# **The Ballpark Bluff**

An Examination into the Impact of Independent and Minor League Baseball Stadiums on Local Economies

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### Abstract

There recently has been much debate over the millions of public funds used to build professional sports stadiums in America. This paper examines whether or not minor and independent league baseball stadiums warrant these subsidies by bringing about positive economic impact in the cities and towns where they are built. This is done by exploring 2012 per capita income figures in 112 cities and towns across America. While small-business prevalence, educational attainment, safety and life expectancy all are found to have a significant impact on per capita income, the presence of a stadium is not. Win percentage, championships, attendance, stadium life and stadium capacity are all tested as well and found not to be statistically significant. Therefore, this study debunks the ballpark bluff: public subsidy money used to build independent and minor league baseball stadiums will likely not result in a significant positive economic impact in the local town or city where it is built.

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### Introduction

There are a couple different paths of life I would someday like to follow. One path is playing for, or operating, some type of professional baseball organization. Another is using my economic knowledge to succeed in a public office. These two areas of interest combine to create a very interesting and practical thesis topic.

There currently is much debate over whether or not small minor league or independent league baseball teams (or professional sports teams in general) bring positive economic impacts to the cities and towns where they reside. One side of the argument is that by bringing in a team by building a stadium, local small businesses surrounding the stadium suffer as a result, due to the fact that consumers substitute out their business (such as going bowling or seeing a movie, etc.) to go watch a ball game instead.

The other side of the argument is that building a stadium and bringing a small professional team to a town or city reenergizes the local economy bringing more consumers to the area looking to spend more money at the small businesses that surround the stadium, along with other intangible benefits. Also, the stadium itself is seen as a job-creating venue, further benefitting the surrounding community.

I aim to explore the debate listed above, and hope to find that the latter is closer to the truth. I will do this by identifying factors that contribute to a high per capita income and then testing to determine if stadium specific variables are significant among them.

Should my research result in my ideal conclusions, I will then have a fact-based argument for someday implementing a professional baseball team in my district should I hold public office. Furthermore, should I have the opportunity to play for or be a part of one of these organizations, I will be able to firmly believe that my efforts go beyond simply the game of baseball, but also contribute to strengthening the local economy, enhancing the community, and making the town or city a better place in which I play.

#### **Literature Review**

Throughout the years there have been conflicting conclusions on how exactly professional stadiums impact local economies and communities, if at all. The best way to sift through this preexisting research seems to be by following a rough chronological outline with exceptions based on very similar studies, which can be grouped together for the sake of organization.

In the late 90's and early 2000's the consensus was basically that economic impact was nonexistent. Ian Hudson examined regional growth in 1999 to see if the "big four" professional sports leagues in America – National Football League (NFL), Major League Baseball (MLB), National Hockey League (NHL) and National Basketball Association (NBA) – had a significant impact on local economies. Hudson's model focused on employment as the dependent variable and actually used growth of total personal income as an independent variable, contrary my model. Wage growth, growth in population between the ages of 18-24 in post-secondary education, growth in tax base, growth in municipal electricity price, and number of professional sports teams made up the other independent variables used in the model that was tested on 17 US cities. Hudson's results lead to the conclusion of professional franchises having no significant positive impact on a city's economy. (Hudson, 1999)

Shortly after, Phillip Miller took the angle of studying construction industry employment to see even if construction of these stadiums boosted output of jobs. He did so by looking into St. Louis construction industry employment, paying special attention to the time periods when the Kiel Center and Trans World Dome were built. (The Kiel Center is now officially Scottrade Center and home of the St. Louis Blues of the NHL, and the Trans World Dome is now Edward Jones Dome, home of the St. Louis Rams of the NFL.) His results concluded that construction employment during these periods were neither higher or lower than usual, meaning construction of these stadiums simply was substituted for construction in other areas that would have occurred regardless. (Miller, 2002)

With no documented economic benefits, the question of why public funds were being used to help fund these stadiums perpetuated. Who was in charge of getting these public subsidies, and moving foreword in bringing stadiums to specific towns and cities? George Sage investigated this, and the

dynamics of power responsible for passing these public subsidies through the voting booths in the early 90's. Politicians, future team executives and businessmen with a particular interest in the venue's success were examined and found to be persuasive in their efforts to produce public support of their initiative to bring an MLB franchise to Denver. (Sage, 1993)

In 2007 Charles Santo also looked into the motives behind using public subsidy money to fund stadiums, and took a specific interest in moving beyond the economic catalyst debate. Instead, he used a contingent valuation survey in an attempt to quantify consumption benefits that would presumably come along with bringing a MLB franchise to Portland, Oregon. This study attempted to discern an aggregate willingness to pay for the benefits of bringing in a team, but ended up highlighting the issue of citizens feeling that public funds could be used for more pressing social concerns than professional sports. In other words, although citizens of Portland would enjoy bringing in a MLB team, the opportunity cost is too high for them to justify doing so. To illustrate this point, 85% of survey respondents indicated that they either somewhat or strongly agree that Portland has more pressing social issues that should be addressed before public money is spent on a sports stadium. The study concluded that consumption benefits alone as a result of a large, mainstream, professional stadium only would likely support a capital investment of approximately \$74 million, which is much smaller than typical stadium subsidies. As a reference, the project in Portland would have needed an estimated \$235 million, which is typical for large stadium construction. Therefore this study further backed the notion that stadium subsidies are dubious investments economically. (Santo, 2007)

Rather than turning to personal, selfish motives of individuals passing this legislation, a turn towards the intangible assets produced by stadiums became the focus of attention later in the 2000's.

In 2010 Steve Michael examined the intangible benefits produced by stadium construction – such as promoting economic objectives of the community, enhancing the community's image, and improving recreational infrastructure of the community – by conducting a large-scale analysis and critique of previous studies into stadium construction. Although he also concluded that direct and indirect benefits would likely not match the overall construction costs for a community, he did admit that there were great

potential benefits for a community if financing the stadium was left independent from public funds. However, direct revenues alone from the stadium, he concluded, will likely not equate to the stadium's operating costs, so it will be difficult to attract a willing investor for the large, unpromising financial commitment. (Michael, 2010)

It was not until 2013 that Nola Agha found significant positive effects on local per capita income by measuring pecuniary gains in 238 Metropolitan Statistical Areas with minor league teams between 1985 and 2006. Her results were surprising because they contradicted non-positive results from a decade of studies at the major league level. She found significant positive effects for AAA, AA, A and Rookie minor league teams on the per capita incomes of their metropolitan statistical areas, but non-positive effects for independent league teams. What she concluded is that there must be fundamental differences in the structure of these minor league programs, making them a greater asset to the per capita income growth of their communities. Therefore further analysis into their distinctive qualities (as opposed to major league or independent league teams) could potentially reveal important alterations in major league operations that could greatly improve the economic well-being of cities where these teams reside. (Agha, 2013)

To attempt to gauge some of these differences, and therefore predict some of these alterations, I then looked into a series of studies in 2010 and 2012 that delved into why certain stadiums brought economic success and why others failed. In 2010, Ahlfeldt and Maennig focused on the architectural quality of stadiums themselves, leading to the conclusion that individual stadiums and their quality, directly play into potential impact. Stadiums of high architectural quality that served as "visiting cards" for hometowns were found to be most successful in supporting area rehabilitation. (Ahlfeldt and Maennig, 2010) However, many major league stadiums do just this, so it does\_not explain the discrepancy in Agha's results as opposed to all previous results based on major league organizations.

In 2012, Buckman and Mack focused on location specific stadium success, finding that urban form greatly impacted the success of stadium projects when aspects of the stadium were directly tailored to fit this urban form. Here, economic impacts were realized where traditional "one-size-fits-all"

approaches had failed to produce similar results. (Buckman and Mack, 2012) However, once again, this really does\_not set major league and minor league stadiums apart, as both types are consistently found in all different genres of urban form across the country.

No study has been found to explain Agha's results for minor league stadiums having a significant positive impact on local economies when major leagues stadiums have not been found to do so in the past. My study will look at the most recent data available for minor league and independent league stadiums to see if Agha's trend continues. I will narrow my focus from metropolitan statistical areas to individual towns and cities to try and explore a more intimate connection. If the statistically significant positive results carry through, I will then be prompted to find out why exactly they do\_not apply for major league stadiums. If these positive results do\_not carry through, I will have a study that backs a decades worth of results at the major league level, and contradicts Agha's most recent results indicating that minor league stadiums do in fact bring about higher per capita income in the cities and towns where they reside.

#### **Theoretical Model**

In order to test whether or not stadiums have a significant impact on per capita income, it is first necessary to create a model that adequately covers factors that contribute to per capita income in other settings. In studying less developed countries, literature identifies five major factors that contribute most to growth and development: quality of and access to education, health of citizens, efficiency of government, amount of crime, and extent of business activity. (Perkins, 2013) To relate these factors to individual cities and towns instead of developing countries, available variables will have to be identified and collected that represent these factors.

Once these factors are accounted for, the stadium variable can then be tested in unison with them against per capita income to see if its coefficient is positive and statistically significant. If so, the model would produce a fact-based backing of public subsidies for small professional baseball stadiums by finding them to be positive impacts on per capita income and worth the investment by local communities.

The theoretical model is:

Per Capita Income =  $\beta_o + \beta_1(Education) + \beta_2(Health) + \beta_3(Government) - \beta_4(Crime) + \beta_5(Small Business) + \beta_6(Stadium)_{\pm}$ 

### for all $\beta > 0$ .

The statistic indicating a more educated population is expected to have a positive impact on per capita income because this would lead to a more informed, intelligent, and innovative society, producing more output and therefore income. A healthier population is expected to have a positive relationship with per capita income because a healthier workforce will likely produce more goods and services, i.e., have higher productivity. A more efficient government is expected to have a positive relationship with per capita income because aid and public funds will likely be used in the most beneficial ways to progress the community. A greater extent of small businesses is expected to have a positive relationship with per capita income because these businesses employ the majority of the population (Nazar, 2013) and act as a

backbone of dependable individuals who will reinvest in the economy. A high crime statistic is expected to have a negative relationship with per capita income because individuals involved with committing crimes are not often reinvesting themselves or their earnings into the local economy, but instead detracting from it. Fighting crime takes resources away from positive endeavors. The dummy variable indicating the presence of a stadium is expected to have a positive relationship with per capita income because the stadium is expected to be a job-creating and consumer-attracting venue, spurring more economic activity in the area.

#### Data

Because the model is focused on cities and towns, and in-depth statistics of these smaller populations are less often recorded and readily available, different years are used for different statistics. Therefore this study is made up of cross-section data from years all within the same general timeframe.

The data collection phase began first with compiling a list of cities. Brian Merzbach, an independent league and minor league baseball stadium enthusiast, spent the better half of the last twenty years researching and developing a comprehensive list of independent and minor league stadiums. By visiting them, grading them and assorting them by year opened, his records kept on BallparkReviews.com proved to be the most helpful source of information on the subject and served as the initial guideline for stadiums to be used in the study. The validity of his records was later checked via a host of different websites.

Every minor league and independent league stadium built in the years between 2001 and 2009 was compiled into one document, and their home cities were verified. Once established, the 2012 populations of each of these cities were obtained and recorded via City-Data.com, a site that collects and analyzes data from numerous sources to create detailed, informative profiles of every city in the United States. This site was probably the most useful source of information throughout all of data collection.

After collecting the populations of these stadium cities, the control cities were chosen. To do so, each stadium city was examined individually, and the town with the closest population to that stadium city in the same state was chosen and recorded.

There were 56 independent and minor league stadiums built between 2001 and 2009. Therefore these 56 stadium cities were used, with another 56 control cities added on, creating a sample size of 112 cities.

The independent variable, 2012 per capita income, was then collected for each city via City-Data.com. The statistics listed on the cite were then thoroughly examined, and variables to represent education, small business and local government were decided upon, as follows. The percentage of the population with less than a high school diploma in 2009 was chosen to represent access to and quality of education. This variable is expected to reverse in its relationship with per capita income, as less educated citizens would assumingly bring about a less innovative and productive society. The ability of the variable to capture both quality and access to education makes it the best choice.

The number of self-employed individuals in their own incorporated business in 2009 was chosen to represent the amount and extent of small businesses within a city or town. Since small business prevalence is given by City-Data.com as a number of individuals within that city, it is taken as a percentage of the population of that city to create a comparable statistic. A larger number of small businesses is expected to correspond with a higher per capita income because of the additional jobs these businesses create and the willingness of these individuals to reinvest in their local economy.

The number of local government employees is used to represent size and efficiency of local government. Although efficiency is not measured, it is the closest statistic available to attempt to cover the general idea. Once again, because City-Data.com listed the statistic as number of individuals, it is taken as a percentage of that city's population. A larger local government is assumed to have a greater reach and access to resources necessary to be efficient and positively impact per capita income. This could effect local expenditure multipliers as well. However, a number that is too large for a small area could bring up issues of inefficiency.

The crime variable was found through NeighborhoodScout.com, a website covered by *US News* & *World Report, The New York Times, The Huffington Post, CNN, Bloomburg Business Week, The Wall Street Journal, CNN Money, Time* and *CBS Market Watch.* ("Enterprise-grade data for every neighborhood and city in the U.S.," 2015) NeighborhoodScout.com lists a crime index for each city, based on the seven Uniform Crime Reporting (UCR) crimes tracked by the Federal Bureau of Investigation (homicide, forcible rape, armed robbery, aggravated assault, burglary, larceny, and motor vehicle theft) per 1,000 people. The scale ranges from 0-100, where 100 is the safest and a 40% would mean the selected city is safer than 40% of the cities in America. Since this is more of a safety rating, as a

higher number indicates a safer community, a positive relationship is expected with per capita income, contrary to the theoretical model crime statistic.

The statistic to represent health of citizens was probably the most difficult to find and decide on. Life expectancy of males at birth was chosen because life expectancy of just the population in general was not available at the local level. The statistic used is actually only available via county through the U.S. Health Map offered by HealthData.org, the Institute for Health Metrics and Evaluation. Therefore to compile this statistic, the county of each city or town had to be identified and the corresponding age was recorded. A higher life expectancy would presumably infer a higher standard of health of citizens, and therefore more production and a higher per capita income.

To examine if the presence of an independent or minor league stadium itself impacted local per capita income, a dummy variable was used. Two additional contingent variables were used to delve deeper into the differences between different stadiums themselves as well. Stadium life was accounted for as a variable denoting the number of years the stadium has been in existence up until 2012. This variable was aimed at giving an annual estimated value of that stadium in terms of contribution to per capita income. Stadium capacity was also added in as a variable to determine if maybe size of the stadium helps determine its efficiency in achieving economic impact.

Four additional variables were included to account for the quality of the team playing in each stadium, to try and see if this impacts the success of a stadium in bringing about economic impact. The level of the team playing in the stadium ranging from 0 to 4, with 0 being no professional team, 1 being independent league (not affiliated with Major League Baseball), 2 being "A" ball (lowest ranking level of affiliated Minor League Baseball), 3 being "AA" ball, and 4 being "AAA" ball (one notch below the big leagues) was included. The assumption was that this variable would have a positive coefficient, meaning as the team got closer to the big leagues, it would generate a greater fan base and bring about more economic impact.

Win Percentage for each team in the year 2012 was collected through Baseball-Reference.com, along with all of the team related statistics. This variable was used to see if the quality of team made a

significant difference in impacting how well the stadium spurs economic activity. If the team is winning consistently, fans may be more likely to go to games and spend money in the local economy.

A dummy variable indicating whether or not the team won a league or division championship in 2012 was also included for a similar reason as win percentage. Maybe the team did<u>not</u> win a ton of games during the regular season, but a late post-season run could excite fans and foster economic activity within the community.

The final variable included captured the total attendance of fans at home games throughout the 2012 season. This variable was expected to have a positive coefficient because a higher attendance would mean more economic activity, leading to a higher per capita income.

Therefore the actual model to be estimated is listed below.

 $\begin{aligned} & Per \ Capita \ Income = \beta_o + \beta_1(Local \ Government \ Size) + \beta_2(Small-business \ prevalence) - \beta_3(Less \ than \ HS \\ & Education) + \beta_4(Safety \ Rating) + \beta_5(Life \ Expectancy) + \beta_6(Stadium) + \beta_7(Stadium \ Life) + \beta_8(Stadium \ Capacity) + \beta_9(Level \ of \ Team) + \beta_{10}(Win \ Percentage \ of \ Team) + \beta_{11}(Championship) \\ & + \beta_{12}(Attendance \ of \ Fans) + \varepsilon, \end{aligned}$ 

for  $\beta > 0$ , and  $\varepsilon$  assumed random normal.

#### Econometric Results and Interpretation

The full regression failed to produce statistically significant results for any stadium-related or team-related variable. The model overall was found to be significant at the 5% level with an F-value of 20.93 and a P-value of <.0001. The R-Square value was impressive at .7173, meaning the independent variables explain about 71% of the variability in per capita income. Of the twelve variables, four were statistically significant at either the 10%, 5% or 1% level: small business prevalence, life expectancy, educational attainment and safety. Local government size was the only non-stadium related variable to be found insignificant, which was not unexpected. The number of workers in local government does not adequately cover efficiency, only size. Covering efficiency was seemingly impossible with the data available. (Table 1 in Appendix goes about here.)

Because none of the stadium variables were significant, I tested the model with only general independent variables to see how different the results were. This regression produced very similar results, with all the stadium and team specific variables only accounting for a .0028 difference in R<sup>2</sup>. (Table 2 goes about here.)

Given the cross-section nature of my data, I then tested for heteroskedasticity using the Breusch-Pagan Test. In doing so I found heteroskedasticity to be present in my model, with the F-value of this regression being 3.03, significant at the 1% level. (Table 3 goes about here.)

I therefore corrected for heteroskedasticity using feasible generalized least squares (FGLS) and Wooldridge's Suggestion to obtain robust estimators. This brought about a model with a 438.9 F-value, significant at the 1% level. My new R-squared was impressive at .9815 and small-business prevalence, educational attainment, safety, and life expectancy were all found to be significant at the 1% level. The beta of small-business prevalence was large and positive as expected, meaning that more individuals in their own incorporated business significantly positively impacts local per capita income. The beta of educational attainment, specifically the percentage of the population with less than a high school diploma, was negative as expected, meaning less educated workers brings about less innovation and efficiency, along with lower paying jobs. The beta of the safety index variable was positive as expected, meaning

cities with less crime generally consist of more productive and economically active citizens, while wasting fewer resources fighting crime. The final significant beta, for life expectancy, was also positive as expected, meaning that healthier citizens are likely more productive and efficient at work thus bringing about greater economic activity. (Table 4 goes about here.)

### **Conclusion and Suggestion for Further Study**

This paper has proved that there is no statistical evidence backing the claim that independent and minor league stadiums spur local economic activity and contribute to a higher per capita income in individual cities and towns for stadiums built between the years 2001 and 2009. Although these are\_not the desired results, they are the facts and therefore have implications of their own.

If the goal of a city is spur economic activity and increase per capita income, using public subsidy money to build a stadium and bring in an independent or minor league baseball team is a misguided decision. By use of this model, this subsidy money would be much better utilized by funding schools, small businesses, hospitals or police forces. However, if spurring economic activity is only a secondary goal of the city, with the primary goal being a face-lift in the community's image, or an influx of role models for youth of the community, or an effort to create unity and cohesion within the community, building a professional ballpark is not a misguided decision, especially if there is an influx of private money to do so. Although this study did\_not prove that there are statistically significant economic benefits of building a stadium, it did show that there are\_not statistically significant losses either. If citizens are willing to allow their taxes to be used for stadium subsidies, and the town is implementing a stadium for reasons other than strictly economic, the practice is still encouraged. Yet, through this model, if the town's goal is spurring economic activity, this subsidy money should be used to supplement small business development, educational attainment of citizens, safety of citizens, or health of citizens, because these are the areas where per capita income is truly impacted.

In terms of further exploring this topic, it still has yet to be uncovered what factors exactly play into the economic success of a small professional baseball stadium, such as those from Agha's study. My next objective would be really delving into the success stories of such stadiums on an individualized basis and finding out what differentiates them from the rest, allowing them to become such radiant factors contributing to the economic wellbeing of their surrounding communities.

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Appendix

# Table 1

| SAS Results 1    |                  |         |                              |
|------------------|------------------|---------|------------------------------|
| Dependent Var    | iable: PerCapInc |         |                              |
| Number of Ob     | servations Read  | 112     |                              |
| Number of Ob     | servations Used  | 112     |                              |
| F Value          | 20.93            |         |                              |
| <b>Pr &gt; F</b> | <.0001           |         |                              |
| <b>R-Square</b>  | 0.7173           |         |                              |
| Adj R-Sq         | 0.683            |         |                              |
| Variable         | Parameter Est.   | t Value | $\mathbf{Pr} >  \mathbf{t} $ |
| Intercept        | -51450           | -2.86   | 0.0052                       |
| LocalGov         | -196.24247       | -0.4    | 0.6933                       |
| SmallBus         | 6001.28808       | 8.35    | <.0001                       |
| Edu              | -342.79851       | -5.34   | <.0001                       |
| Safety           | 55.11744         | 1.94    | 0.0551                       |
| LifeExpect       | 979.12172        | 4.13    | <.0001                       |
| StadPres         | 1209.25986       | 0.39    | 0.6991                       |
| StadLife         | -43.62779        | -0.14   | 0.8905                       |
| StadCapacity     | -0.02903         | -0.37   | 0.7137                       |
| Level            | 246.05372        | 0.21    | 0.8331                       |
| Attendance       | -0.00003712      | 0       | 0.9961                       |
| Win              | -3435.77671      | -0.78   | 0.4359                       |
| Champ            | 1168.75822       | 0.6     | 0.5491                       |

# Table 2

| SAS Results 2    | -                 |         |                              |
|------------------|-------------------|---------|------------------------------|
|                  | riable: PerCapInc |         |                              |
| Number of O      | bservations Read  | 112     |                              |
| Number of O      | bservations Used  | 112     |                              |
| F Value          | 53.05             |         |                              |
| <b>Pr &gt; F</b> | <.0001            |         |                              |
| <b>R-Square</b>  | 0.7145            |         |                              |
| Adj R-Sq         | 0.701             |         |                              |
| Variable         | Parameter Est.    | t Value | $\mathbf{Pr} >  \mathbf{t} $ |
| Intercept        | -50885            | -2.96   | 0.0038                       |
| LocalGov         | -254.08817        | -0.54   | 0.5895                       |
| SmallBus         | 5952.80619        | 8.73    | <.0001                       |
| Edu              | -345.74067        | -5.77   | <.0001                       |
| Safety           | 57.31789          | 2.14    | 0.0345                       |
| LifeExpect       | 973.42689         | 4.31    | <.0001                       |

Table 3

| SAS Result           | ts 3                        |     |  |  |  |  |  |
|----------------------|-----------------------------|-----|--|--|--|--|--|
| Dependent            |                             |     |  |  |  |  |  |
| Number of            | Number of Observations Read |     |  |  |  |  |  |
| Number of            | Observations Used           | 112 |  |  |  |  |  |
| F Value              | 3.03                        |     |  |  |  |  |  |
| <b>Pr</b> > <b>F</b> | 0.0012                      |     |  |  |  |  |  |

### Table 4

| Dependent Variable: PerCapInc |                  |                 |                              |  |  |  |  |  |  |  |
|-------------------------------|------------------|-----------------|------------------------------|--|--|--|--|--|--|--|
| Number of Ob                  | oservations Read | 112             |                              |  |  |  |  |  |  |  |
| Number of Ob                  | oservations Used | 112             |                              |  |  |  |  |  |  |  |
| F Value                       | 438.9            | <b>R-Square</b> | 0.9815                       |  |  |  |  |  |  |  |
| <b>Pr</b> > <b>F</b>          | <.0001           | Adj R-Sq        | 0.9793                       |  |  |  |  |  |  |  |
| Variable                      | Parameter Est.   | t Value         | $\mathbf{Pr} >  \mathbf{t} $ |  |  |  |  |  |  |  |
| Intercept                     | 0.00014405       | 0.36            | 0.719                        |  |  |  |  |  |  |  |
| fLocalGov                     | -181.89621       | -0.43           | 0.6647                       |  |  |  |  |  |  |  |
| fSmallBus                     | 5769.62561       | 7.29            | <.0001                       |  |  |  |  |  |  |  |
| fEdu                          | -262.28012       | -4.76           | <.0001                       |  |  |  |  |  |  |  |
| fSafety                       | 90.06038         | 3.32            | 0.0012                       |  |  |  |  |  |  |  |
| fLifeExpect                   | 264.73772        | 8.59            | <.0001                       |  |  |  |  |  |  |  |
| StadPres                      | 0.00078742       | 0.65            | 0.5187                       |  |  |  |  |  |  |  |
| StadLife                      | -0.00005422      | -0.43           | 0.668                        |  |  |  |  |  |  |  |
| StadCapacity                  | 1.02E-07         | 1.58            | 0.1175                       |  |  |  |  |  |  |  |
| Level                         | 0.00035719       | 0.77            | 0.4428                       |  |  |  |  |  |  |  |
| Attendance                    | -2.72E-09        | -0.88           | 0.3804                       |  |  |  |  |  |  |  |
| Win                           | -0.00196         | -1.14           | 0.2558                       |  |  |  |  |  |  |  |
| Champ                         | 0.00011005       | 0.14            | 0.8861                       |  |  |  |  |  |  |  |

# Full SAS Results

| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SAS Results 1     |            |                 |            |         |             |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|-----------------|------------|---------|-------------|--|--|--|--|--|--|--|
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The SAS System    |            |                 |            |         |             |  |  |  |  |  |  |  |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The REG Procedure |            |                 |            |         |             |  |  |  |  |  |  |  |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |            |                 |            |         |             |  |  |  |  |  |  |  |
| Number of Observations Read112Number of Observations Used112Analysis of<br>Variance112SourceDFSum of<br>SquaresSquareModel12511799229242649935820.93Error99201729379120376705Corrected Total1117135286083Root MSE4514.05638R-Square0.7173Dependent Mean24636<br>18.32306Adj R-Sq0.683Parameter EstimatesVariableDFParameter<br>EstimateStandardt ValuePr >  t Intercept1-5145017986-2.860.0052LocalGov1-196.24247496.14858-0.40.6933SmallBus16001.28808718.34538.35<.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | PerCanInc  |                 |            |         |             |  |  |  |  |  |  |  |
| Number of Observations Used112Analysis of<br>VarianceDFSum of<br>SquaresMean<br>SquareF Value $Pr > F$ SourceDFSum of<br>SquaresSquareSquare $2093$ <.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                 | -          | 112             |            |         |             |  |  |  |  |  |  |  |
| Analysis of<br>VarianceDFSum of<br>SquaresMeanF ValuePr > FSourceDFSum of<br>SquaresSquareSquare $20.93$ <.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |            |                 |            |         |             |  |  |  |  |  |  |  |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |            | 112             |            |         |             |  |  |  |  |  |  |  |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Analysis of       |            |                 |            |         |             |  |  |  |  |  |  |  |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                 |            |                 |            |         |             |  |  |  |  |  |  |  |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Source            | DF         | Sum of          | Mean       | F Value | Pr > F      |  |  |  |  |  |  |  |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |            | Squares         | Square     |         |             |  |  |  |  |  |  |  |
| $\begin{array}{c cccc} Corrected Total & 111 & 7135286083 \\ \hline Root MSE & 4514.05638 & R-Square & 0.7173 \\ Dependent Mean & 24636 & Adj R-Sq & 0.683 \\ \hline Coeff Var & 18.32306 & & & & & & \\ \hline Parameter Estimates & & & & & & \\ Variable & DF & Parameter & Standard & t Value & Pr >  t  \\ \hline Intercept & 1 & -51450 & 17986 & -2.86 & 0.0052 \\ LocalGov & 1 & -196.24247 & 496.14858 & -0.4 & 0.6933 \\ SmallBus & 1 & 6001.28808 & 718.3453 & 8.35 & <.0001 \\ Edu & 1 & -342.79851 & 64.19808 & -5.34 & <.0001 \\ Safety & 1 & 55.11744 & 28.39273 & 1.94 & 0.0551 \\ LifeExpect & 1 & 979.12172 & 236.9741 & 4.13 & <.0001 \\ StadPres & 1 & 1209.25986 & 3118.91019 & 0.39 & 0.6991 \\ StadLife & 1 & -43.62779 & 316.06699 & -0.14 & 0.8905 \\ StadCapacity & 1 & 246.05372 & 1164.45233 & 0.21 & 0.8331 \\ Attendance & 1 & -0.02003 & 0.07889 & -0.37 & 0.7137 \\ Level & 1 & 246.05372 & 1164.45233 & 0.21 & 0.8331 \\ \end{array}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Model             | 12         | -               | -          | 20.93   | <.0001      |  |  |  |  |  |  |  |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Error             | 99         | 2017293791      | 20376705   |         |             |  |  |  |  |  |  |  |
| $ \begin{array}{c cccc} Dependent Mean \\ Coeff Var & 18.32306 \\ \end{array} \begin{array}{c} Adj R-Sq \\ Adj R-Sq \\ 0.683 \\ \end{array} \begin{array}{c} 0.683 \\ \end{array} \\ \end{array} \\ \begin{array}{c} Parameter Estimates \\ Variable & DF \\ Estimate \\ Error \\ \end{array} \\ \begin{array}{c} Parameter \\ Estimate \\ \end{array} \\ \begin{array}{c} Error \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ \end{array} \\ \begin{array}{c} Estimate \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ Error \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Parameter \\ Standard \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} P$ | Corrected Total   | 111        | 7135286083      |            |         |             |  |  |  |  |  |  |  |
| $ \begin{array}{c cccc} Dependent Mean \\ Coeff Var & 18.32306 \\ \end{array} \begin{array}{c} Adj R-Sq \\ Adj R-Sq \\ 0.683 \\ \end{array} \begin{array}{c} 0.683 \\ \end{array} \\ \end{array} \\ \begin{array}{c} Parameter Estimates \\ Variable & DF \\ Estimate \\ Error \\ \end{array} \\ \begin{array}{c} Parameter \\ Estimate \\ \end{array} \\ \begin{array}{c} Error \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ \end{array} \\ \begin{array}{c} Estimate \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ Error \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Estimate \\ Fror \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} DF \\ Parameter \\ Parameter \\ Standard \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ Variable \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Parameter \\ \end{array} \\ \begin{array}{c} Variable \\ \end{array} \\ \begin{array}{c} P$ |                   |            |                 |            |         |             |  |  |  |  |  |  |  |
| Coeff Var18.32306Parameter EstimatesDFParameter<br>EstimateStandard<br>Errort Value $Pr >  t $ Intercept1-5145017986-2.860.0052LocalGov1-196.24247496.14858-0.40.6933SmallBus16001.28808718.34538.35<.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Root MSE          | 4514.05638 | R-Square        | 0.7173     |         |             |  |  |  |  |  |  |  |
| Parameter EstimatesDFParameter<br>EstimateStandard<br>Errort<br>Value $Pr >  t $<br>$Pr >  t $ Intercept1-5145017986-2.860.0052LocalGov1-196.24247496.14858-0.40.6933SmallBus16001.28808718.34538.35<.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Dependent Mean    | 24636      | Adj R-Sq        | 0.683      |         |             |  |  |  |  |  |  |  |
| VariableDFParameter<br>EstimateStandard<br>Errort Value $Pr >  t $ Intercept1-5145017986-2.860.0052LocalGov1-196.24247496.14858-0.40.6933SmallBus16001.28808718.34538.35<.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Coeff Var         | 18.32306   |                 |            |         |             |  |  |  |  |  |  |  |
| VariableDFParameter<br>EstimateStandard<br>Errort Value $Pr >  t $ Intercept1-5145017986-2.860.0052LocalGov1-196.24247496.14858-0.40.6933SmallBus16001.28808718.34538.35<.0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |            |                 |            |         |             |  |  |  |  |  |  |  |
| EstimateErrorIntercept1 $-51450$ $17986$ $-2.86$ $0.0052$ LocalGov1 $-196.24247$ $496.14858$ $-0.4$ $0.6933$ SmallBus1 $6001.28808$ $718.3453$ $8.35$ $<.0001$ Edu1 $-342.79851$ $64.19808$ $-5.34$ $<.0001$ Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |            |                 |            |         |             |  |  |  |  |  |  |  |
| Intercept1 $-51450$ $17986$ $-2.86$ $0.0052$ LocalGov1 $-196.24247$ $496.14858$ $-0.4$ $0.6933$ SmallBus1 $6001.28808$ $718.3453$ $8.35$ $<.0001$ Edu1 $-342.79851$ $64.19808$ $-5.34$ $<.0001$ Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Variable          | DF         |                 |            | t Value | $\Pr >  t $ |  |  |  |  |  |  |  |
| LocalGov1 $-196.24247$ $496.14858$ $-0.4$ $0.6933$ SmallBus1 $6001.28808$ $718.3453$ $8.35$ $<.0001$ Edu1 $-342.79851$ $64.19808$ $-5.34$ $<.0001$ Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.000003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |            |                 | Error      |         |             |  |  |  |  |  |  |  |
| SmallBus1 $6001.28808$ $718.3453$ $8.35$ $<.0001$ Edu1 $-342.79851$ $64.19808$ $-5.34$ $<.0001$ Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                 | 1          | -51450          | 17986      | -2.86   | 0.0052      |  |  |  |  |  |  |  |
| Edu1 $-342.79851$ $64.19808$ $-5.34$ $<.0001$ Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   | 1          |                 | 496.14858  |         | 0.6933      |  |  |  |  |  |  |  |
| Safety1 $55.11744$ $28.39273$ $1.94$ $0.0551$ LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SmallBus          | 1          | 6001.28808      | 718.3453   | 8.35    | <.0001      |  |  |  |  |  |  |  |
| LifeExpect1 $979.12172$ $236.9741$ $4.13$ $<.0001$ StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ 0 $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Edu               | 1          | -342.79851      | 64.19808   | -5.34   | <.0001      |  |  |  |  |  |  |  |
| StadPres1 $1209.25986$ $3118.91019$ $0.39$ $0.6991$ StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ 0 $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Safety            | 1          | 55.11744        | 28.39273   | 1.94    | 0.0551      |  |  |  |  |  |  |  |
| StadLife1 $-43.62779$ $316.06699$ $-0.14$ $0.8905$ StadCapacity1 $-0.02903$ $0.07889$ $-0.37$ $0.7137$ Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $-0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $-3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LifeExpect        | 1          | 979.12172       | 236.9741   | 4.13    | <.0001      |  |  |  |  |  |  |  |
| StadCapacity1-0.02903 $0.07889$ -0.37 $0.7137$ Level1246.053721164.45233 $0.21$ $0.8331$ Attendance1- $0.00003712$ $0.00766$ $0$ $0.9961$ Win1- $3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | StadPres          | 1          | 1209.25986      | 3118.91019 | 0.39    | 0.6991      |  |  |  |  |  |  |  |
| Level1 $246.05372$ $1164.45233$ $0.21$ $0.8331$ Attendance1 $ 0.00003712$ $0.00766$ $0$ $0.9961$ Win1 $ 3435.77671$ $4392.27083$ $-0.78$ $0.4359$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | StadLife          | 1          | -43.62779       | 316.06699  | -0.14   | 0.8905      |  |  |  |  |  |  |  |
| Attendance1 $-$<br>0.000037120.0076600.9961Win1 $-$<br>3435.776714392.27083-0.780.4359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | StadCapacity      | 1          | -0.02903        | 0.07889    | -0.37   | 0.7137      |  |  |  |  |  |  |  |
| Win 1 $\frac{0.00003712}{3435.77671}$ 4392.27083 -0.78 0.4359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Level             | 1          | 246.05372       | 1164.45233 | 0.21    | 0.8331      |  |  |  |  |  |  |  |
| Win 1 - 4392.27083 -0.78 0.4359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Attendance        | 1          | -               | 0.00766    | 0       | 0.9961      |  |  |  |  |  |  |  |
| 3435.77671                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |            | 0.00003/12      |            |         |             |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Win               | 1          | -<br>3435 77671 | 4392.27083 | -0.78   | 0.4359      |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Champ             | 1          |                 | 1944.27212 | 0.6     | 0.5491      |  |  |  |  |  |  |  |

| The SAS System                |                                                      |            |            |         |         |  |  |  |  |  |  |
|-------------------------------|------------------------------------------------------|------------|------------|---------|---------|--|--|--|--|--|--|
| The REG Procedure             |                                                      |            |            |         |         |  |  |  |  |  |  |
| Model: MODEL1                 |                                                      |            |            |         |         |  |  |  |  |  |  |
| Dependent Variable: PerCapInc |                                                      |            |            |         |         |  |  |  |  |  |  |
| Number of Observation         | -                                                    | 112        |            |         |         |  |  |  |  |  |  |
| Number of Observation         |                                                      | 112        |            |         |         |  |  |  |  |  |  |
|                               | JIIS USEU                                            | 112        |            |         |         |  |  |  |  |  |  |
| Analysis of                   |                                                      |            |            |         |         |  |  |  |  |  |  |
| Variance                      |                                                      |            |            |         |         |  |  |  |  |  |  |
| Source                        | DF                                                   | Sum of     | Mean       | F Value | Pr > F  |  |  |  |  |  |  |
|                               |                                                      | Squares    | Square     |         |         |  |  |  |  |  |  |
| Model                         | 5                                                    | 5098105522 | 1019621104 | 53.05   | <.0001  |  |  |  |  |  |  |
| Error                         | 106                                                  | 2037180562 | 19218685   |         |         |  |  |  |  |  |  |
| Corrected Total               | 111                                                  | 7135286083 |            |         |         |  |  |  |  |  |  |
|                               |                                                      |            |            |         |         |  |  |  |  |  |  |
| Root MSE                      | 4383.91201                                           | R-Square   | 0.7145     |         |         |  |  |  |  |  |  |
| Dependent Mean                | 24636                                                | Adj R-Sq   | 0.701      |         |         |  |  |  |  |  |  |
| Coeff Var                     | 17.79479                                             |            |            |         |         |  |  |  |  |  |  |
|                               |                                                      |            |            |         |         |  |  |  |  |  |  |
| Parameter Estimates           |                                                      |            |            |         |         |  |  |  |  |  |  |
| Variable                      | DF                                                   | Parameter  | Standard   | t Value | Pr >  t |  |  |  |  |  |  |
|                               |                                                      | Estimate   | Error      |         |         |  |  |  |  |  |  |
| Intercept                     | 1                                                    | -50885     | 17188      | -2.96   | 0.0038  |  |  |  |  |  |  |
| LocalGov                      | 1                                                    | -254.08817 | 469.43605  | -0.54   | 0.5895  |  |  |  |  |  |  |
| SmallBus                      | 1                                                    | 5952.80619 | 681.51921  | 8.73    | <.0001  |  |  |  |  |  |  |
| Edu                           | 1                                                    | -345.74067 | 59.87281   | -5.77   | <.0001  |  |  |  |  |  |  |
| Safety                        | 1                                                    | 57.31789   | 26.7634    | 2.14    | 0.0345  |  |  |  |  |  |  |
| LifeExpect                    | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |            |            |         |         |  |  |  |  |  |  |

| The SAS System                                         |             |                   |                |         |        |
|--------------------------------------------------------|-------------|-------------------|----------------|---------|--------|
| The REG Procedur<br>Model: MODEL1<br>Dependent Variabl |             |                   |                |         |        |
| Number of Observ                                       | ations Read | 112               |                |         |        |
| Number of Observ                                       | ations Used | 112               |                |         |        |
| Analysis of<br>Variance                                |             |                   |                |         |        |
| Source                                                 | DF          | Sum of<br>Squares | Mean<br>Square | F Value | Pr > F |
| Model                                                  | 12          | 3.69E+16          | 3.08E+15       | 3.03    | 0.0012 |
| Error                                                  | 99          | 1.01E+17          | 1.02E+15       |         |        |
| Corrected Total                                        | 111         | 1.38E+17          |                |         |        |

| The SAS System      |            |                 |            |         |             |
|---------------------|------------|-----------------|------------|---------|-------------|
| The REG Procedure   |            |                 |            |         |             |
| Model: MODEL1       |            |                 |            |         |             |
| Dependent Variable: | fPerCapInc |                 |            |         |             |
| Number of Observati | -          | 112             |            |         |             |
| Number of Observati | ons Used   | 112             |            |         |             |
| Analysis of         |            |                 |            |         |             |
| Variance            |            |                 |            |         |             |
| Source              | DF         | Sum of          | Mean       | F Value | Pr > F      |
|                     |            | Squares         | Square     |         |             |
| Model               | 12         | 0.01665         | 0.00139    | 438.9   | <.0001      |
| Error               | 99         | 0.00031306      | 0.00000316 |         |             |
| Corrected Total     | 111        | 0.01697         |            |         |             |
| Root MSE            | 0.00178    | R-Square        | 0.9815     |         |             |
| Dependent Mean      | 0.01032    | Adj R-Sq        | 0.9793     |         |             |
| Coeff Var           | 17.22314   |                 |            |         |             |
| Parameter Estimates |            |                 |            |         |             |
| Variable            | DF         | Parameter       | Standard   | t Value | $\Pr >  t $ |
|                     |            | Estimate        | Error      |         |             |
| Intercept           | 1          | 0.00014405      | 0.00039921 | 0.36    | 0.719       |
| fLocalGov           | 1          | -181.89621      | 418.35838  | -0.43   | 0.6647      |
| fSmallBus           | 1          | 5769.62561      | 791.54979  | 7.29    | <.0001      |
| fEdu                | 1          | -262.28012      | 55.09086   | -4.76   | <.0001      |
| fSafety             | 1          | 90.06038        | 27.1034    | 3.32    | 0.0012      |
| fLifeExpect         | 1          | 264.73772       | 30.83465   | 8.59    | <.0001      |
| StadPres            | 1          | 0.00078742      | 0.00122    | 0.65    | 0.5187      |
| StadLife            | 1          | -<br>0.00005422 | 0.00012604 | -0.43   | 0.668       |
| StadCapacity        | 1          | 1.02E-07        | 6.45E-08   | 1.58    | 0.1175      |
| Level               | 1          | 0.00035719      | 0.00046353 | 0.77    | 0.4428      |
| Attendance          | 1          | -2.72E-09       | 3.09E-09   | -0.88   | 0.3804      |
| Win                 | 1          | -0.00196        | 0.00172    | -1.14   | 0.2558      |
| Champ               | 1          | 0.00011005      | 0.00076647 | 0.14    | 0.8861      |

# Data Set

| Duiu St                                                                                                         |                                                                                                                    | -                       |         |                                 |                                      | -                               |                     | -         | -                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|---------|---------------------------------|--------------------------------------|---------------------------------|---------------------|-----------|---------------------------------|--------------------------------------|---------------------------------|---------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|----------------------------------------------|
| City/Town                                                                                                       | State                                                                                                              | Stadium Name            | Year    | Stad                            | Life                                 | Capacity                        | Team Name I         | Level     | Level                           | Attendance                           | Win %                           | Champi                          | Per Capi                                           | Population                                                              |                                                              |                                                      | Educational                                         |                                           |                                              |
| Camden                                                                                                          | New Jersey                                                                                                         | Campbell's Field        | 2001    | 1                               | 11                                   | 6425                            | Camden Riversh      | Ind       | 1                               | 231987                               | 0.45                            | 0                               | 13002                                              | 77250                                                                   | 2.64                                                         | 0.24                                                 | 30.6                                                | 3                                         | 75                                           |
| Edinburg                                                                                                        | Texas                                                                                                              | Edinburg Stadium        | 2001    | 1                               | 11                                   | 4000                            | Edinburg Roadril    | Ind       | 1                               | 86947                                | 0.63                            | 1                               | 18424                                              | 81029                                                                   | 2.38                                                         | 0.68                                                 | 20                                                  | 5                                         | 78                                           |
| Lakewood                                                                                                        | New Jersey                                                                                                         | FirstEnergy Park        | 2001    |                                 | 11                                   | 8000                            | Lakewood Blue(      |           | 2                               | 410113                               |                                 | 0                               | 11421                                              | 53805                                                                   |                                                              | 0.76                                                 | 17.4                                                | 69                                        | 77                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           | 2                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Lincoln                                                                                                         | Nebraska                                                                                                           | Haymarket Park          | 2001    | 1                               | 11                                   | 8500                            | Lincoln Saltdogs I  | Ind       | 1                               | 160986                               |                                 | 0                               | 26024                                              | 265404                                                                  | 3.04                                                         | 1.09                                                 | 7.1                                                 |                                           | 77                                           |
| Brooklyn                                                                                                        | New York                                                                                                           | MCU Park                | 2001    | 1                               | 11                                   | 7501                            | Brooklyn Cyclon     | A         | 2                               | 249009                               | 0.59                            | 0                               | 24190                                              | 2538705                                                                 | 4.79                                                         | 0.93                                                 | 31.2                                                | 37                                        | 79                                           |
| Staten Island                                                                                                   | New York                                                                                                           | Richmond County Bank    | 2001    | 1                               | 11                                   | 7171                            | Staten Island Ya    |           | 2                               | 141163                               | 0.40                            | 0                               | 29939                                              | 481026                                                                  | 6.77                                                         | 1.46                                                 | 17.4                                                | 63                                        | 79                                           |
| Lexington                                                                                                       | Kentucky                                                                                                           | Whitaker Bank Ballpark  |         |                                 | 11                                   | 6994                            | Lexington Legen     |           | 2                               | 295937                               |                                 | 0                               | 28502                                              | 305489                                                                  |                                                              | 1.42                                                 | 10.8                                                |                                           | 76                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 | _                                    |                                 |                     |           | 2                               | 159966                               |                                 |                                 |                                                    | 49946                                                                   |                                                              |                                                      |                                                     |                                           |                                              |
| Troy                                                                                                            | New York                                                                                                           | Bruno Stadium           | 2002    |                                 | 10                                   | 4500                            | Tri-City ValleyCa   | A         | -                               |                                      |                                 | 1                               | 21764                                              |                                                                         |                                                              | 0.40                                                 | 15.4                                                |                                           | 76                                           |
| Brockton                                                                                                        |                                                                                                                    | Campanelli Stadium      | 2002    |                                 | 10                                   | 4750                            |                     |           | 0                               | 0                                    |                                 | 0                               | 21231                                              | 94094                                                                   |                                                              | 0.42                                                 | 19.5                                                |                                           | 77                                           |
| Fresno                                                                                                          | California                                                                                                         | Chukchansi Park         | 2002    | 1                               | 10                                   | 12500                           | Fresno Grizzlies    | AAA       | 4                               | 471686                               | 0.51                            | 0                               | 18360                                              | 505882                                                                  | 3.36                                                         | 0.65                                                 | 25.2                                                | 8                                         | 76                                           |
| Washington                                                                                                      | Pennsylvania                                                                                                       | Consol Energy Park      | 2002    | 1                               | 10                                   | 3200                            | Washington Wil      | Ind       | 1                               | 76829                                | 0.46                            | 0                               | 20941                                              | 13555                                                                   | 3.02                                                         | 0.30                                                 | 13.7                                                | 9                                         | 75                                           |
| Peoria                                                                                                          | Illinois                                                                                                           | Dozer Park              | 2002    |                                 | 10                                   | 7500                            | Peoria Chiefs       | A         | 2                               | 190244                               |                                 | 0                               | 25379                                              | 115687                                                                  |                                                              | 0.85                                                 | 11                                                  |                                           | 75                                           |
|                                                                                                                 |                                                                                                                    |                         | 2002    |                                 |                                      | 10300                           |                     | A A A     | 4                               | 550900                               |                                 | 0                               |                                                    |                                                                         |                                                              | 0.70                                                 | 14.4                                                |                                           | 74                                           |
| Toledo                                                                                                          | Ohio                                                                                                               | Fifth Third Field       |         |                                 | 10                                   |                                 | Toledo Mud Hen      | ллл       | 4                               |                                      |                                 |                                 | 18185                                              |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Slippery Rock                                                                                                   | Pennsylvania                                                                                                       | Jack Critchfield Park   | 2002    |                                 | 10                                   | 1500                            |                     |           | 0                               | 0                                    |                                 | 0                               | 18084                                              |                                                                         |                                                              | 0.60                                                 | 7.6                                                 |                                           | 77                                           |
| Fort Worth                                                                                                      | Texas                                                                                                              | LaGrave Field           | 2002    | 1                               | 10                                   | 4100                            | Fort Worth Cats I   | Ind       | 1                               | 57596                                | 0.54                            | 0                               | 23449                                              | 777992                                                                  | 1.87                                                         | 0.63                                                 | 21                                                  | 8                                         | 78                                           |
| Aberdeen                                                                                                        | Maryland                                                                                                           | Ripken Stadium          | 2002    | 1                               | 10                                   | 6300                            | Aberdeen IronB      | Α         | 2                               | 244974                               | 0.37                            | 0                               | 25863                                              | 15018                                                                   | 2.19                                                         | 0.88                                                 | 13.3                                                | 15                                        | 77                                           |
| Midland                                                                                                         | Texas                                                                                                              | Security Bank Ballpark  | 2002    |                                 | 10                                   | 6669                            | Midland RockHo      | AA        | 3                               | 301110                               | 0.46                            | 0                               | 32096                                              | 119385                                                                  |                                                              | 1.50                                                 | 17.2                                                |                                           | 75                                           |
| Joliet                                                                                                          | Illinois                                                                                                           | Silver Cross Field      | 2002    |                                 | 10                                   | 6016                            | Ioliet Slammers     |           | 1                               | 104019                               | 0.39                            | 0                               | 25049                                              | 148268                                                                  |                                                              | 0.64                                                 | 14.3                                                |                                           | 77                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 | Jonet Stammers      | mu        | 1                               | -                                    |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Columbia                                                                                                        | Missouri                                                                                                           | Taylor Stadium          | 2002    |                                 | 10                                   | 20000                           |                     |           | 0                               | 0                                    |                                 | 0                               | 25845                                              | 113225                                                                  | 2.17                                                         | 0.98                                                 | 5.2                                                 |                                           | 77                                           |
| Cedar Rapids                                                                                                    | Iowa                                                                                                               | Veterans Memorial Stad  | 2002    | 1                               | 10                                   | 62512                           | Cedar Rapids Ke     | A         | 2                               | 160064                               | 0.38                            | 0                               | 27410                                              | 128119                                                                  | 2.66                                                         | 0.98                                                 | 7.3                                                 | 14                                        | 78                                           |
| Jacksonville                                                                                                    | Florida                                                                                                            | Baseball Grounds of Jac | 2003    | 1                               | 9                                    | 11000                           | Jacksonville Sun    | AA        | 3                               | 293013                               | 0.50                            | 0                               | 23282                                              | 836507                                                                  | 2.48                                                         | 1.30                                                 | 12.8                                                | 10                                        | 74                                           |
| Eastlake                                                                                                        | Ohio                                                                                                               | Classic Park            | 2003    | 1                               | 9                                    | 7273                            | Lake County Car     |           | 2                               | 248114                               | 0.51                            | 0                               | 24775                                              | 18459                                                                   |                                                              | 0.96                                                 | 12.6                                                |                                           | 76                                           |
| Kansas City                                                                                                     | Kansas                                                                                                             | Community America Ba    |         |                                 | 9                                    | 6537                            | Kansas City T-Bel   |           | 0                               | 260620                               |                                 | 0                               | 17554                                              | 147268                                                                  |                                                              | 0.49                                                 | 22.3                                                |                                           | 72                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           |                                 |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Frisco                                                                                                          | Texas                                                                                                              | Dr. Pepper Ballpark     | 2003    |                                 | 9                                    | 10316                           | Frisco RoughRid     | AA        | 3                               | 488224                               | 0.57                            | 1                               | 42752                                              | 128176                                                                  |                                                              | 0.43                                                 | 3.8                                                 |                                           | 80                                           |
| Robstown                                                                                                        | Texas                                                                                                              | Fairgrounds Field       | 2003    |                                 | 9                                    | 4200                            |                     |           | 0                               | 0                                    |                                 | 0                               | 14961                                              | 11618                                                                   |                                                              | 0.73                                                 | 45.2                                                |                                           | 75                                           |
| Albuquerque                                                                                                     | New Mexico                                                                                                         | Isotopes Park           | 2003    |                                 | 9                                    | 13279                           | Albuquerque Isc     | AAA       | 4                               | 568417                               |                                 | 1                               | 25786                                              | 555417                                                                  |                                                              | 1.20                                                 | 10.7                                                |                                           | 76                                           |
| Aiken                                                                                                           | South Carolina                                                                                                     | Roberto Hernandez Sta   | 2003    | 1                               | 9                                    | 1000                            |                     |           | 0                               | 0                                    | 0.00                            | 0                               | 32444                                              | 29884                                                                   | 2.45                                                         | 1.04                                                 | 7.8                                                 | 7                                         | 75                                           |
| Rome                                                                                                            | Georgia                                                                                                            | State Mutual Stadium    | 2003    |                                 | 9                                    | 5105                            | Rome Braves         | A         | 2                               | 184983                               | 0.46                            | 0                               | 17863                                              | 36159                                                                   | 2.72                                                         | 1.14                                                 | 27.1                                                |                                           | 73                                           |
|                                                                                                                 |                                                                                                                    | U.S. Steel Yard         | 2003    |                                 | 9                                    | 6139                            | Gary SouthShore     | Ind       | 1                               | 159837                               |                                 | 0                               | 15295                                              | 79170                                                                   |                                                              | 0.71                                                 | 18                                                  |                                           | 73                                           |
| Gary                                                                                                            | Indiana                                                                                                            |                         |         |                                 |                                      |                                 |                     |           | -                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Clearwater                                                                                                      | Florida                                                                                                            | Bright House Field      | 2004    |                                 | 8                                    | 8500                            | Clearwater Thre     |           | 2                               | 177297                               |                                 | 0                               | 28052                                              |                                                                         |                                                              | 2.52                                                 | 10.3                                                |                                           | 75                                           |
| Davenport                                                                                                       | Iowa                                                                                                               | Modern Woodmen Park     |         |                                 | 8                                    | 4024                            | Quad Cities Rive    | A         | 2                               | 240008                               |                                 | 0                               | 24482                                              | 101363                                                                  |                                                              | 1.01                                                 | 7.1                                                 |                                           | 76                                           |
| Greeneville                                                                                                     | Tennessee                                                                                                          | Pioneer Park            | 2004    | 1                               | 8                                    | 2400                            |                     | A         | 2                               | 42303                                | 0.54                            | 0                               | 20683                                              | 15024                                                                   | 3.75                                                         | 1.46                                                 | 20.3                                                |                                           | 72                                           |
| Montgomery                                                                                                      | Alabama                                                                                                            | Riverwalk Stadium       | 2004    |                                 | 8                                    | 7000                            | Montgomery Bis      |           | 3                               | 244976                               |                                 | 0                               | 23358                                              | 205293                                                                  | 3.05                                                         | 1.21                                                 | 13.2                                                |                                           | 73                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           | 1                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Florence                                                                                                        | Kentucky                                                                                                           | UC Health Stadium       | 2004    |                                 | 8                                    | 4500                            | Florence Freedo I   | ma        | 1                               | 97382                                |                                 | 0                               | 24271                                              | 31088                                                                   | 1.64                                                         | 1.01                                                 | 9.9                                                 |                                           | 76                                           |
| Bangor                                                                                                          | Maine                                                                                                              | Winkin Complex          | 2004    | 1                               | 8                                    | 3000                            |                     |           | 0                               | 0                                    | 0.00                            | 0                               | 22888                                              | 32817                                                                   | 3.29                                                         | 1.06                                                 | 7.5                                                 | 4                                         | 76                                           |
| Charleston                                                                                                      | West Virginia                                                                                                      | Appalachian Power Par   | 2005    | 1                               | 7                                    | 4500                            | West Virginia Po    | A         | 2                               | 157875                               | 0.44                            | 0                               | 36579                                              | 51018                                                                   | 3.07                                                         | 1.88                                                 | 9.2                                                 | 3                                         | 71                                           |
| Stockton                                                                                                        | California                                                                                                         | Banner Island Ballpark  |         |                                 | 7                                    | 5200                            | Stockton Ports      | A         | 2                               | 198602                               |                                 | 0                               | 18477                                              | 297984                                                                  |                                                              | 0.43                                                 | 24.3                                                |                                           | 76                                           |
|                                                                                                                 |                                                                                                                    |                         |         | -                               | 7                                    |                                 |                     | rs<br>Ind | 4                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Lancaster                                                                                                       | Pennsylvania                                                                                                       | Clipper Magazine Stadiu |         | -                               |                                      | 7500                            | Lancaster Barns     | Ind       | 1                               | 307431                               |                                 | 1                               | 16504                                              |                                                                         |                                                              | 0.27                                                 | 23.8                                                |                                           | 78                                           |
| Worcester                                                                                                       | Massachusetts                                                                                                      | Fitton Field            | 2005    |                                 | 7                                    | 3000                            |                     |           | 0                               | 0                                    |                                 | 0                               | 22913                                              | 182669                                                                  |                                                              | 0.62                                                 | 16.1                                                |                                           | 77                                           |
| McKinney                                                                                                        | Texas                                                                                                              | Gabe Nesbitt Field      | 2005    | 1                               | 7                                    | 1000                            |                     |           | 0                               | 0                                    | 0.00                            | 0                               | 32098                                              | 143223                                                                  | 1.13                                                         | 0.50                                                 | 9.2                                                 | 38                                        | 80                                           |
| Springfield                                                                                                     | Missouri                                                                                                           | Hammons Field           | 2005    | 1                               | 7                                    | 1486                            | Springfield Card    | AA        | 3                               | 352674                               |                                 | 1                               | 19352                                              |                                                                         |                                                              | 1.09                                                 | 13                                                  |                                           | 77                                           |
| Greensboro                                                                                                      |                                                                                                                    | NewBridge Bank Park     | 2005    |                                 | 7                                    |                                 | Greensboro Gras     |           | 2                               | 367077                               |                                 | 1                               | 23912                                              |                                                                         |                                                              | 1.30                                                 | 12.2                                                |                                           | 76                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           | -                               |                                      |                                 | _                               |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Manchester                                                                                                      |                                                                                                                    |                         | \$ 2005 |                                 | 7                                    |                                 | New Hampshire       |           | 3                               | 377317                               |                                 | 0                               | 26378                                              | 110209                                                                  |                                                              | 0.85                                                 | 12.1                                                |                                           | 78                                           |
| Pearl                                                                                                           | Mississippi                                                                                                        | Trustmark Park          | 2005    | 1                               | 7                                    | 7446                            | Mississippi Brav    | AA        | 3                               | 191639                               | 0.45                            | 0                               | 19944                                              | 26154                                                                   | 1.59                                                         | 0.93                                                 | 13.2                                                | 16                                        | 75                                           |
| Corpus Christi                                                                                                  | Texas                                                                                                              | Whataburger Field       | 2005    | 1                               | 7                                    | 5400                            | Corpus Christi H    | AA        | 3                               | 388927                               | 0.58                            | 0                               | 23776                                              | 312195                                                                  | 3.02                                                         | 1.04                                                 | 21                                                  | 7                                         | 75                                           |
| Loves Park                                                                                                      | Illinois                                                                                                           | Aviators Stadium        | 2006    | 1                               | 6                                    | 3279                            |                     |           | 0                               | 0                                    | 0.00                            | 0                               | 25581                                              | 23805                                                                   | 1.67                                                         | 0.81                                                 | 8.1                                                 |                                           | 75                                           |
| Greenville                                                                                                      |                                                                                                                    | Fluor Field             | 2006    |                                 | 6                                    | 5700                            | Greenville Drive    | ٨         | 2                               | 347042                               |                                 | 0                               | 30394                                              | 60709                                                                   | 2.26                                                         | 1.68                                                 | 14.2                                                |                                           | 75                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           | 2                               |                                      |                                 | -                               |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| State College                                                                                                   |                                                                                                                    | Medlar Field at Lubrand |         |                                 | 6                                    | 5570                            | State College Spi   |           | 2                               | 129588                               |                                 | 0                               | 14747                                              | 41983                                                                   |                                                              | 0.52                                                 | 3.8                                                 | 23                                        | 79                                           |
| Traverse City                                                                                                   | Michigan                                                                                                           | Wuerfel Park            | 2006    | 1                               | 6                                    | 4200                            | Traverse City Bel   | Ind       | 1                               | 175284                               | 0.67                            | 1                               | 29169                                              | 14911                                                                   |                                                              | 2.34                                                 | 4.4                                                 | 17                                        | 77                                           |
| North Little Rock                                                                                               | Arkansas                                                                                                           | Dickey-Stephens Park    | 2007    | 1                               | 5                                    | 5800                            | Arkansas Travel     | AA        | 3                               | 308109                               | 0.44                            | 0                               | 22302                                              | 64633                                                                   | 2.92                                                         | 1.50                                                 | 10.5                                                | 3                                         | 73                                           |
| Midland                                                                                                         | Michigan                                                                                                           | Dow Diamond             | 2007    | 1                               | 5                                    | 5500                            | Great Lakes Loo     | A         | 2                               | 259160                               | 0.48                            | 0                               | 30162                                              | 42020                                                                   | 3.64                                                         | 0.78                                                 | 4.1                                                 | 23                                        | 78                                           |
| Marion                                                                                                          | Illinois                                                                                                           | Rent One Park           | 2007    |                                 | 5                                    | 7000                            | Southern Illinois I | Ind       | 1                               | 129936                               | 0.59                            | 1                               | 25371                                              | 17315                                                                   |                                                              | 0.94                                                 | 11.2                                                |                                           | 74                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           | 1                               |                                      |                                 | -                               |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| York                                                                                                            | Pennsylvania                                                                                                       | Santander Stadium       | 2007    |                                 | 5                                    | 5200                            | York Revolution     |           | 1                               | 273648                               |                                 | 0                               | 13969                                              | 43550                                                                   |                                                              | 0.41                                                 | 27.1                                                |                                           | 77                                           |
| Allentown                                                                                                       | Pennsylvania                                                                                                       | Coca-Cola Park          | 2008    |                                 | 4                                    | 10100                           | Lehigh Valley Ire   | AAA       | 4                               | 622421                               |                                 | 0                               | 17735                                              | 118974                                                                  |                                                              | 0.57                                                 | 21.6                                                |                                           | 77                                           |
| Grand Prairie                                                                                                   | Texas                                                                                                              | QuikTrip Park           | 2008    | 1                               | 4                                    | 5445                            | Grand Prairie Ai    | Ind       | 1                               | 108236                               | 0.53                            | 0                               | 21463                                              | 181824                                                                  | 2.00                                                         | 0.62                                                 | 21.3                                                | 21                                        | 76                                           |
| Waldorf                                                                                                         | Maryland                                                                                                           | Regency Furniture Stad  | 2008    | 1                               | 4                                    | 4200                            | Southern Maryla     | Ind       | 1                               | 229094                               | 0.49                            | 1                               | 34970                                              | 67752                                                                   | 1.56                                                         | 0.36                                                 | 7.7                                                 | 24                                        | 76                                           |
| Trenton                                                                                                         | New Jersey                                                                                                         |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 15056                                              |                                                                         |                                                              | 0.41                                                 | 26                                                  |                                           | 77                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      | -                               |                     |           | 0                               | 0                                    |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Longview                                                                                                        | Texas                                                                                                              |                         |         |                                 |                                      | 0                               |                     |           | -                               | -                                    |                                 | 0                               | 21122                                              | 81092                                                                   |                                                              | 1.33                                                 | 19.3                                                |                                           | 73                                           |
| Union                                                                                                           | New Jersey                                                                                                         |                         |         |                                 |                                      | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 30147                                              | 54050                                                                   | 4.01                                                         | 1.52                                                 | 12.9                                                |                                           | 78                                           |
| Omaha                                                                                                           | Nebraska                                                                                                           |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 25046                                              | 421570                                                                  | 2.45                                                         | 1.29                                                 | 13.3                                                |                                           | 76                                           |
| Queens                                                                                                          | New York                                                                                                           |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 25352                                              | 2277251                                                                 | 4.53                                                         | 1.35                                                 | 25.6                                                | 53                                        | 79                                           |
| Buffalo                                                                                                         | New York                                                                                                           |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 19973                                              | 259384                                                                  | 5.07                                                         | 0.56                                                 | 18                                                  | 4                                         | 76                                           |
| Allen                                                                                                           | Texas                                                                                                              |                         |         |                                 |                                      | 0                               |                     | _         | 0                               | 0                                    |                                 | 0                               | 40359                                              | 89640                                                                   |                                                              | 0.58                                                 | 4.1                                                 |                                           | 80                                           |
|                                                                                                                 |                                                                                                                    |                         | -       |                                 |                                      | -                               |                     |           | -                               | -                                    |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Orangetown                                                                                                      | New York                                                                                                           | I                       |         |                                 | -                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 39087                                              | 48792                                                                   |                                                              | 2.60                                                 | 9.8                                                 |                                           | 80                                           |
| New Bedford                                                                                                     | Massachusetts                                                                                                      |                         |         | -                               | _                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 20450                                              | 94929                                                                   |                                                              | 0.62                                                 | 29.6                                                |                                           | 76                                           |
| Sacramento                                                                                                      | California                                                                                                         |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 24882                                              | 475516                                                                  | 3.04                                                         | 0.56                                                 | 16.6                                                | 9                                         | 77                                           |
| St. Marys                                                                                                       | Pennsylvania                                                                                                       |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 25089                                              | 12913                                                                   | 2.15                                                         | 1.23                                                 | 8.2                                                 | 52                                        | 76                                           |
| Elgin                                                                                                           | Illinois                                                                                                           |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 22676                                              | 109927                                                                  |                                                              | 0.92                                                 | 19.5                                                |                                           | 79                                           |
| Cincinnati                                                                                                      | Ohio                                                                                                               |                         |         | -                               | 0                                    | 0                               |                     | _         | 0                               | 0                                    |                                 | 0                               | 22858                                              | 296550                                                                  |                                                              | 1.02                                                 | 15.9                                                |                                           | 75                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      | 0                               |                     |           |                                 | 0                                    |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Bryn Mawr                                                                                                       | Pennsylvania                                                                                                       |                         | -       | 0                               | 0                                    | <b>v</b>                        |                     |           | 0                               | 0                                    |                                 | 0                               | 25457                                              |                                                                         |                                                              | 0.77                                                 | 6.7                                                 |                                           | 75                                           |
| Austin                                                                                                          | rexas                                                                                                              | l                       |         | U                               | U                                    | U                               |                     |           | U                               | U                                    | V                               | 0                               | 31130                                              | 012072                                                                  | 2.35                                                         | 0.92                                                 | 13.3                                                |                                           | 78                                           |
| Cloverly                                                                                                        | Maryland                                                                                                           |                         |         |                                 | -                                    | 0                               |                     |           | 0                               | 0                                    |                                 |                                 | 45922                                              |                                                                         |                                                              | 1.61                                                 | 6.9                                                 |                                           | 82                                           |
| Abilene                                                                                                         | Texas                                                                                                              |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 20170                                              | 118887                                                                  | 2.87                                                         | 0.98                                                 | 17.7                                                | 11                                        | 73                                           |
| Naperville                                                                                                      | Illinois                                                                                                           |                         |         |                                 |                                      | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 43911                                              |                                                                         |                                                              | 2.11                                                 | 4.5                                                 |                                           | 77                                           |
|                                                                                                                 |                                                                                                                    |                         |         |                                 |                                      |                                 |                     |           |                                 |                                      |                                 | 0                               | 22244                                              |                                                                         |                                                              |                                                      | 12.3                                                |                                           | 74                                           |
| Independence                                                                                                    | Missouri                                                                                                           |                         |         |                                 |                                      | 0                               |                     |           | 0                               | 0                                    |                                 |                                 |                                                    |                                                                         |                                                              | 0.92                                                 |                                                     |                                           |                                              |
| Des Moines                                                                                                      | Iowa                                                                                                               |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 23045                                              |                                                                         |                                                              | 0.88                                                 | 11.7                                                |                                           | 76                                           |
| Miami                                                                                                           | Florida                                                                                                            |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 20671                                              |                                                                         |                                                              | 1.54                                                 | 27.1                                                | 4                                         | 75                                           |
| Sylvania                                                                                                        | Ohio                                                                                                               |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 32412                                              | 18892                                                                   |                                                              | 2.04                                                 | 5.2                                                 |                                           | 74                                           |
| Olathe                                                                                                          | Kansas                                                                                                             |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 30649                                              | 130045                                                                  | 2.77                                                         | 1.18                                                 | 6                                                   | 46                                        | 76                                           |
|                                                                                                                 |                                                                                                                    |                         |         | -                               |                                      | 0                               |                     |           | -                               | 0                                    |                                 | 0                               | 17287                                              | 127018                                                                  |                                                              |                                                      | -                                                   |                                           | 75                                           |
| Waco                                                                                                            | Texas                                                                                                              |                         | -       |                                 | 0                                    | -                               |                     |           | 0                               |                                      |                                 |                                 |                                                    |                                                                         |                                                              | 0.68                                                 | 20.1                                                | 9                                         |                                              |
| Webb                                                                                                            | Texas                                                                                                              |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 22954                                              |                                                                         |                                                              | 0.52                                                 | 25.4                                                |                                           | 76                                           |
| Las Cruces                                                                                                      | New Mexico                                                                                                         |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 19923                                              | 101047                                                                  | 2.60                                                         | 0.73                                                 | 14.5                                                | 10                                        | 76                                           |
| Anderson                                                                                                        | South Carolina                                                                                                     | 1                       |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 19104                                              |                                                                         |                                                              | 1.24                                                 | 21.1                                                |                                           | 73                                           |
| East Dougherty                                                                                                  | Georgia                                                                                                            |                         |         |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 17863                                              |                                                                         |                                                              | 0.61                                                 | 31.4                                                |                                           | 73                                           |
|                                                                                                                 |                                                                                                                    |                         | -       |                                 |                                      | -                               |                     |           |                                 |                                      |                                 |                                 |                                                    |                                                                         |                                                              |                                                      |                                                     |                                           |                                              |
| Bloomington                                                                                                     | Indiana                                                                                                            |                         | -       |                                 | 0                                    | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 18932                                              |                                                                         |                                                              | 0.55                                                 | 7.3                                                 |                                           | 77                                           |
| North Westside                                                                                                  | Florida                                                                                                            |                         |         |                                 |                                      | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 17523                                              |                                                                         | 1.80                                                         | 2.09                                                 | 28.8                                                |                                           | 77                                           |
|                                                                                                                 | Iowa                                                                                                               |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               | 0                                    | 0                               | 0                               | 19470                                              | 82719                                                                   | 3.05                                                         | 1.09                                                 | 17.1                                                | 9                                         | 76                                           |
| Sioux City                                                                                                      |                                                                                                                    | 1                       |         |                                 |                                      | 0                               |                     |           | 0                               | 0                                    |                                 | 0                               | 20192                                              |                                                                         |                                                              | 1.18                                                 | 19.6                                                |                                           | 73                                           |
| Sioux City<br>Sevierville                                                                                       |                                                                                                                    |                         |         | . ×                             |                                      |                                 |                     |           |                                 |                                      |                                 | 0                               | 20152                                              |                                                                         |                                                              |                                                      |                                                     |                                           | 72                                           |
| Sevierville                                                                                                     | Tennessee                                                                                                          |                         | -       | 0                               |                                      |                                 |                     |           | 0                               | 0                                    | U                               |                                 | 20000                                              |                                                                         |                                                              |                                                      |                                                     |                                           | 12                                           |
| Sevierville<br>Mobile                                                                                           | Tennessee<br>Alabama                                                                                               |                         |         |                                 |                                      | 0                               | + +                 |           |                                 | 0                                    |                                 |                                 | 40001                                              |                                                                         |                                                              | 1.38                                                 | 13.9                                                |                                           |                                              |
| Sevierville<br>Mobile<br>Richmond                                                                               | Tennessee<br>Alabama<br>Kentucky                                                                                   |                         |         | 0                               | 0                                    | 0                               |                     |           | 0                               |                                      |                                 | 0                               | 15691                                              | 32112                                                                   | 2.48                                                         | 0.56                                                 | 20.6                                                | 4                                         | 75                                           |
| Sevierville<br>Mobile                                                                                           | Tennessee<br>Alabama<br>Kentucky<br>Maine                                                                          |                         |         | 0<br>0                          | 0<br>0                               |                                 |                     |           | 0<br>0                          | 0                                    | 0                               | 0                               | 22130                                              | 32112<br>36460                                                          | 2.48<br>2.96                                                 | 0.56<br>1.12                                         |                                                     | 4<br>16                                   | 75<br>76                                     |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston                                                                   | Tennessee<br>Alabama<br>Kentucky<br>Maine                                                                          |                         |         | 0<br>0                          | 0<br>0                               | 0                               |                     |           |                                 |                                      | 0                               |                                 |                                                    | 32112<br>36460                                                          | 2.48<br>2.96                                                 | 0.56                                                 | 20.6                                                | 4<br>16                                   | 75                                           |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington                                                     | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia                                                         |                         |         | 0<br>0<br>0                     | 0<br>0<br>0                          | 0<br>0<br>0                     |                     |           | 0<br>0                          | 0<br>0                               | 0<br>0                          | 0<br>0                          | 22130<br>20049                                     | 32112<br>36460<br>49160                                                 | 2.48<br>2.96<br>2.57                                         | 0.56<br>1.12<br>1.13                                 | 20.6<br>13.5<br>14.7                                | 4<br>16<br>1                              | 75<br>76<br>71                               |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside                                        | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California                                           |                         |         | 0<br>0<br>0<br>0                | 0<br>0<br>0<br>0                     | 0<br>0<br>0<br>0                |                     |           | 0<br>0<br>0                     | 0<br>0<br>0                          | 0<br>0<br>0                     | 0<br>0<br>0                     | 22130<br>20049<br>21417                            | 32112<br>36460<br>49160<br>313673                                       | 2.48<br>2.96<br>2.57<br>4.05                                 | 0.56<br>1.12<br>1.13<br>0.62                         | 20.6<br>13.5<br>14.7<br>22.5                        | 4<br>16<br>1<br>15                        | 75<br>76<br>71<br>78                         |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside<br>Levittown                           | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California<br>Pennsylvania                           |                         |         | 0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0           |                     |           | 0<br>0<br>0<br>0                | 0<br>0<br>0                          | 0<br>0<br>0<br>0                | 0<br>0<br>0                     | 22130<br>20049<br>21417<br>25534                   | 32112<br>36460<br>49160<br>313673<br>52983                              | 2.48<br>2.96<br>2.57<br>4.05<br>2.21                         | 0.56<br>1.12<br>1.13<br>0.62<br>0.79                 | 20.6<br>13.5<br>14.7<br>22.5<br>7.5                 | 4<br>16<br>1<br>15<br>23                  | 75<br>76<br>71<br>78<br>78                   |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside<br>Levittown<br>Springfield            | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California<br>Pennsylvania<br>Massachusetts          |                         |         | 0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0                | 0<br>0<br>0<br>0                |                     |           | 0<br>0<br>0                     | 0<br>0<br>0<br>0<br>0                | 0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0                | 22130<br>20049<br>21417<br>25534<br>17146          | 32112<br>36460<br>49160<br>313673<br>52983<br>153552                    | 2.48<br>2.96<br>2.57<br>4.05<br>2.21<br>3.94                 | 0.56<br>1.12<br>1.13<br>0.62<br>0.79<br>0.49         | 20.6<br>13.5<br>14.7<br>22.5<br>7.5<br>22.8         | 4<br>16<br>1<br>15<br>23<br>5             | 75<br>76<br>71<br>78<br>78<br>76             |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside<br>Levittown                           | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California<br>Pennsylvania                           |                         |         | 0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0           |                     |           | 0<br>0<br>0<br>0                | 0<br>0<br>0                          | 0<br>0<br>0<br>0<br>0           | 0<br>0<br>0                     | 22130<br>20049<br>21417<br>25534                   | 32112<br>36460<br>49160<br>313673<br>52983<br>153552                    | 2.48<br>2.96<br>2.57<br>4.05<br>2.21<br>3.94                 | 0.56<br>1.12<br>1.13<br>0.62<br>0.79                 | 20.6<br>13.5<br>14.7<br>22.5<br>7.5                 | 4<br>16<br>1<br>15<br>23<br>5             | 75<br>76<br>71<br>78<br>78                   |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside<br>Levittown<br>Springfield<br>McAllen | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California<br>Pennsylvania<br>Massachusetts<br>Texas |                         |         | 0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0<br>0 |                     |           | 0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0      | 22130<br>20049<br>21417<br>25534<br>17146<br>21881 | 32112<br>36460<br>49160<br>313673<br>52983<br>153552<br>134719          | 2.48<br>2.96<br>2.57<br>4.05<br>2.21<br>3.94<br>2.55         | 0.56<br>1.12<br>1.13<br>0.62<br>0.79<br>0.49<br>1.25 | 20.6<br>13.5<br>14.7<br>22.5<br>7.5<br>22.8<br>24.9 | 4<br>16<br>1<br>15<br>23<br>5<br>13       | 75<br>76<br>71<br>78<br>78<br>78<br>76<br>78 |
| Sevierville<br>Mobile<br>Richmond<br>Lewiston<br>Huntington<br>Riverside<br>Levittown<br>Springfield            | Tennessee<br>Alabama<br>Kentucky<br>Maine<br>West Virginia<br>California<br>Pennsylvania<br>Massachusetts          |                         |         | 0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0      |                     |           | 0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0 | 22130<br>20049<br>21417<br>25534<br>17146          | 32112<br>36460<br>49160<br>313673<br>52983<br>153552<br>134719<br>92468 | 2.48<br>2.96<br>2.57<br>4.05<br>2.21<br>3.94<br>2.55<br>2.35 | 0.56<br>1.12<br>1.13<br>0.62<br>0.79<br>0.49         | 20.6<br>13.5<br>14.7<br>22.5<br>7.5<br>22.8         | 4<br>16<br>1<br>15<br>23<br>5<br>13<br>38 | 75<br>76<br>71<br>78<br>78<br>76             |

| City/Town       | State          | Stadium Name | Year | Stad | Life | Capacity | Team Name | Level | Level | Attendance | Win % | Champi | Per Capi | Population | Local Gove | Small Busir | Educational. | Crime | Health |
|-----------------|----------------|--------------|------|------|------|----------|-----------|-------|-------|------------|-------|--------|----------|------------|------------|-------------|--------------|-------|--------|
| Nashua          | New Hampshir   | re           |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 32411    | 86933      | 2.96       | 1.00        | 8.9          | 27    | 78     |
| Clinton         | Mississippi    |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 26098    | 25752      | 2.31       | 1.56        | 6.6          | 32    | 72     |
| Plano           | Texas          |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 41385    | 272068     | 1.86       | 1.77        | 8.2          | 35    | 80     |
| Rolling Meadows | Illinois       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 30001    | 24241      | 3.06       | 1.96        | 13.6         | 67    | 76     |
| Dutch Fork      | South Carolina |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 25849    | 66450      | 2.18       | 1.36        | 10.7         | 20    | 75     |
| Altoona         | Pennsylvania   |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 18391    | 46148      | 2.84       | 0.66        | 10.2         | 29    | 75     |
| Berkley         | Michigan       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 34572    | 15123      | 3.29       | 1.78        | 4            | 73    | 78     |
| Conway          | Arkansas       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 24213    | 62939      | 1.63       | 1.03        | 7            | 8     | 74     |
| Bloomfield Town | Michigan       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 69484    | 43211      | 2.60       | 6.12        | 2.4          | 77    | 78     |
| Shorewood       | Illinois       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 30942    | 16211      | 2.04       | 0.52        | 7.9          | 72    | 77     |
| Wilkes-Barre    | Pennsylvania   |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 17312    | 41243      | 3.00       | 0.57        | 15           | 15    | 74     |
| Erie            | Pennsylvania   |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 18765    | 101047     | 2.33       | 0.53        | 12.7         | 16    | 76     |
| Brownsville     | Texas          |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 14313    | 180097     | 2.60       | 0.68        | 36.8         | 10    | 77     |
| Glen Burnie     | Maryland       |              |      | 0    | 0    | 0        |           |       | 0     | 0          | 0     | 0      | 29404    | 67639      | 1.58       | 0.48        | 13.1         | 8     | 77     |