Honors Program

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Attendance and the Minor Leagues - Does MLB Affiliation Matter?

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Attendance and the Minor Leagues - Does MLB Affiliation Matter?

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Introduction

Baseball is considered America’s national pastime. From playing a game of catch when you are a child, through playing and watching games while growing up, baseball has a sense that it is a truly American thing to do. While most fans are aware of Major League Baseball, there is also a smaller stage for players with talent but maybe not all the perfect skills to make the majors can play. This is minor league baseball, and it allows for players to work on their skills so that one day they can play in the majors.

Minor league baseball is played in two different forms. One is affiliated with the Minor League Baseball system, which allows for players to be drafted by an MLB club and then go through the ranks of affiliated baseball. There is also independent baseball, where teams are not affiliated by with an MLB club, but players can work to have their contracts bought by an MLB club. Each type of baseball is able to bring in fans to come to their games. However, this then opens a question, which is what type of baseball is more successful is bringing in fans to come to their games. This paper addresses how teams did in terms of drawing in fans and compares independent leagues to affiliated leagues. The author also looks at how teams performed since the recent economic recession to see how the leagues have done in keeping attendance figures up during the recent economic struggles.

The author had three questions to be answered. The three research questions were as followed.

1. In terms of attendance figures, how are minor league and independent teams performing?
2. Which type of league has better attendance?
3. Compare attendance data from before and after the beginning of the recent economic recession from 2006-present.
In answering these three questions, the author found that he was able to get an understanding of the success of attendance, as well as comparisons between minor league and independent leagues. The author was also able compare how teams had been doing before and after the recent economic recession in order to get a sense of how the teams had been doing. In being able to answer these questions, it helped in terms of understanding the difference between affiliated and independent baseball, the success rates of each league, and how the recent economic recession had taken a toll on attendance figures.
Literature Review

There is some history in the background of minor league and independent baseball. Minor League Baseball (the official organization of leagues that play under that moniker) was formed in 1901, when it was then known as the National Association of Professional Baseball Leagues. The leagues played their first official season in 1902, with ninety-six teams in fourteen leagues. Minor League Baseball grew to its largest point in terms of teams in 1949, when 448 teams playing in fifty-nine different leagues were members of Minor League Baseball. Since that time, Minor League Baseball has seen a slight drop in terms of overall teams and leagues but is still doing well. In 2012, Minor League Baseball saw fifteen leagues totaling 176 teams take the field (“Official Site”, milb.com).

Independent baseball, on the other hand, has a more recent history than minor league baseball. The current form of independent baseball started in 1993 with only two leagues. Since then, there have been twenty-five different independent leagues, with over 250 teams competing during that time frame (Independent Pro Baseball). Many ballplayers have gone through the independent ranks and have made it to the major league, including former Fargo-Moorhead RedHawk Chris Coste, who won a World Series with the Philadelphia Phillies in 2008 (The author’s affinity for the RedHawks and Coste notwithstanding).

There has been some previous research in the study of attendance and how it affects minor league baseball. One of these studies was done by J. Thomas Yokum, Juan J. Gonzalez, and Tom Badgett. The three authors, in 2006, studied how a franchise would be successful in drawing fans to come to their games. Yokum, Gonzalez, and Badgett found that their franchise would not have long-term success in their current market (Yokum, et al.). However, in comparing the current study to the research done by the three, the current study does not look at
predicting future success, but rather comparing the past success of these teams drawing in the fans.

There have also been studies done of how attendance affects major league baseball. One of these studies was done by Robert A. Baade and Laura J. Tichen. In their study, they looked to develop a theory about major league attendance, and how that theory can contribute to resolving other issues in sport. The authors found that there was a strong correlation in the major leagues between how a team performs and how attendance figures. In looking at attendance at the minor league level, I also looked at this correlation between how a team was doing on the field and how they performed in drawing in fans.
Methods

In starting research, the author began by sending out surveys (Appendix A) with results (Appendix B) to the sixteen league offices that he was looking to acquire data from. Four of these leagues (American Association, Atlantic League, Can-Am League, and Frontier League) are independent leagues, while the remaining twelve (International League, Pacific Coast League, Eastern League, Southern League, Texas League, California League, Carolina League, Florida State League, Midwest League, South Atlantic League, New York-Penn League, and Northwest League) are affiliated leagues. In looking at collecting data, the author chose to use data from teams in previous cities. However, if teams had switched leagues over the course of the study, the author chose to use them as expansion teams in their current league. In order to get a proper balance, the author used attendance as a percentage of stadium capacity. This allowed for discrepancies in stadium size to be balanced out, and allowed an equal study. While the author received very few surveys in return, he was able to access the information over the internet. Some of these sites that had information available included minorleaguebaseball.com, baseball-reference.com, as well as the individual independent league sites. A complete list of websites used is referenced in Appendix D.

From there, the author analyzed each of the team’s data. The author used the formula of Attendance Percentage of Stadium Capacity=Per-Game Average/Stadium Capacity in order to figure out what the average came out to be for each team in a given year. The author then took the averages for each team in a league in a given year to get the league average for one year. After completing that, the author took the averages for a league for each year and averaged them out to get the seven-year average for each league.
Finally, after analyzing each year for each league individually, the author compared each year for the leagues as one. The author averaged out the averages for the seven years in this study, in order to make a seven-year average. By using this seven-year average, the author had one number from which he could compare each of the leagues as a group, and it also allowed for a larger spectrum of whether or not these leagues were successful over the whole period. The author also looked at which year specifically that each league had their best year in terms of average attendance, in order to compare how leagues have performed before and after the economic recession.
Results

Fourteen out of the sixteen leagues that were surveyed came in at 50% or above for the seven-year average of stadium capacity. Only one league came in at 70% for the seven-year average. Nine leagues were between 60% and 70% in their seven-year average, while one league was below 40% in their seven-year average. There are cases of franchises in particular leagues that are doing well in drawing in fans, consistently performing in the 90% range of stadium capacity. There are also franchises in these leagues that are also drawing in the 30-40% range of stadium capacity.

### 7-Year Averages

<table>
<thead>
<tr>
<th>League</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic League</td>
<td>72.57% (I)</td>
</tr>
<tr>
<td>New York-Penn League</td>
<td>69.26% (A)</td>
</tr>
<tr>
<td>Eastern League</td>
<td>66.31% (A)</td>
</tr>
<tr>
<td>Texas League</td>
<td>65.68% (A)</td>
</tr>
<tr>
<td>Northwest League</td>
<td>64.87% (A)</td>
</tr>
<tr>
<td>Frontier League</td>
<td>64.86% (I)</td>
</tr>
<tr>
<td>South Atlantic League</td>
<td>63.41% (A)</td>
</tr>
<tr>
<td>International League</td>
<td>63.20% (A)</td>
</tr>
<tr>
<td>American Association</td>
<td>62.31% (I)</td>
</tr>
<tr>
<td>Can-Am League</td>
<td>61.93% (I)</td>
</tr>
<tr>
<td>Midwest League</td>
<td>58.25% (A)</td>
</tr>
<tr>
<td>Carolina League</td>
<td>57.66% (A)</td>
</tr>
<tr>
<td>Pacific Coast League</td>
<td>55.36% (A)</td>
</tr>
<tr>
<td>California League</td>
<td>50.19% (A)</td>
</tr>
<tr>
<td>Southern League</td>
<td>46.18% (A)</td>
</tr>
<tr>
<td>Florida State League</td>
<td>21.38% (A)</td>
</tr>
</tbody>
</table>

I-Independent, A-Affiliated

Independent leagues were more successful in drawing in fans than the affiliated league. Based on the seven-year average for each league, the four independent leagues drew 65.42% of stadium capacities to their games, while the twelve affiliated leagues came in at only 56.81% of stadium capacities. It should also be noted that all four of the independent leagues came in the top ten of leagues surveyed, and all came in over 60% of stadium capacity for the seven-year period.


There was an even split of leagues that had their best year occur before 2008, and those that saw their best year come in 2008 and after. All independent leagues had their best year come
before 2008, while eight out of twelve affiliated leagues saw their best year come in 2008 or later. The year that was the best for leagues was 2007, when six leagues saw attendance average highs over this period of time. 2011 was the next best year, as four leagues saw their attendance average hit the highest point over the seven-year course.

Discussion

There were some interesting notes that came out of the results from doing this survey. One was the fact that those leagues that saw their best year before 2008 averaged 63.35%, while those that saw their best year come in 2008 and after only saw an average of 54.57%. This leads to ask the question that, if this survey was done in another five years, with the new data available and removing the old data, what shift would we see in terms of attendance figures? Would leagues that had struggled in this survey rise to the top in the new survey? Would independent leagues fall behind their affiliated counterparts? This opens up questions that can be answered sometime in the future. Not every league that saw their best year come in 2006 or 2007 saw a huge drop in attendance between then and 2012. However, it was more common to see larger drops in the independent leagues than in the affiliated leagues. This may be due to the fact that the independent leagues were more likely to see teams move into their league than their affiliated counterparts.

Also, there are other interesting facts brought up from this survey that affected the survey in terms of stadium capacity. While the Omaha Storm Chasers had seen slight increases in attendance, they saw a large jump in terms of attendance as a percentage of stadium capacity from 2010 to 2011. This was due to the fact that they moved from the 22,000-seat Johnny Rosenblatt Stadium to the 9,023-seat Werner Park in 2011 (“Pacific Coast League”, Werner Park). By losing nearly 13,000 seats in their home stadium, this allowed the Storm Chasers’ percentage to increase from 26.76% to 65.91% in just one year. In looking at this figure, it goes back to asking the question of, if we were to eliminate any data collected from Johnny Rosenblatt Park, how much of an effect would it have on the league as a whole, considering Omaha is just one member of the sixteen-team Pacific Coast League.
Also, in looking at the city of Wichita, Kansas, the team that called Lawrence-Dumont Stadium home for the 2006 and 2007 season seemed to draw lower numbers than the team that is currently based there. Wichita was home to two separate teams at that ballpark during this study, the Double-A Wichita Wranglers of the Texas League, and the independent Wichita Wingnuts of the American Association. In looking at this data provided for the city of Wichita, there are some questions that can be asked. Why did fans stop supporting the Wranglers, and were willing to support the Wingnuts? This question would need to be answered by surveys from fans of both teams, to get an understanding of the Wichita fan base.

There is also the question of what teams can do in order to draw more fans to come to their games. Although most leagues are successful in getting fans to come (as the fourteen of sixteen over 50% indicated), there is still room for improvement. There are individual franchises in each league that are doing well in drawing attendance. However, there are also franchises that are struggling to draw fans to the gate. Leagues need to work with the struggling franchises in order to help boost the league as a whole. This is especially true in affiliated baseball, where franchises are needed for the major league clubs, and thus are more likely to be moved if not successful in one area.

Also, there are those franchises that are playing in stadiums that may be too large for them to fill up. For example, all but one of the Florida State League stadiums is currently in use by a major league club during their spring training. This leads to having larger stadiums left for the Class A teams to fill up with once the major league club heads back to its home city for the season. However, Florida State League teams could use this to their advantage. They could use marketing tools to state that the players currently out on the field now could be playing for the
major league club someday. Of course, this would only be successful if the spring training base already has a large number of fans for the major league club, but it is still a possibility.

In looking at the information collected for this research project, the author found that most leagues are doing relatively well in drawing in fans, but there is still room for improvement. Each league needs to work with the teams that are struggling in order to help bring up attendance figures as a whole. Meanwhile, those teams that are doing well need to keep up their pace of drawing in fans to their games, to keep the average for each league up. Overall, minor league baseball has room for improvement in terms of drawing in fans, but there has not been a huge negative effect in terms of losing fans due to the economic recession.
Conclusion

Leagues have been somewhat successful in drawing in fans, but there is improvement needed. Independent leagues have been more successful at drawing in fans than their minor league counterparts. Finally, the recent economic recession has had some effect on how teams are performing in attendance, although this is not the case throughout every league. In the end, affiliation does not matter in terms of drawing attendance to minor league games. In looking at future research, the author would look at the area surrounding minor league ballparks, in order to see what minor league teams compete against in terms of drawing fans to the ballpark.
Bibliography


“American Association of Independent Professional Baseball.” Retrieved from
  http://www.americanassociationbaseball.com/


“Baseball Pilgrimages Major and Minor League Ballpark Roadtrips.” Retrieved from
  http://www.baseballpilgrimages.com/

  http://www.baseball-reference.com/


“Independent Professional Baseball History and Alumni.” Retrieved from
  http://www.independentbaseball.net/alumni-history/


Appendix A

Survey

1. Has your franchise been in its current city since 2006?
   a. If your franchise has relocated since 2006, please provide previous city in data.
   b. If your franchise was an expansion franchise, please use data from the inception of the franchise.

2. Has your franchise gone through any marketing changes since 2006? (New logo/nickname, color scheme, etc.)
   a. If so, please list previous names or marketing changes data.

3. Has your franchise moved to a new stadium in your current city since 2006?

4. What is the seating capacity of your stadium?

5. What are the attendance figures of your franchise for each year since 2006?

6. What has been the record for your team for each year since 2006?

7. Has your franchise had any playoff experience since 2006?

8. Has your franchise won any championships since 2006?
Appendix B

Survey Answers (For full results, contact the author)

Answer to Question #1-There were some franchises that had moved over the seven-year period. The results found that in every case, the move cause a boost of attendance in the new city for the franchise, although the growth would vary from franchise to franchise.

Answer to Question #2-In looking at marketing changes and how it affected franchises, I found that there was not a huge effect on how successful a team did in drawing in fans to their games.

Answer to Question #3-There were only a few teams that changed Stadiums in the same city over the course of the seven-year study. In these cases, teams saw their stadium size decrease from the move. There was also one team that rebuilt their stadium, which saw an increase in stadium size.

Answer to Question #4-Stadium size varied from team to team, and from league to league.

Answer to Question #5-The information gathered from attendance figures is reflected in the study answers.

Answers to Question #6-Record did not seem to play a huge factor in the growth or decline of team attendance over the seven-year period.

Answers to Question #7/#8-Playoff appearances, as well as championships, did not seem to play a huge factor in how a team did in seeing growth in attendance.
Appendix C

Stadium Capacities Range

Independent Leagues
American Association-3800-10000
Atlantic League-5200-7500
Can-Am League-3000-6200
Frontier League-3200-7365

Affiliated League
International League-8089-18025 (Previous stadiums ranged from 9560-15000 for three teams)
Pacific Coast League-8500-15500 (Previous stadiums ranged from 11500-23105 for three teams)
Eastern League-6000-1000 (Previous stadium capacity was 6270 for one team)
Southern League-5038-11000 (Previous stadium capacity was 6500 for one team)
Texas League-6500-10486 (Previous stadiums ranged from 6111-10997 for two teams)
California League-2468-8000
Carolina League-4000-6600 (Previous stadiums ranged from 4100-6280 for two teams)
Florida State League-4200-11000 (Previous stadiums ranged from 6474-7500 for two teams)
Midwest League-3200-11000 (Previous stadiums ranged from 6315-6600 for two teams)
South Atlantic League-4000-7499
New York-Penn League-2600-7171 (Previous stadium capacity was 4000 for one team)
Northwest League-3000-6803 (Previous stadium capacity was 6800 for one team)
Appendix D

Complete list of sources used

“2006 Atlantic League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=b6ab6390

“2006 California League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=c83403be

“2006 Carolina League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=cb54f1b9

“2006 Florida State League Playoffs.” Retrieved from

http://www.milb.com/milb/events/playoffs/y2006/schedule.jsp?did=1123

“2006 Florida State League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=56efb71c

“2006 Midwest League Playoffs.” Retrieved from

http://www.milb.com/milb/events/playoffs/y2006/schedule.jsp?did=1118

“2006 Midwest League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=6a9d8d4e


“2006 New York-Penn League Playoffs.” Retrieved from

http://www.milb.com/milb/events/playoffs/y2006/schedule.jsp?did=1127

“2006 New York-Penn League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=8a23df2f

“2006 Northwest League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=9dd258d2
“2006 Pacific Coast League Playoffs.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2006/schedule.jsp?did=l112

“2006 Pacific Coast League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=4de400ea

“2006 Per Game Average Attendance Mega Rankings.” Retrieved from

“2006 South Atlantic League Playoffs.” Retrieved from

“2006 South Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=4f2a858c

“2006 Southern League Playoffs.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2006/schedule.jsp?did=l111

“2006 Southern League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=19b7d10a

“2006 Texas League Playoffs.” Retrieved from

“2006 Texas League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=daf0b80a

“2007 Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=bd7465d9

“2007 California League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=d8a0adc7

“2007 Carolina League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=727a1921

“2007 Florida State League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=66e28be9


“2007 Midwest League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=59955826

“2007 New York-Penn League Playoffs.” Retrieved from


“2007 New York-Penn League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=6eb4e1ce

“2007 Northwest League Playoffs.” Retrieved from


“2007 Northwest League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=5535812c

“2007 Pacific Coast League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=9bb85c40

“2007 South Atlantic League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=9e107bf5

“2007 Southern League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=6d1668eb

“2007 Texas League Statistics.” Retrieved from

http://www.baseball-reference.com/minors/league.cgi?id=4de7d4d7
“2008 Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=03373b87

(2008, August 8). “Ripken Baseball buys Vero Beach franchise.” MILB. Retrieved from
&vkey=news_1123&fext=.jsp&sid=1123

“2008 California League Statistics” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=1bfd4aeb

“2008 Carolina League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=17eb0bd1

“2008 Florida State League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=fe07902f

“2008 Midwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=346d38b7


“2008 Minor League Attendance by Average-Independent.” Retrieved from
attendance-by-average-independent

“2008 New York-Penn League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=4d44890d

“2008 Northwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=dae9af5f

“2008 Pacific Coast League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=0e7928c7

"2008 South Atlantic League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=73b8a932

"2008 Southern League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=fbb1cab0

"2008 Texas League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=75ada2bc

"2009 Atlantic League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=5bf973b5

"2009 California League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=d2efd8df

"2009 Carolina League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=2fc11dce

"2009 Florida State League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=7ac89b8a

"2009 Midwest League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=08accd49

"2009 Minor League Attendance by Average-Independent." Retrieved from

"2009 New York-Penn League Statistics." Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=dd0f8031
“2009 Northwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=beca9382
http://triblive.com/x/pittsburghtrib/sports/pirates/s_650592.html#axzz2PSn90h4y
“2009 Pacific Coast League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=5f155166
“2009 South Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=110c11e5
“2009 Southern League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=b157bd2f
“2009 Texas League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=ef4990f5
“2010 California League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=23787a29
“2010 Carolina League Statistics.” Retrieved from
“2010 Florida State League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=9fb4c58a
“2010 Midwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=8f4bf649
“2010 New York-Penn League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=3aa5d07d
“2010 Northwest League Statistics.” Retrieved from
“2010 Pacific Coast League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=f2d9b56d

“2010 South Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=b6ca3ab2

“2010 Southern League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=06a71d01

“2010 Texas League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=ebd4f50e

“2011 California League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=da86996a

“2011 Carolina League Playoffs.” Retrieved from

“2011 Carolina League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=deffbaab

“2011 Florida State League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=74ed1632

“2011 New York-Penn League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=b35a0657

“2011 Northwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=dfc7c455

“2011 Pacific Coast League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=2b849127
“2011 Playoffs, Multiple Leagues.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2011/index.jsp

“2011 South Atlantic League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=7fd14262

“2011 Southern League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=eb42cf1f

“2011 Texas League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=ec9a9f8f

Retrieved from http://www.ballparkdigest.com/201012163387/minor-league-
baseball/features/carolina-to-pensacola-kinston-to-zebulon-in-2012

“2012 Midwest League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=a1207761

“2012 Playoffs, California League.” Retrieved from

“2012 Playoffs, Carolina League.” Retrieved from

“2012 Playoffs, Florida State League.” Retrieved from

“2012 Playoffs, Midwest League.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2012/league.jsp?sid=l118&lid=118

“2012 Playoffs, New York-Penn League.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2012/league.jsp?sid=l127&lid=127
“2012 Playoffs, Northwest League.” Retrieved from

“2012 Playoffs, Pacific Coast League.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2012/league.jsp?sid=1112&lid=112

“2012 Playoffs, South Atlantic League.” Retrieved from

“2012 Playoffs, Southern League.” Retrieved from
http://www.milb.com/milb/events/playoffs/y2012/league.jsp?sid=1111&lid=111

“2012 Playoffs, Texas League.” Retrieved from

“2012 Southern League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=ee8b6c63

“2012 Texas League Statistics.” Retrieved from
http://www.baseball-reference.com/minors/league.cgi?id=0c632c88

“About Steinbrenner Field.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20080227&content_id=41260756&sid=t58
7&vkey=team1

“About the Ballpark, Vermont Lake Monsters.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20090213&content_id=40999970&sid=t46
2&vkey=team1

“About the Spinners.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20081121&content_id=41221422&sid=t55
8&vkey=team4
“About the Stadium, Vancouver Canadians.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t435&ymd=20090505&content_id=578594&vkey=team1

“About Us, Lakeland Flying Tigers.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20060222&content_id=41062698&sid=t570&vkey=team1

“Aces Ballpark.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t2310&ymd=20090328&content_id=546003&vkey=team1#ballparkfacts

“American Association Attendance 2006.” Retrieved from

“American Association Attendance 2007.” Retrieved from

“American Association Attendance 2008.” Retrieved from

“American Association Attendance 2009.” Retrieved from

“American Association Attendance 2010.” Retrieved from
http://www.amERICANASSOCIATIONBASEBALL.com/pdf/AA-2010-standings.pdf

“American Association Attendance 2011.” Retrieved from

“American Association Attendance 2012.” Retrieved from
http://am-
association.bbstats.pointstreak.com/attendance.html?leagueid=193&seasonid=11458

“American Association Playoffs 2012.” Retrieved from

http://am-
association.bbstats.pointstreak.com/standings.html?leagueid=193&seasonid=18889

“American Association Standings 2012.” Retrieved from

http://am-
association.bbstats.pointstreak.com/standings.html?leagueid=193&seasonid=11458


5&vkey=team1


“Arthur W. Perdue Stadium.” Retrieved from


“Arvest Ballpark.” Retrieved from

http://www.milb.com/content/page.jsp?sid=t1350&ymd=20061215&content_id=148900

&vkey=team1


“Atlantic League: All-time playoff history 1998 to present.”

http://www.yorkblog.com/revs/atlantic-league-history/atlantic-league-playoffs/

“Atlantic League Attendance 2010”. Retrieved from


“Atlantic League Attendance 2011.” Retrieved from

"Atlantic League Attendance 2012." Retrieved from

http://atlantic.bbstats.pointstreak.com/attendance.html?leagueid=174&seasonid=12585

"Atlantic League Playoffs 2010."


"Atlantic League Playoffs 2011." Retrieved from


"Atlantic League Playoffs 2012." Retrieved from


"Atlantic League Standings 2010." Retrieved from


"Atlantic League Standings 2011." Retrieved from


"Atlantic League Standings 2012." Retrieved from

http://atlantic.bbstats.pointstreak.com/standings.html?leagueid=174&seasonid=12585

"Banner Island Ballpark." Retrieved from

http://www.milb.com/content/page.jsp?ymd=20081120&content_id=41023534&sid=t52

4&vkey=team1

"Ballpark Facts, State College Spikes." Retrieved from

http://www.milb.com/content/page.jsp?ymd=20090401&content_id=40996006&sid=t11

74&vkey=team1
“Ballpark Profile Columbus Clippers.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20090316&content_id=41000394&sid=t44
&vkey=team1

“Ballpark Profile Round Rock Express.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t102&ymd=20100112&content_id=7906284
&vkey=team2

“Ballpark Rental, Frisco Ballpark.” Retrieved from
http://www.friscoballparkevents.com/spaces/ballpark/

“Ballpark, San Antonio Missions.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t510&ymd=20060318&content_id=48476&v
key=team2

“Ballpark, Wilmington Blue Rocks.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20081222&content_id=489788&sid=t426&v
key=team1

“Ballpark, Tri-City Dust Devils.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20060526&content_id=41420548&sid=t460&vkey=team1

“Baseball Grounds of Jacksonville.” Retrieved from
http://www.baseballpilgrimages.com/AA/jacksonville.html

“Baseball in St. George.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20090803&content_id=6219582&sid=t586
&vkey=team1

“BB&T Ballpark.” Retrieved from

“Bridgeport Bluefish Stadium.” Retrieved from
http://www.atlanticleague.com/teams/bridgeport.php

“Bright House Field.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20090319&content_id=40998104&sid=t56&vkey=team1

“California League Attendance 2006.” Retrieved from

“California League Attendance 2007.” Retrieved from

“California League Attendance 2008.” Retrieved from

“California League Attendance 2009.” Retrieved from

“California League Attendance 2010.” Retrieved from

“California League Attendance 2011.” Retrieved from

“California League Attendance 2012.” Retrieved from

“California League Standings 2012.” Retrieved from
“Calvin Falwell Field at Lynchburg City Stadium.” Retrieved from

“Camden Riversharks Stadium.” Retrieved from
http://www.atlanticleague.com/teams/camden.php

“Can-Am League Attendance 2006.” Retrieved from

“Can-Am League Attendance 2007.” Retrieved from

“Can-Am League Attendance 2008.” Retrieved from

“Can-Am League Attendance 2009.” Retrieved from

“Can-Am League Attendance 2010.” Retrieved from
http://canam.bstats.pointstreak.com/attendance.html?leagueid=201&seasonid=316

“Can-Am League Attendance 2012.” Retrieved from
http://canam.bstats.pointstreak.com/attendance.html?leagueid=201&seasonid=11459

“Can-Am League Playoffs 2012.” Retrieved from
http://canam.bstats.pointstreak.com/standings.html?leagueid=201&seasonid=18674

“Carolina League Attendance 2006.” Retrieved from

“Carolina League Attendance 2007.” Retrieved from
“Carolina League Attendance 2008.” Retrieved from


“Carolina League Attendance 2009.” Retrieved from


“Carolina League Attendance 2010.” Retrieved from


“Carolina League Attendance 2011.” Retrieved from


“Carolina League Attendance 2012.” Retrieved from

http://www.milb.com/milb/stats/stats.jsp?t=1_att&lid=122&sid=1122

“Carolina League Standings 2012.” Retrieved from


“Chukchansi Park.” Retrieved from

http://www.littleballparks.com/Stadium/2004/Fresno/Fresno.htm

“Citibank Ballpark.” Retrieved from

http://www.baseballpilgrimages.com/minors/midlandtx.html

“Charlotte Sports Park.” Retrieved from

http://www.littleballparks.com/Stadium/2009/Port_Charlotte/Port_Charlotte.htm

“CMC-Northeast Stadium.” Retrieved from

http://www.milb.com/content/page.jsp?sid=t487&ymd=20090114&content_id=495521&vkey=team1
“Coca-Cola Field.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t422&ymd=20100224&content_id=8132200&vkey=team1

“Coca-Cola Park Info.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20101108&content_id=16026484&sid=t140&vkey=team1


“Cooper Stadium.” Retrieved from
http://www.littleballparks.com/Stadium/2001/Columbus/Columbus.htm

“Damaschke Field.” Retrieved from

“Dickey-Stephens Park.” Retrieved from
http://www.baseballpilgrimages.com/minors/northlittle-rock.html

“Drillers Stadium.” Retrieved from

“Durham Bulls Athletic Park.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20110817&content_id=23336674&sid=t234&vkey=team2

“Dwyer Stadium Info.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20130227&content_id=42045088&sid=t511&vkey=team1

“Dutchess Stadium.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20100514&content_id=10036096&sid=t53
7&vkey=team1

“Eastern League Attendance 2007.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?y=2007&t=l_att&lid=113&sid=l113

“Eastern League Attendance 2008.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?y=2008&t=l_att&lid=113&sid=l113

“Eastwood Field.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20130224&content_id=41951822&sid=t54
5&vkey=team1

“Ed Smith Stadium.” Retrieved from

“Everett Memorial Stadium.” Retrieved from
http://www.baseball-reference.com/minors/park.cgi?id=WA006

“Falcon Park.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t458&ymd=20070215&content_id=177816&vkey=team1

“Fan Guide, Frederick Keys.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t493&ymd=20100223&content_id=8118166&vkey=team1

“Fan’s Guide to the Bow, Williamsport Crosscutters.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20091110&content_id=7648300&sid=t449&vkey=team1
“Fifth Third Field Info.” Retrieved from

http://www.milb.com/content/page.jsp?ymd=20100219&content_id=8098256&sid=t152
&vkey=team2

“Five County Stadium.” Retrieved from


“Florida Auto Exchange Stadium.” Retrieved from

http://www.milb.com/content/page.jsp?sid=t424&ymd=20060308&content_id=46044&v
key=team1

“Florida State League Attendance 2006.” Retrieved from


“Florida State League Attendance 2007.” Retrieved from


“Florida State League Attendance 2008.” Retrieved from


“Florida State League Attendance 2009.” Retrieved from


“Florida State League Attendance 2010.” Retrieved from


“Florida State League Attendance 2011.” Retrieved from


“Florida State League Attendance 2012.” Retrieved from


“Florida State League Standings 2012.” Retrieved from

"Fluor Field." Retrieved from

http://www.ballparkdigest.com/200901041220/minor-league-baseball/visits/fluor-field-greenville-drive

"Frontier Field." Retrieved from


"Frontier League Attendance 2010."


"Frontier League Attendance 2011." Retrieved from


"Frontier League Attendance 2012." Retrieved from


"Frontier League Playoffs 2012." Retrieved from


"Frontier League Standings 2012." Retrieved from


"G. Richard Pfitzner Stadium." Retrieved from

http://www.littleballparks.com/Stadium/2001/Woodbridge/Potomac.htm

"General History, MILB.com” Retrieved from

http://www.milb.com/milb/history/general_history.jsp

"Grainger Stadium." Retrieved from


"Grayson Stadium.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20090223&content_id=40995810&sid=t543&vkey=team1

"Hammond Stadium.” Retrieved from

http://www.littleballparks.com/Stadium/2007/Fort_Myers/Fort_Myers.htm


"Hank Aaron Stadium.” Retrieved from

http://www.baseballpilgrimages.com/minors/mobile.html

"Harbor Park.” Retrieved from

http://www.milb.com/content/page.jsp?ymd=20081124&content_id=41067682&sid=t568&vkey=team1

"Herschel Greer Stadium.” Retrieved from


"History, Louisville Bats Ballpark Info.” Retrieved from

http://www.milb.com/content/page.jsp?sid=t416&ymd=20051215&content_id=36314&vkey=team1

"Holman Stadium.” Retrieved from

http://www.littleballparks.com/Stadium/2005/Vero_Beach/Vero_Beach.htm

"Hoover Metropolitan Stadium.” Retrieved from


"Independent Professional Baseball History”. Retrieved from

http://www.independentbaseball.net/alumni-history/

"International League Attendance 2006.” Retrieved from

“International League Attendance 2007.” Retrieved from

“International League Attendance 2008.” Retrieved from

“International League Attendance 2009.” Retrieved from

“International League Attendance 2010.” Retrieved from

“International League Attendance 2011.” Retrieved from

“International League Attendance 2012.” Retrieved from

“Isotopes Park.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t342&ymd=20081103&content_id=476889&vkey=team1

“Jackie Robinson Ballpark.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20100223&content_id=8118192&sid=t450&vkey=team1

“Joe Davis Stadium.” Retrieved from
http://www.baseballpilgrimages.com/minors/huntsville.html

“Joseph P. Riley Jr. Park” Retrieved from

“John Thurman Field.” Retrieved from


“Knights Stadium History.” Retrieved from http://www.milb.com/content/page.jsp?ymd=20130119&content_id=41036334&sid=t49


“Lake Olmstead Stadium.” Retrieved from http://www.milb.com/content/page.jsp?sid=t478&ymd=20090205&content_id=506011&vkey=team1


“Lewis-Gale Field at Salem Memorial Ballpark.” Retrieved from

“Long Island Ducks Stadium.” Retrieved from
http://www.atlanticleague.com/teams/longisland.php

“L.P. Frans Stadium.” Retrieved from

“McCoy Stadium.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t533&ymd=20080830&content_id=452367&vkey=team1

“McCormick Field.” Retrieved from


“MCU Park.” Retrieved from

“Mets Stadium.” Retrieved from
http://www.littleballparks.com/Stadium/2003/St_Lucie/St_Lucie.htm

“Memorial Stadium.” Retrieved from

“Midwest League Attendance 2006.” Retrieved from

“Midwest League Attendance 2007.” Retrieved from
“Midwest League Attendance 2008.” Retrieved from

“Midwest League Attendance 2009.” Retrieved from

“Midwest League Attendance 2010.” Retrieved from

“Midwest League Attendance 2011.” Retrieved from

“Midwest League Attendance 2012.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?t=l_att&lid=118&sid=1118

“Municipal Stadium.” Retrieved from
http://www.littleballparks.com/Stadium/2001/Hagerstown/Hagerstown.htm

“NBT Bank Stadium.” Retrieved from

“Newbridge Bank Park.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20100317&content_id=8814272&sid=t477
&vkey=team1

“New-York Penn League Attendance 2006.” Retrieved from

“New York-Penn League Attendance 2007.” Retrieved from

“New York-Penn League Attendance 2008.” Retrieved from
“New-York Penn League Attendance 2009.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?y=2009&t=1_att&lid=127&sid=1127

“New-York Penn League Attendance 2010.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?y=2010&t=1_att&lid=127&sid=1127

“New York-Penn League Attendance 2011.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?y=2011&t=1_att&lid=127&sid=1127

“New York-Penn League Attendance 2012.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?t=1_att&lid=127&sid=1127

“New York-Penn League Standings 2012.” Retrieved from
http://www.milb.com/standings/index.jsp?lid=127&sid=1127

“Northwest League Attendance 2006.” Retrieved from

“Northwest League Attendance 2007.” Retrieved from

“Northwest League Attendance 2008.” Retrieved from

“Northwest League Attendance 2009.” Retrieved from

“Northwest League Attendance 2010.” Retrieved from

“Northwest League Attendance 2011.” Retrieved from

“Northwest League Attendance 2012.” Retrieved from

“Northwest League Standings 2012.” Retrieved from

“Ottawa Stadium.” Retrieved from

“Pacific Coast League Attendance 2006.” Retrieved from

“Pacific Coast League Attendance 2007.” Retrieved from

“Pacific Coast League Attendance 2008.” Retrieved from

“Pacific Coast League Attendance 2009.” Retrieved from

“Pacific Coast League Attendance 2010.” Retrieved from

“Pacific Coast League Attendance 2011.” Retrieved from

“Pacific Coast League Attendance 2012.” Retrieved from
http://www.milb.com/milb/stats/stats.jsp?t=l_att&lid=112&sid=112

“Pacific Coast League Ballparks.” Retrieved from
http://www.ballparks.com/baseball/general/facts/pcl.htm

“Pacific Coast League Standings 2012.” Retrieved from
“Pensacola Bayfront Stadium.” Retrieved from http://www.milb.com/content/page.jsp?ymd=20120718&content_id=35136404&sid=t41&vkey=team1


“Ripken Stadium.” Retrieved from http://www.milb.com/content/page.jsp?sid=t489&ymd=20090206&content_id=506401&vkey=team1


“Roger Dean Stadium.” Retrieved from http://rogerdeanstadium.com/about/a-to-z.html

“Russell Diethrick Park.” Retrieved from http://www.milb.com/content/page.jsp?sid=t489&ymd=20070301&content_id=184941&vkey=team1

“San Jose Municipal Stadium.” Retrieved from
http://www.littleballparks.com/Stadium/2003/San_Jose/San_Jose.htm

“Senator Thomas J. Dodd Memorial Stadium.” Retrieved from

“Security Service Field.” Retrieved from


“South Atlantic League Attendance 2006.” Retrieved from

“South Atlantic League Attendance 2007.” Retrieved from

“South Atlantic League Attendance 2008.” Retrieved from

“South Atlantic League Attendance 2009.” Retrieved from

“South Atlantic League Attendance 2010.” Retrieved from

“South Atlantic League Attendance 2011.” Retrieved from

“South Atlantic League Attendance 2012.” Retrieved from

“South Atlantic League Standings 2012.” Retrieved from

“Southern League Attendance 2006.” Retrieved from

“Southern League Attendance 2007.” Retrieved from

“Southern League Attendance 2008.” Retrieved from

“Southern League Attendance 2009.” Retrieved from

“Southern League Attendance 2010.” Retrieved from

“Southern League Attendance 2011.” Retrieved from

“Southern League Attendance 2012.” Retrieved from

“Southern Maryland Blue Crabs Stadium.” Retrieved from
http://www.atlanticleague.com/teams/southernmaryland.php

“Space Coast Stadium.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t503&ymd=20060118&content_id=38468&vkey=team1

“Stadium Guide, Lakewood BlueClaws.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20100218&content_id=8089998&sid=t427&vkey=team1
“State Mutual Stadium.” Retrieved from

“Sugar Land Skeeters Stadium.” Retrieved from
http://www.atlanticleague.com/teams/sugarland.php

“The Diamond.” Retrieved from
http://www.milb.com/content/page.jsp?ymd=20100225&content_id=8139352&sid=t103
&vkey=team1

“Texas League Attendance 2006.” Retrieved from

“Texas League Attendance 2007.” Retrieved from

“Texas League Attendance 2008.” Retrieved from

“Texas League Attendance 2009.” Retrieved from

“Texas League Attendance 2010.” Retrieved from

“Texas League Attendance 2011.” Retrieved from

“Texas League Attendance 2012.” Retrieved from

“The Experience, Tri-City ValleyCats.” Retrieved from
http://www.milb.com/content/page.jsp?sid=t577&ymd=20120119&content_id=2639441
&vkey=team1

&vkey=team1


“Victory Field Profile.” Retrieved from http://www.milb.com/content/page.jsp?sid=t484&ymd=20050630&content_id=13591&v
key=team1


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Appendix E

Information Received

Information was received from the following leagues:

American Association
Can-Am League
Eastern League
Frontier League
International League
Midwest League
Southern League

The following teams also returned surveys:

Bakersfield Blaze
Corpus Christi Hooks
Eugene Emeralds
High Desert Mavericks
Inland Empire 66ers
Lancaster JetHawks
Spokane Indians
Visalia Rawhide

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