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### A Financial Analysis of Professional Baseball Player Worth

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A FINANCIAL ANALYSIS OF PROFESSIONAL  
BASEBALL PLAYER WORTH

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Submitted in partial fulfillment of the requirements for  
graduation with Honors

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## **Abstract**

By using data from the 2014 Major League Baseball season, this paper examines the current market of baseball. I mainly look to offer clarity to the debate questioning if players are paid their marginal revenue product. By using a two-step model, I first estimate the effect team statistics have on team winning percentage, and next how that team winning percentage affects team revenue. After obtaining results from the regressions, I use those calculations in two formulas aimed at quantifying a player's marginal revenue product. I find that overall, players are paid close to their respective marginal revenue products. An age gap exists, however, where younger players are paid significantly less than their values, while older players are paid in excess of their contributions to the team.

## **Introduction**

With the million dollar contracts baseball players are signing, it appears that they are overpaid for performing insignificant tasks. For example, this past 2015 season, Clayton Kershaw of the Los Angeles Dodgers held the spot of highest paid MLB player with a salary of \$32,571,428 on the year, not including endorsement deals (Spotrac, 2014). The next highest was Justin Verlander of the Detroit Tigers with a salary of \$28,000,000 on the year (Spotrac, 2014). When looking at teams as a whole, the Los Angeles Dodgers come in at the top with an estimated total payroll of \$214,583,330, followed closely by the New York Yankees with \$171,777,857 (Spotrac, 2014). These numbers may seem outrageous as the players are paid for

their output of entertainment, but when you look at the massive industry of Major League Baseball, the player contracts pale in comparison.

A 2014 report from Forbes magazine states that the average MLB team is now worth \$811 million, a 9% increase from 2013 (Ozanain, 2014). The New York Yankees lead the way with a current value of \$2.5 billion and a revenue of \$461 million in 2013 (Ozanain, 2014).

To further break down these numbers, we can look back at 1997 when the Cleveland Indians filed financial disclosures with the Securities and Exchange Commission. The teams' primary revenue sources were as follows: ticket sales (\$49 million), local radio and television (\$17 million), merchandise sales (\$17 million), Major League Baseball Central Fund (\$16 million), concessions and catering (\$14 million), postseason revenue (\$13 million), private-suite and club-seat rental (\$9 million), and revenue sharing (\$7 million loss provision) (Silver, 2006). Compared to player salary in 1997, the highest paid baseball player was Pedro Martinez of the Boston Red Sox at \$12.5 million per year (Granillo, 2009). While the salaries of baseball players appear high, so are the revenues that the players help to generate.

The goal in a game of baseball is to simply score more runs than your opponent. Whether in Little League, Minor League, or Major League, that objective remains the same. It may seem straightforward enough, but that one simple goal has developed Major League Baseball into the massive industry it is today.

For years, Major League Baseball teams have embarked on the quest to put together the best team with the limited funds they have. Teams aim to buy players that will consistently produce more runs than the number of runs they allow. How

does the management of teams know what players will result in more wins? How do they know how much to pay those players? Here in lies the driving factor that keeps baseball interesting. As Michael Lewis explains in his book *Moneyball* (2003), the actual valuation of players finds its roots in the same analysis that exists in the financial markets. Financial analysts that normally value stocks or firms have applied their knowledge of the financial market to the game of baseball (Lewis, 2003). This has resulted in a whole new way to view baseball players. Players serve as assets to teams, representing rights to a generation of income and when trying to put performance into a dollar value, players must be looked at as financial instruments (Bradbury, 2011, xvi).

Professional baseball teams first began when businessmen saw an opportunity to make a profit on fans that wanted to watch baseball, and the owners soon realized that better players meant more wins, which translated to more fans generating more revenue (Bradbury, 2011). Since then, managers have been trying to place a value on professional baseball players.

The first actual published method to player valuation was by economist Gerald Scully in his 1974 paper titled *Pay and Performance in Major League Baseball* appearing in *The American Economist Review* (Bradbury, 2011). Scully aimed to estimate player revenue contribution by estimating the value of wins and finding how individuals influence this winning (Bradbury, 2011). This approach intended to find a player's value from his marginal revenue product (MRP). Marginal revenue product is an economic concept that quantifies the dollar value of output each additional unit of input produces. This number can be simply calculated by

estimating the amount of output an input can create and then multiplying that by the revenue the output generates. For example, in a business, if hiring one additional worker who can produce 50 products that will be sold at \$2 a piece, the worker's estimated marginal revenue product for a day would be \$100. This same approach can be applied to the baseball market. Players serve as the input by producing wins that can be translated into revenue for the team (Bradbury, 2011). If an additional win is worth \$3 million in a market, then a player that will produce a win for his team will have a marginal revenue product of \$3 million. People enjoy watching baseball and will pay a high price for that entertainment, leading to a high MRP for players.

To go further, a firm only hires an additional unit of a resource if the resource's MRP exceeds its marginal resource cost (MRC). The MRC is the cost of hiring an additional unit of the resource. For example, a resource that generates \$100 and only costs \$75 would be hired because the MRP is greater than the MRC. In other words, it costs the firm less than what the MRP would be, which would be a profit. Conversely, if that resource now costs \$125, the resource would not be hired because the MRC is now greater than the MRP. For my study, I will be comparing the MRP to the salary of players.

By assigning players MRPs, I am then able to look at the salaries the players receive and show if the player is underpaid or overpaid by the team. By finding the MRP, I hope to be able to suggest to MLB teams how they can better allocate funds to produce the most economically efficient team, hopefully translating into the best team on the field. Valuing baseball players is an important issue for baseball teams.

Teams and scouts in particular are constantly comparing players via statistics and on-field production. This paper makes a connection between the various on field metrics and then the financial aspect of the sport. Executives can use calculations to better spend their revenues to put the best product out on the field. This study can also be relevant to the general public to help provide clarity to the issue of if professional athletes are overpaid. Especially when comparing professional athlete salaries to professions that actually better society, such as doctors, teachers, police officers, and firefighters, the numbers seem poorly distributed. By finding the marginal revenue product, I hope to show an accurate comparison of earnings vs. cost.

The majority of literature written on this topic looks at data years ago. The market of baseball is rapidly changing and adjusting every year, not to mention the strides that society has made socially and technologically. At the time of Scully's research, racial discrimination was an issue in the sport. Also, statistics have improved providing better measures to value players. My study looks to integrate the use of social media cites to gauge team support while also analyzing current data. The baseball labor market has changed throughout the years, and with the existence and introduction of free agency and arbitration, players are given a much larger bargaining power than what they had when Scully did similar research. This leads me to believe they are paid more inline with their marginal revenue products than what Scully found in his initial valuation.

## Literature Review

Gerald Scully was a pioneer in the subject matter of valuing a Major League Baseball Player in 1974. He explains that while the MRP cannot be directly determined, it can be estimated by evaluating the effect player performance has on winning and the effect team winning has on team revenue. At the time, this was a monumental concept. There had just been the first player's strike in MLB history two years before, thus displaying the increased awareness of the financial side of professional sports. Scully describes how the players were concerned with low salaries, pay cuts, and player benefits. Fans were persuaded to side with the management, viewing MLB players as overpaid. By analyzing the relationship between player performance and salary and subsequently finding the MRP of players, Scully was looking to bring clarity to the issue. The crux of his argument was the existence of monopsony exploitation in the labor market for baseball. Monopsony is present when there are many workers vying for employment, thus allowing the employer to "exploit" the workers by setting lower wages.

Scully's two-equation model first specifies a linear relationship between the team's winning percentage (PCTWIN) and various other team performance variables. PCTWIN is simply expressed as games won divided by the total games, then multiplied by 1,000. For his "on-field" metrics, Scully determined that slugging average (SA) and strikeout-to-walk ratio (SW) were the most apt variables to measure hitter and pitcher performance. For this specific model, in order to estimate how team offensive and defensive efforts contribute to the team's winning percentage, Scully uses the team slugging average (TSA) and the team strikeout-to-



walk ratio (TSW). He goes on to explain that these are not the only determinants in whether a team wins or losses. Many games are decided by one run and in these instances, the key factors are not the offensive or defensive contributions, but instead the team morale. For example, if a team is playing well and vying for a spot in the playoffs, the manager will make more aggressive decisions, players will hustle more, and overall, the whole team will perform better. In contrast, when a team is at the bottom of the division, or routinely ends the season with a losing record, it has poor team morale. Players will not exert the same effort as if they feel like they have something to play for. To go further, typically at the end of the season, if the team has a losing record, it will trade quality veteran players and bring minor leaguers to the majors in order to evaluate and develop the talent of the future. Scully represents these gauges of team morale by using two dummy variables. The first, measuring for team contention (CONT), is one for pennant or divisional winners and team's that are five or fewer games away from the winner. For the opposite, Scully uses the variable OUT, which is one if the team is twenty games or more behind the first place team and zero otherwise. Lastly, because at the time, it was believed that the National League had a higher quality of play, a dummy variable was used to account for the better on-field performance statistics of National League teams (NL).

Using team data for the 1968 and 1969 seasons, Scully's team percent win function was the following:

$$\begin{aligned}
 \text{PCTWIN}_t = & 37.24 + .92\text{TSA}_t + .90\text{TSW}_t - 38.57\text{NL} + 43.78\text{CONT}_t - 75.64\text{OUT}_t \\
 & (.39) \quad (4.37) \quad (5.92) \quad (4.03) \quad (3.77) \quad (6.17) \\
 & R^2=.88, \text{DF}=38
 \end{aligned}$$

For example, an interpretation of the first coefficient would be, a one point increase in the team slugging average would lead to an increase in the team's winning percentage by .92 points. Each coefficient can be interpreted in a similar manner. The coefficients were all determined to be significant at the 1 percent level and the formula has a rather high  $R^2$  value, meaning the model is a good fit for the data.

After Scully estimated an equation to quantify the affect team statistics have on winning percentage, he then needed to determine how winning percentage and other market characteristics affect the team revenue. He uses *REVENUE* as the dependent variable in his next equation, defining it as the home attendance times average ticket price plus the revenue from broadcasting rights. Because Scully's hypothesis is that a team with a higher winning percentage will yield higher attendance and thus a larger revenue, *PCTWIN* is used as the first independent variable. Next, the size of the geographical area also determines the attendance, therefore the Standard Metropolitan Area (*SMSA*) is included in the equation. Scully explains that market size is not enough to determine the city's intensity when it comes to rooting for a team, so he uses the variable *MARGA*, which is obtained by estimating attendance records from 1957-1971. Similarly to the winning percentage formula, Scully includes a dummy variable (*NL*) to adjust for the believed difference in quality of play between the two leagues. The last two independent variables consist of a dummy variable for if the stadium is lacking in amenities, located in a poorer neighborhood (*STD*), and then a variable *BBCT* that accounts for the percentage of African Americans on the team, capturing the existence of racial

discrimination. After estimating the team REVENUE function with data for 1968 and 1969, the results were:

$$\begin{aligned}
 REVENUE_t = & -1,735,890 + 10,330PCTWIN_t + 494,585SMSA_{70} + 512MARGA + \\
 & \quad (1.69) \quad (6.64) \quad (4.61) \quad (4.28) \\
 & \quad 580,913NL - 762,248STD_t - 58,523BBPCT_t, \\
 & \quad (1.84) \quad (2.42) \quad (3.13) \\
 R^2 = & .75, DF=36
 \end{aligned}$$

This model indicates that by raising the team's win-loss record one point increases the team revenue by \$10,330.

Scully's next step was to put the coefficients of interest from each equation together to calculate the MRPs. From the first equation, he used TSA and TSW, and from the second equation he used PCTWIN.

$$MRP \text{ hitters} = .92 * \$10,330 = \$9,504 \text{ per point TSA}$$

$$MRP \text{ pitchers} = .90 * \$10,330 = \$9,297 \text{ per } 1/100 \text{ point TSW}$$

After estimating each player's contribution to the team's statistics, Scully produces MRP estimates, and then after performing a salary determination, he concludes that over a career, average players are paid only about 20% of their net MRP, star players receive about 15%, while mediocre players have salaries exceeding their MRP. This monumental study proved the existence of monopsony power in that time period and through their exploitation, professional baseball players experienced a severe economic loss.

In 1994 Don MacDonald and Morgan Reynolds sought to refine Scully's method and apply it to data from the 1986 and 1987 seasons to investigate whether the reformed baseball labor market closed the gap between baseball salaries and marginal revenue products. The pair begins their assumptions in the same manner

as Scully, ascertaining that “a player’s marginal revenue product essentially is based on each player’s contribution to significant team performance variables, the effect of these performance variables on winning percentage, and, in turn, the effect of winning percentage on revenue (1994).” The linear equation the two estimated is as follows:

$$WP = a_0 + a_1 RUNS + a_2 ERA + a_3 CONT + a_4 OUT + e_1$$

Where  $WP$  = percentage of games won by a team times 1000,

$RUNS$  = total team runs for the season,

$ERA$  = team’s earned run average per 9-inning game,

$CONT$  = 1 if the team finished within five games of first place in the division and 0 otherwise,

$OUT$  = 1 if the team finished 20 or more games out of first place in the division and 0 otherwise,

and  $e_1$  = a classical ‘white noise’ stochastic disturbance term.

The next team equation fundamentally captures the factors influencing team revenue, or in other words, consumer valuation.

$$REV = b_0 + b_1 WP + b_2 POP + b_3 Y + b_4 LOSER + b_5 TT + e_2$$

where  $REV$  = estimated total team operating revenue from gate receipts, local and national broadcasting receipts, concession and parking income, minus estimated non-player expenditures,

$WP$  = winning percentage,

$POP$  = metropolitan statistical area population in millions,

$Y$  = personal income in the metropolitan area in \$billions,

$LOSER = 1$  if team's winning percentage falls below 0.500 averaged over previous three seasons, and 0 otherwise,

$TT = 1$  if there is another Major League Baseball Team in the metropolitan area (New York, Chicago, San Francisco/Oakland, and Los Angeles) and 0 otherwise,

and  $e_2$  = a 'white noise' stochastic disturbance term.

The results of the regressions are stated below:

$$WP = 461.42 + 0.53 RUNS - 86.37 ERA + 22.44 CONT - 20.03 OUT$$

$$(10.42) \quad (7.49) \quad (8.25) \quad (2.25) \quad (2.21)$$

$$DF = 47, F = 70, R^2 = 0.86$$

$$REV = 7.56 + 0.027WP - 9.63POP + 0.75Y - 8.53LOSER - 4.69TT$$

$$(1.13) \quad (2.20) \quad (3.25) \quad (3.84) \quad (5.89) \quad (2.29)$$

$$DF = 46, F = 28, R^2 = 0.75$$

To interpret a few of the variables, in equation 1, each additional RUN scored per season increases winning percentage by 0.53 and a reduction of one run in a team's earned run average per 9-innings, raises winning percentage by 86 points. For equation 2, our variable of interest WP can be described as a one point increase in winning percentage raises revenue by \$27,217 per season.

Furthermore, to answer the question of if baseball players are paid their MRPs, MacDonald and Reynolds used the results from equation 1 and 2 to derive the MRPs and make a comparison to professional baseball player salaries. For an offensive player, since the goal is to score runs, in order to calculate the career (mean annual) MRP, they note a run scored raises a team's win percentage by 0.5343, and a one-point increase in win percentage raises a team's revenue by

\$27,217. Combining these, the productivity of offensive players for 1986-1987 can be defined as:

$$\begin{aligned}\text{MRP hitters} &= 0.534 * \$27217 * \text{mean annual runs scored} \\ &= \$14534 * \text{mean annual runs scored}\end{aligned}$$

For pitchers, ERA is used to measure skill. The lowest possible ERA is zero and if that is the case, it implies that the team's winning percentage would equal the intercept (461.42) plus the offensive productivity. Following the same process as the MRP for hitters, for a pitcher, a one-point increase in winning percentage is worth \$27,217 and each one-point decline in team ERA raises winning percentage by 86.37. Since the ERA of a team is a weighted average of individual ERAs, each pitcher's production is multiplied by personal IP% to obtain:

$$\begin{aligned}\text{MRP pitcher} &= \$27217 * (461.42 - 86.37 \text{ ERA}) * \text{IP}\% \\ &= (\$12558468 * \text{IP}\%) + (\$2350732 * \text{IP}\%) \text{ ERA}\end{aligned}$$

After valuing players based upon MRP, MacDonald and Reynolds ran a regression of salaries on MRP to get a closer look at if players were paid according to MRP. They found that experienced hitters are paid inline with their MRP while young players are consistently paid under their MRP. The researchers identify that these findings are in accordance with the players' eligibility in free agency and the subsequent opportunity to negotiate contracts with teams. A surprising finding from the pair's study was that veteran pitchers are on average overpaid relative to MRP. Overall, their findings conclude that older players are either overvalued or fairly valued, while younger players are undervalued.

In critique of Gerald Scully's MRP model, Anthony Krautmann published a paper in 1999 titled "What's Wrong with Scully-Estimates of a Player's Marginal Revenue Product." In this paper, Krautmann contests that Scully's estimates are too high, fail to relate to free-agent wages, and rely on estimated revenue data from Major League Baseball teams (Bradbury, 2013). Krautmann suggests a new model called the free-market returns approach to find a supposedly more accurate estimate of MRP. This method uses the free-agent market to price player performance and then ties those values to metrics of player performance in a regression (Bradbury, 2013). His results indicate the average player with less than three years of major league experience receives about 25% of his MRP, while a player with three to six years of experience is paid appropriate to his value (Krautmann 1999). The major flaw to Krautmann's approach, however, is that he assumes competition in the free-agent market will cause wages to align with MRP, where in reality, the existence of low-wage substitutes give teams a bargaining power to reduce the free-agent wages (Bradbury, 2013).

The most recent player valuation model was done in 2011 by J.C Bradbury. Bradbury had a unique approach to his estimates. Looking at data from the 2007 and 2008 seasons, he first used the following equation to find the impact team quality, market size, and stadium quality had on team revenue:

$$\text{Team revenue} = (W1 * \text{Run differential}) + (W2 * \text{Run differential}^2) + (W3 * \text{Run differential}^3) + (W4 * \text{Population}) + (W5 * \text{Honeymoon}) + \text{Constant}$$

His results are as follows:

$$\begin{aligned} \text{Team revenue} = & (0.0641 * \text{Run differential}) + (0.000979 * \text{Run differential}^2) \\ & + (0.00000312 * \text{Run differential}^3) + (0.0000061 * \text{Population}) + (19.55 * \\ & \text{Honeymoon}) + 95.5 \end{aligned}$$

The weights reflect the impact each variable has on team revenue. Bradbury then multiplied the weights by the runs each player contributed to estimate the financial impact of each player. He then did a similar valuation for the defense of each player. Combining the two numbers, Bradbury was able to calculate the MRP for every player. He found Albert Pujols to be the most valuable in 2007. Bradbury was looking more to show which player brings in the most money for his respective team, rather than if that same player was overpaid or underpaid.

## **Methodology**

The method I employ to find a player's MRP most closely mirrors that of MacDonald and Reynolds (1994). It includes a three-step model that first looks at how team statistics effect winning percentage, then how the winning percentage effects team revenue, and finally it ties the two together in order to quantify the impact of individual player performance on the player's MRP. I run a simple OLS regression for the models in RStudio to obtain my results. The regressions ultimately hold constant the dependent variable to isolate the effects of each independent variable. For my models, I look at cross-sectional data, meaning data from many different factors over one time period.

For my winning percentage model, I use almost the same model set forth by MacDonald and Reynolds, but tailor it with data from the MLB in the 2014 season.



The model uses a team's winning percentage multiplied by 1,000 as the dependent variable (WIN.PCT). For the first variable that influences a team's winning percentage, I decided to use the number of runs scored by each team on the season (RUNS). I chose this variable instead of using the team's overall batting average because it accounts for every run scored. In baseball, teams are essentially trying to score more runs than their opponents, so in my opinion runs scored is the best measurement of a team's offensive output. Next, to measure the defense of a team, I chose to utilize the statistic of earned run average (ERA). The ERA equals the earned runs a team allows per nine innings. I use a team's ERA because it represents the ability of a team to prevent runs from scoring. It also does not reflect the presence of errors for a team, meaning it does an accurate job of illustrating the skill of a pitcher. Now in a perfect setting, say if we were using robots, the existence of offensive and defensive metrics would be enough to estimate winning percentage. But, since we are dealing with human beings, team morale is another big factor contributing to a team's win/loss record. Innately, if a team is doing well and close to making the playoffs, players will play "harder" than if the team was doing poorly and in last place in the division. To denote this difference, I use first a dummy variable to show if a team is in contention (CONT). The variable is 1 if the team made the playoffs or finished within 5 games of a playoff spot, and 0 otherwise. In the MacDonald and Reynolds model, they use CONT as a dummy variable to signify if a team was within 5 games of first place in the division. This is because the wild card in the MLB was not introduced until 1994, after MacDonald and Reynolds' research. What the wild card adds is more teams making the playoffs and thus more teams being in

contention. It began in 1994 with only one additional team from each league making the playoffs to advance. In 2012, the system was modified to include two additional teams from each league making the playoffs. By my variable *CONT* including teams within 5 games of a wild card spot, it reflects the new rules regarding teams making the playoffs. In contrast to players performing better to make the playoffs, players on teams that are close to the bottom in the standings have less of a motive to play. In their minds, they are getting paid no matter what, and why risk injury for a team that has no chance at making the playoffs. This also has to do with management who, come August and September, either trade away quality players, or bring up less experienced players from the Minor League. This occurs because the management realizes that the team has no chance of making the playoffs that current year, so they look to the future to develop younger talent. I use a variable *OUT* to signify this demoralization of a team that is close to the bottom of the division. *OUT* is a dummy variable that is a 1 if the team finishes 15 games or more out of first place in the division or a 0 otherwise. Again, I chose 15 games instead of the 20 that MacDonald and Reynolds used in order to capture the existence of wild card teams. Poorly performing teams now have more of a chance than what they did before the introduction of the wild card.

In summary, below is the model I use to estimate winning percentage:

$$\text{Equation 1: } WIN.PCT = a_0 + a_1 RUNS + a_2 ERA + a_3 CONT + a_4 OUT + \varepsilon$$

After estimating the effect of team performance on winning percentage, I can go on to look at what influences a team's revenue. This model again shows similarities to Scully's model, in addition to MacDonald and Reynolds' model. The

dependent variable in this model is the revenue across each MLB team in the 2014 season in millions (REV). This variable is employed because I am looking to isolate the effects of various on-field and off-field factors. My first independent variable is each team's winning percentage multiplied by 1,000 (WIN.PCT). This is used because it is an integral part of an increase in a team's revenue. When a team performs better, attendance increases, thus causing a rise in gate receipts. For my next variable, I use the population of the team's home city (POP). Population is a necessary factor to consider if a team is located in a heavily populated area, it has a larger pool of people to attend games, which could lead to a larger attendance at games, and similarly, a larger number of people to watch the games on television concerning a team's broadcast revenue. To account for the differences in wealth across the cities that house MLB teams, I incorporate each city's income per capita (INCOME). My rationale for including this variable is that if people living in a MLB team's city have more money to spend, they will spend their money to buy more goods, one of which could be MLB tickets. The last variable I include in my formula is vastly different from research done in the past. The variable is the number of Twitter followers each team had at the end of the 2014 season (TWITT). I decided upon this term because I wanted to be able to gauge the popularity of each team. Twitter, and social media in general, have a much larger presence than they did in the past, and therefore I believe Twitter will be an effective measure of a team's fan base. I chose to leave out variables for perpetual losers and also teams with an all-star present because they were not significant when I ran the regressions.

The model for team revenue is:

$$\text{Equation 2: } REV = \beta_0 + \beta_1 WIN.PCT + \beta_2 POP + \beta_3 INCOME + \beta_4 TWITT + \varepsilon$$

The problem with this model is that winning percentage is endogenous, meaning that it is correlated with the error term. This results in a biased coefficient estimate. To solve for this issue, I used the 2SLS method. In the first stage, I ran an OLS regression with winning percentage as the dependent variable and all the predetermined variables including POP, INCOME, TWITT, RUNS, ERA, CONT, and OUT as the independent variables. From this, I used an Rstudio code to find the predicted values of each data entry for WIN.PCT. For the second stage, I used the predicted values of WIN.PCT obtained from the first stage in my OLS regression of REV. Since the predicted values are obtained through predetermined variables, they are uncorrelated with the error term.

After I estimate the models for team winning percentage and team revenue, I can derive the marginal revenue product for both position players and pitchers. Simply, I combine how statistics affect winning percentage and how winning percentage then affects revenue. The MRP of a position player is equal to:

$$\text{Equation 3: } MRP_{\text{Hitter}} = a_1 * \beta_1 * RUNS * 1000000$$

Since the ERA of a pitcher cannot be lower than zero, the lowest the team's winning percentage can be is the intercept plus the team's productivity. I use this equation to find the marginal revenue product from pitchers:

$$\text{Equation 4: } MRP_{\text{Pitcher}} = \beta_1 * (a_0 - a_2 \text{ ERA}) * IP\% * 1000000$$

After finding the MRPs, I then compare the numbers to players' actual salaries and find the difference in order to see if players are paid their MRPs.

## Data

I retrieved the data for my regressions from multiple sources. The baseball statistics such as winning percentage, team runs scored, team ERA, and whether the team is in contention or not, are from ESPN.com. The information on population and income per capita were found from [factfinder.uscensus.gov/statcan.gc.ca](http://factfinder.uscensus.gov/statcan.gc.ca) and [Factfinder.uscensus.gov/btmm.qc.ca](http://Factfinder.uscensus.gov/btmm.qc.ca) respectively. Forbes.com was the source of my revenue data. Data on the various followings of MLB team's Twitter pages was garnered from a statista study. Finally, I retrieved player salaries from [spotrac.com](http://spotrac.com). For my calculations I used every player on each team's 40-man roster at the end of the 2014 season that had salary information available. Some players were not included because they were in the midst of arbitration or free agency, thus their salaries were not obtainable. Also, in the case that players were traded during the season, I used a percentage of games played per team to accurately distribute the salary.

## Results

The model for winning percentage is:

$$\text{Equation 1: WIN.PCT} = 571.1223 + .3362\text{RUNS} - 77.0210\text{ERA} + 24.8452\text{CONT} \\ - 29.4730\text{OUT}$$

To interpret the variables of interest, for every one run increase, winning percentage will raise by .3362 points and for every point increase in ERA per nine innings, winning percentage will decrease by 77.021 points. For my winning percentage model, equation 2, the adjusted R-squared is 0.9077 along with a p-value

of  $2.67e-13$ , which means the model is a good fit. Furthermore, each individual variable is significant at the 0.05 level at the least, and has the expected signs, suggesting the model is significant. After testing for heteroskedasticity using the Breusch-Pagan test, the p-value of 0.4065 suggests that heteroskedasticity is not an issue. To test for multicollinearity, I found the vif's of each variable and since they each are less than 5, multicollinearity is also not a problem. Serial correlation is a problem that is commonly found in time series models and since I used cross-sectional data, I did not test for serial correlation.

The results of equation two after using the 2SLS technique are as follows:

$$\text{Equation 2: } \text{REV} = 0.9151 + 0.2551\text{WP} + .00000708\text{POP} + .000196\text{INCOME} \\ + .000976\text{TWITT}$$

The variable WP can be described as a one point increase in winning percentage raises revenue by \$25,510 per season. For the revenue model, equation 3, the adjusted R-squared is 0.7646, which is high and coupled with the p-value of  $2.404e-08$  suggests that the model is a good fit to the data. Most variables are significant at the 0.05 level at least, with one being significant at the 0.1 level, and each has the expected sign, showing the goodness of fit of the model. I also tested for heteroskedasticity, which is not a problem in my model with a p-value of 0.2777. Testing for multicollinearity, I found vif's less than 5, so that is also not an issue. There was initially bias in this model, but after using the 2SLS technique I was able to correct for that issue.

Full Rstudio results can be found in Tables 6 and 7 in Appendix A.

Below are the MRP calculations used:

$$\text{Equation 3: } \text{MRP}_{\text{hitter}} = 0.3362 * 0.2551 * \text{RUNS} * 1000000$$

$$\text{Equation 4: } \text{MRP}_{\text{pitcher}} = 0.2551 * (571.1223 - 77.021 \text{ERA}) * \text{IP}\% * 1000000$$

A Full table of MRPS for hitters and pitchers can be found in Tables 8 and 9 in Appendix A.

The MRP calculations from my models show some strong trends. First, in regards to hitters, on average, in the 2014 season, teams were overvaluing players. The average differential from MRP versus salary is -\$476,749.87. This means that on average, teams overpaid players by \$476,749.87 on the season. While this result differs from previous studies, there are numerous similarities. Before arbitration, hitters within their first three seasons are grossly underpaid, while hitters in the later years of their contracts are overpaid on a whole. You can see by the tables below that the top 10 overvalued hitters are each veterans that have signed multi-year contracts. In contrast, the majority of the top 10 undervalued hitters are younger players that have not yet reached free-agency and the ability to negotiate contracts. Prince Fielder is the most overpaid hitter with a MRP vs. salary differential of -\$22,369,800 for the 2014 season, while Brian Dozier is the most underpaid player with a differential of \$9,069,600.

**Table 1: Top 10 Overvalued Hitters**

			RUNS	MRP	Salary	Diff
Texas	Rangers	1B Prince	19	\$ (7777)630,200.00	\$ (7777)4,000,000.00	\$ (7777)2,369,800.00
Philadelphia	Phillies	1B Ryan	65	\$ (7777)5,577,000.00	\$ (7777)5,000,000.00	\$ (7777)9,423,000.00
New York	Yankees	1B Mark	56	\$ (7777)8,804,800.00	\$ (7777)3,120,000.00	\$ (7777)8,315,200.00
Minnesota	Twins	1B Joe	60	\$ (7777)5,148,000.00	\$ (7777)3,000,000.00	\$ (7777)7,852,000.00
Seattle	Mariners	2B Robinson	77	\$ (7777)5,606,600.00	\$ (7777)4,000,000.00	\$ (7777)7,393,400.00
New York	Yankees	LF Alfonso	22	\$ (7777)8,887,600.00	\$ (7777)8,000,000.00	\$ (7777)6,112,400.00
Los Angeles	Dodgers	LF Carl	56	\$ (7777)8,804,800.00	\$ (7777)0,250,000.00	\$ (7777)5,445,200.00
New York	Mets	3B David	54	\$ (7777)8,633,200.00	\$ (7777)0,000,000.00	\$ (7777)5,366,800.00
Los Angeles	Angels	1B Albert	89	\$ (7777)8,636,200.00	\$ (7777)3,000,000.00	\$ (7777)5,363,800.00
New York	Yankees	CF Jacoby	71	\$ (7777)5,091,800.00	\$ (7777)1,140,000.00	\$ (7777)5,048,200.00

**Table 2: Top 10 Undervalued Hitters**

			RUNS	MRP	Salary	Diff
Minnesota	Twins	2B Brian	112	\$ (7777)9,609,600.00	\$ (7777)7540,000.00	\$ (7777)9,069,600.00
Los Angeles	Angels	CF Mike	115	\$ (7777)9,867,000.00	\$ (7777)1,000,000.00	\$ (7777)8,867,000.00
Washington	National	3B Anthony	111	\$ (7777)9,523,800.00	\$ (7777)1,800,000.00	\$ (7777)7,723,800.00
Miami	Marlins	LF Christian	94	\$ (7777)8,065,200.00	\$ (7777)7505,000.00	\$ (7777)7,560,200.00
Oakland	Athletics	3B Josh	93	\$ (7777)8,979,400.00	\$ (7777)7500,000.00	\$ (7777)7,479,400.00
Los Angeles	Dodgers	2B Dee	92	\$ (7777)8,893,600.00	\$ (7777)7515,000.00	\$ (7777)7,378,600.00
St. Louis	Cardinals	3B Matt	99	\$ (7777)8,494,200.00	\$ (7777)1,250,000.00	\$ (7777)7,244,200.00
Los Angeles	Angels	RF Kole	90	\$ (7777)8,722,000.00	\$ (7777)7506,000.00	\$ (7777)7,216,000.00
Cincinnati	Reds	3B Todd	88	\$ (7777)8,550,400.00	\$ (7777)7500,000.00	\$ (7777)7,950,400.00

Trends also exist between the teams. For example, teams like the New York Yankees, Boston Red Sox, and Los Angeles Dodgers have an extremely high revenue and use that revenue to overpay for the majority of their players. The teams have the money and are able to sway free-agents away from other teams, because of the high offers they can afford. On the opposite end, teams like the Houston Astros and Miami Marlins operate on a smaller budget, and are thus forced to be shrewd with their funds, causing the players on their teams to be underpaid. There is evidence to suggest that the teams with larger budgets, overpaying for hitters, performed better



during the 2014 season than the teams with undervalued players, meaning the more efficient valuation of players seems to have no affect on winning. To illustrate this, the Dodgers and Yankees both finished better in their respective divisions than the Astros, Marlins, and Twins. And to further emphasize this point, the San Francisco Giants, with the third highest budget, overpaying on average \$756,777.69 per player, was the team that won the World Series. Table 3 outlines the average differential between MRP and salary for each MLB team.

**Table 3: Team MRP vs. Salary Averages**

Team	Hitter MRP	Hitter Dif	Hitter Average	Pitcher Dif	Pitcher Average	Overall Average	Overall MRP	Overall Dif
New York Yankees	\$4,453,447.62	\$15,701.64	\$2,484,574.63					
Los Angeles Dodgers	\$3,321,416.67	\$1,128,043.56	\$2,224,730.11					
Philadelphia Phillies	\$1,519,841.18	\$1,379,014.70	\$1,449,427.94					
Detroit Tigers	\$1,111,282.35	\$1,285,535.78	\$1,198,409.07					
Texas Rangers	\$2,097,817.37	\$336,637.76	\$880,589.80					
Boston Red Sox	\$1,790,536.50	\$207,796.62	\$791,369.94					
San Francisco Giants	\$868,777.27	\$644,778.10	\$756,777.69					
Toronto Blue Jays	\$695,739.58	\$87,167.71	\$515,714.07					
St. Louis Cardinals	\$1,070,687.50	\$254,056.21	\$91,684.36					
Washington Nationals	\$1,264,172.63	\$682,673.20	\$209,250.29					
Arizona Diamondbacks	\$447,983.10	\$961,173.52	\$256,595.21					
Los Angeles Angels	\$641,949.74	\$1,209,736.41	\$283,893.34					
Colorado Rockies	\$15,208.47	\$17,329.33	\$16,268.90					
Cincinnati Reds	\$330,426.67	\$1,127,005.96	\$398,289.65					
Milwaukee Brewers	\$92,793.75	\$1,260,955.58	\$584,080.91					
Atlanta Braves	\$1,325,690.63	\$2,653,544.05	\$563,926.71					
Seattle Mariners	\$414,940.11	\$1,863,409.30	\$724,234.60					
Minnesota Twins	\$52,121.74	\$389,162.45	\$20,642.10					
Baltimore Orioles	\$776,289.47	\$2,452,725.70	\$338,218.11					
Chicago White Sox	\$407,372.38	\$1,814,585.68	\$1,110,979.03					
Chicago Cubs	\$1,239,310.53	\$1,101,267.08	\$1,170,288.80					
San Diego Padres	\$8,641.90	\$2,289,922.75	\$1,189,282.33					
Pittsburgh Pirates	\$61,482.63	\$1,975,047.45	\$1,218,265.04					
Oakland Athletics	\$511,738.14	\$1,845,100.55	\$1,228,419.35					
Tampa Bay Rays	\$32,757.63	\$1,806,293.86	\$1,269,525.74					
Cleveland Indians	\$253,509.52	\$2,851,761.03	\$1,299,125.75					
Kansas City Royals	\$544,806.20	\$1,982,404.20	\$1,313,605.20					
New York Mets	\$174,071.67	\$2,883,495.64	\$1,354,711.99					
Houston Astros	\$1,878,970.59	\$1,717,649.40	\$1,798,309.99					
Miami Marlins	\$1,493,937.50	\$1,177,396.47	\$2,335,666.99					

Contrary to the valuation of hitters, the models suggest that pitchers are on average undervalued. To be specific, pitchers are underpaid on average by \$1,155,191.27. This is in contrast to former studies that have found pitchers on a whole are overpaid. It does support the idea that veteran pitchers are grossly overpaid. As you can see from Table 4 below, the majority of the overpaid players are those that have been in the league for years and have entered into multiyear contracts. The player overvalued by the largest amount is CC Sabathia, at \$21,671,870.87.

**Table 4: Top 10 Overvalued Pitchers**

		ERA	MRP	Salary	Diff
New York Yankees	CC Sabathia	5.28	\$328,129.13	\$23,000,000.00	\$21,671,870.87
Philadelphia Phillies	Cliff Lee	3.65	\$108,647.30	\$25,000,000.00	\$20,913,352.70
San Francisco Giants	Matt Cain	4.18	\$195,248.40	\$21,000,000.00	\$17,047,512.60
New York Yankees	Masahiro Tanaka	2.77	\$154,932.81	\$22,000,000.00	\$13,451,067.19
Los Angeles Dodgers	Zack Greinke	2.71	\$2,760,245.62	\$26,000,000.00	\$13,239,754.38
Pittsburgh Pirates	Wandy Rodriguez	6.75	\$35,152.48	\$3,000,000.00	\$2,764,847.52
Detroit Tigers	Justin Verlander	4.54	\$103,556.13	\$20,000,000.00	\$11,996,443.87
San Francisco Giants	Tim Lincecum	4.74	\$629,776.43	\$17,000,000.00	\$11,370,223.57
Chicago Cubs	Edwin Jackson	6.33	\$2,043,071.45	\$3,000,000.00	\$10,956,928.55
Philadelphia Phillies	Cole Hamels	2.46	\$13,541,804.91	\$23,500,000.00	\$9,958,195.09

The top undervalued players are those that have yet to reach free-agency.

Corey Kluber is the most undervalued pitcher with a MRP vs. salary differential of \$15,146,567.86

**Table 5: Top 10 Undervalued Pitchers**

		ERA	MRP	Salary	Diff
Cleveland Indians	Corey Kluber	2.44	\$5,660,567.86	\$14,000.00	\$5,146,567.86
Atlanta Braves	Julio Teheran	2.89	\$3,504,605.79	\$800,000.00	\$2,704,605.79
St. Louis Cardinals	Lance Lynn	2.74	\$2,888,736.95	\$35,000.00	\$2,353,736.95
Oakland Athletics	Sonny Gray	3.08	\$2,749,521.53	\$2,500.00	\$2,247,021.53
Houston Astros	Dallas Keuchel	2.93	\$2,254,831.24	\$8,700.00	\$1,746,131.24
Washington Nationals	Tanner Roark	2.85	\$2,092,105.70	\$106,100.00	\$1,586,005.70
Miami Marlins	Henderson Alvarez	2.65	\$2,014,858.75	\$25,400.00	\$1,489,458.75
Baltimore Orioles	Chris Tillman	3.34	\$1,349,152.01	\$46,000.00	\$1,083,152.01
Chicago White Sox	Jose Quintana	3.32	\$1,173,071.48	\$850,000.00	\$323,071.48
San Diego Padres	Tyson Ross	2.81	\$2,280,723.69	\$1,980,000.00	\$300,723.69

Similarly with hitters, teams with larger budgets are more likely to overpay for a player while those on smaller budgets are underpaying.

## Conclusion

In conclusion, I found that on average, teams are undervaluing players by \$357,836.64. Young players are taken advantage of by teams, and paid less than their respective MRPs. There are a couple reasons to explain this phenomenon. First, these players have yet to reach the sixth year when the MLB has stated that they can become free agents and actively entertain contract offers from various teams. Up until that point in time, teams will try to negotiate large, multiyear contracts with players before the sixth season in order to keep the player happy, but usually only in cases where the team and the player are a good symbiotic fit. With that being said, teams will wait to extend the large contract offers until the player has proven his worth and value.

The players that are overpaid tend to be those nearing the end of their careers who have the multiyear deals with teams. In some cases, such as CC Sabathia, the most overvalued pitcher, injuries had a large part in his season

performance. He battled right knee injuries the whole 2014 season and also some personal issues that he addressed following the 2015 season. He was already locked into a massive salary for the Yankees and underperformed for the specific season I measured. Injuries are one of the uncontrollable factors that affect players independent of the amount of money they are earning. This issue brings me to one of the limitations of my model. If I were to do this study again and have more time and resources, I would use a panel data model to look at the different players' statistics over a period of time. This would help adjust for the unique oddities of certain seasons and the unpredicted variables such as injuries and slumps. By running panel data in the regression, I would have a more reliable long-term view of player valuation. By solely looking at one season, it also neglects to show what the player has given to the team over the years in terms of reliability and value. This segues into another limitation with the model. There is really no way to even measure the impact a player has had on a team throughout the years. For example, 2014 was the last year of Derek Jeter's storied 20-season career, all with one team, the New York Yankees. The model has no way of quantifying the love Yankees fans felt for Jeter or the continuity and dependability he gave the team over the years. It also has no way of seeing into the locker room and determining if a player is a good teammate, or a veteran leader, causing a team to pay a higher salary. In that 2014 season, the Yankees experienced increased attendance at all games just because it was Jeter's final season and a last chance for fans to see their beloved captain in action. While his statistics were not as stellar in that year as they were in the past, he added an unquantifiable value to the team during that season. Since the model

has no way of gauging the effect Jeter's last year had on team revenues, it leaves a question about the reliability of the \$7,967,400 the team overpaid for him. The model strictly looks at the statistics, not the intangible personality characteristics, or special circumstances surrounding players. So another explanation for teams overpaying for older players is that they are paying for the experience and the leadership the player provides the team that the statistical lines will fail to capture.

Along the same lines, the model fails to measure the effect a player can have on the city as a whole. For example, looking at the NBA, LeBron James of the Cleveland Cavaliers provides an invaluable amount of publicity, revenues for business, and all around hope for a city. Those factors are impossible to quantify and truly define the impact certain star players have. Overall, although the model has various limitations, it is in fact a good starting point to analyze the value of players and a way to get an overall picture of the industry of Major League Baseball.

When I started off with this study, I was expecting to see data showing that teams who were able to allocate funds the most efficiently and not overpay for players would be the teams experiencing the greatest amount of success. I then hoped to use that data to help teams apportion their money to pay players according to value, thus creating a better performing team. Ultimately, what I found in the results however, was that teams paying players according to value truly have no advantage over teams overpaying. The results suggest that teams can in fact "buy" a championship, illustrated by the San Francisco Giants. Now of course, this just shows a picture for the 2014 season, and doing a panel data study as aforementioned would give a more accurate depiction of the dilemma small budget

teams face. Another issue I hoped to bring clarity to was the perception that professional baseball players are overpaid. This is a hot button topic in today's society. I found that on average, players are being underpaid. Although it would be ideal if teams could decrease salaries to better apportion pay for value, it is an unrealistic hope. Baseball is a business, and teams are constantly looking for a leg up on the competition. As this study shows, teams can "buy" a championship, and as long as that is still the case, teams will continue to overpay for players.

## Appendix A

**Table 6: Winning Percentage Rstudio Results**

	Estimate	Std. Error	t-value	Pr(> t )	Signif
(Intercept)	571.1223	45.9201	12.437	3.32E-12	***
RUNS	0.3362	0.0933	3.603	0.00136	**
ERA	-77.021	12.3297	-6.247	1.55E-06	***
CONT	24.8452	11.4593	2.168	0.03987	*
OUT	-29.473	10.7184	-2.75	1.09E-02	*

Signif codes: 0'\*\*\*' 0.00 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

F-Statistic: 72.31 on 4 and 25 DF  
p-value: 2.67e-13  
Adjusted R-squared: 0.9077

**Table 7: Revenue Rstudio Results**

	Estimate	Std. Error	t-value	Pr(> t )	Signif
(Intercept)	0.9151	61.38	0.015	9.88E-01	
WP	0.2551	0.15	2.219	0.0358	*
POP	7.08E-06	3.35E-06	2.113	4.48E-02	*

TWIT	1.96E-04	2.70E-05	7.267	1.29E-07	***
INCOME	9.76E-04	5.18E-04	1.884	0.0712	.

Signif codes: 0'\*\*\*' 0.00 '\*\*' 0.01\*' 0.05!' 0.1' ' 1

F-Statistic: 24.55 on 4 and 25 DF  
p-value: 2.404e-08  
Adjusted R-squared: 0.7646

**Table 8: Hitter MRP**

		RUNS	MRP	Salary	Diff
	<b>Baltimore Orioles</b>				
LF	Steve Pearce	51	\$4,375,800.00	\$700,000.00	\$3,675,800.00
	Jonathan				
2B	Schoop	48	\$4,118,400.00	\$500,500.00	\$3,617,900.00
	Manny				
3B	Machado	38	\$3,260,400.00	\$519,000.00	\$2,741,400.00
2B	Ryan Flaherty	33	\$2,831,400.00	\$512,500.00	\$2,318,900.00
LF	Delmon Young	27	\$2,316,600.00	\$1,000,000.00	\$1,316,600.00
3B	Jimmy Paredes*	9	\$772,200.00	\$335,000.00	\$437,200.00
	Alejandro De				
LF	Aza*	11	\$943,800.00	\$595,000.00	\$348,800.00
C	Steve Clevenger	8	\$686,400.00	\$505,000.00	\$181,400.00
3B	Kelly Johnson*	7	\$600,600.00	\$540,000.00	\$60,600.00
	Steve				
2B	Lombardozi	6	\$514,800.00	\$517,500.00	\$(2,700.00)
LF	Quintin Berry	3	\$257,400.00	\$500,000.00	\$(242,600.00)
2B	Jemile Weeks	2	\$171,600.00	\$515,000.00	\$(343,400.00)
LF	Nelson Cruz	87	\$7,464,600.00	\$8,000,000.00	\$(535,400.00)
C	Nick Hundley*	17	\$1,458,600.00	\$2,400,000.00	\$(941,400.00)
SS	JJ Hardy	56	\$4,804,800.00	\$7,000,000.00	\$(2,195,200.00)
1B	Chris Davis	65	\$5,577,000.00	\$10,350,000.00	\$(4,773,000.00)

CF	Adam Jones	88	\$7,550,400.00	\$13,330,000.00	\$(5,779,600.00)
C	Matt Wieters	13	\$1,115,400.00	\$7,700,000.00	\$(6,584,600.00)
RF	Nick Markakis	81	\$6,949,800.00	\$15,000,000.00	\$(8,050,200.00)
				<b>Total</b>	<b>\$(14,749,500.00)</b>
				<b>Average</b>	<b>\$(776,289.47)</b>
	<b>Boston Red Sox</b>				
2B	Brock Holt	68	\$5,834,400.00	\$500,000.00	\$5,334,400.00
SS	Xander Bogaerts	60	\$5,148,000.00	\$517,000.00	\$4,631,000.00
CF	Jackie Bradley Jr	45	\$3,861,000.00	\$502,000.00	\$3,359,000.00
RF	Daniel Nava	41	\$3,517,800.00	\$556,500.00	\$2,961,300.00
	Grady				
LF	Sizemore*	14	\$1,201,200.00	\$345,000.00	\$856,200.00
	Will				
3B	Middlebrooks	14	\$1,201,200.00	\$540,000.00	\$661,200.00
RF	Allen Craig*	7	\$600,600.00	\$632,500.00	\$(31,900.00)
3B	Kelly Johnson	1	\$85,800.00	\$270,000.00	\$(184,200.00)
1B	Mike Carp*	9	\$772,200.00	\$994,000.00	\$(221,800.00)
CF	Rusney Castillo	6	\$514,800.00	\$871,430.00	\$(356,630.00)
	Jonathan				
2B	Herrera	10	\$858,000.00	\$1,300,000.00	\$(442,000.00)
	Yoenis				
LF	Cespedes*	27	\$2,316,600.00	\$3,570,000.00	\$(1,253,400.00)
LF	Jonny Gomes*	22	\$1,887,600.00	\$3,500,000.00	\$(1,612,400.00)
C	David Ross	16	\$1,372,800.00	\$3,100,000.00	\$(1,727,200.00)
SS	Stephen Drew*	11	\$943,800.00	\$4,646,000.00	\$(3,702,200.00)
C	AJ Pierzynski*	19	\$1,630,200.00	\$5,857,500.00	\$(4,227,300.00)
2B	Dustin Pedroia	72	\$6,177,600.00	\$12,500,000.00	\$(6,322,400.00)
DH	David Ortiz	59	\$5,062,200.00	\$15,000,000.00	\$(9,937,800.00)
1B	Mike Napoli	49	\$4,204,200.00	\$16,000,000.00	\$(11,795,800.00)
RF	Shane Victorino	14	\$1,201,200.00	\$13,000,000.00	\$(11,798,800.00)
				<b>Total</b>	<b>\$(35,810,730.00)</b>
				<b>Average</b>	<b>\$(1,790,536.50)</b>
	<b>New York Yankees</b>				
	Yangervis				
3B	Solarte*	26	\$2,230,800.00	\$285,000.00	\$1,945,800.00
LF	Brett Gardner	87	\$7,464,600.00	\$5,600,000.00	\$1,864,600.00
2B	Brian Roberts	40	\$3,432,000.00	\$2,000,000.00	\$1,432,000.00
	Francisco				
C	Cervelli	18	\$1,544,400.00	\$700,000.00	\$844,400.00
	John Ryan				
C	Murphy	7	\$600,600.00	\$502,700.00	\$97,900.00
CF	Eury Perez	2	\$171,600.00	\$500,000.00	\$(328,400.00)



LF	Zoilo Almonte	2	\$171,600.00	\$511,300.00	\$(339,700.00)
C	Austin Romine	2	\$171,600.00	\$524,800.00	\$(353,200.00)
LF	Chris Young*	9	\$772,200.00	\$1,522,500.00	\$(750,300.00)
3B	Kelly Johnson	21	\$1,801,800.00	\$3,000,000.00	\$(1,198,200.00)
3B	Martin Prado*	18	\$1,544,400.00	\$2,860,000.00	\$(1,315,600.00)
SS	Brendan Ryan	5	\$429,000.00	\$2,000,000.00	\$(1,571,000.00)
RF	Ichiro Suzuki	42	\$3,603,600.00	\$6,500,000.00	\$(2,896,400.00)
2B	Stephen Drew*	7	\$600,600.00	\$5,454,000.00	\$(4,853,400.00)
	Chease				
3B	Headley*	28	\$2,402,400.00	\$7,897,500.00	\$(5,495,100.00)
SS	Derek Jeter	47	\$4,032,600.00	\$12,000,000.00	\$(7,967,400.00)
RF	Carlos Beltran	46	\$3,946,800.00	\$15,000,000.00	\$(11,053,200.00)
C	Brian McCann	57	\$4,890,600.00	\$17,000,000.00	\$(12,109,400.00)
CF	Jacoby Ellsbury	71	\$6,091,800.00	\$21,140,000.00	\$(15,048,200.00)
LF	Alfonso Soriano	22	\$1,887,600.00	\$18,000,000.00	\$(16,112,400.00)
1B	Mark Teixeira	56	\$4,804,800.00	\$23,120,000.00	\$(18,315,200.00)
				<b>Total</b>	<b>\$(93,522,400.00)</b>
				<b>Average</b>	<b>\$(4,453,447.62)</b>

**Tampa Bay Rays**

Desmond

LF	Jennings	64	\$5,491,200.00	\$517,000.00	\$4,974,200.00
RF	Wil Myers	37	\$3,174,600.00	\$500,000.00	\$2,674,600.00
LF	Brandon Guyer	37	\$3,174,600.00	\$501,200.00	\$2,673,400.00
CF	Kevin Kiermaier	35	\$3,003,000.00	\$500,000.00	\$2,503,000.00
1B	James Loney	59	\$5,062,200.00	\$2,670,000.00	\$2,392,200.00
2B	Logan Forsythe	32	\$2,745,600.00	\$509,700.00	\$2,235,900.00
2B	Sean Rodriguez	30	\$2,574,000.00	\$1,480,000.00	\$1,094,000.00
LF	Matt Joyce	51	\$4,375,800.00	\$3,700,000.00	\$675,800.00
SS	Nick Franklin*	4	\$343,200.00	\$198,978.00	\$144,222.00
2B	Ben Zobrist	83	\$7,121,400.00	\$7,000,000.00	\$121,400.00
3B	Evan Longoria	83	\$7,121,400.00	\$7,500,000.00	\$(378,600.00)
LF	Jerry Sands	1	\$85,800.00	\$500,000.00	\$(414,200.00)
C	Ryan Hanigan	18	\$1,544,400.00	\$2,750,000.00	\$(1,205,600.00)
C	Jose Molina	4	\$343,200.00	\$1,750,000.00	\$(1,406,800.00)
SS	Yunel Escobar	33	\$2,831,400.00	\$5,000,000.00	\$(2,168,600.00)
LF	David DeJesus	24	\$2,059,200.00	\$4,250,000.00	\$(2,190,800.00)
				<b>Total</b>	<b>\$11,724,122.00</b>
				<b>Average</b>	<b>\$732,757.63</b>

**Toronto Blue Jays**

Munenori

2B	Kawasaki	31	\$2,659,800.00	\$500,000.00	\$2,159,800.00
CF	Anthony Gose	31	\$2,659,800.00	\$500,000.00	\$2,159,800.00

3B	Juan Francisco	40	\$3,432,000.00	\$1,350,000.00	\$2,082,000.00
3B	Brett Lawrie	27	\$2,316,600.00	\$516,100.00	\$1,800,500.00
CF	Kevin Pillar	19	\$1,630,200.00	\$500,000.00	\$1,130,200.00
	Danny				
3B	Valencia*	12	\$1,029,600.00	\$308,850.00	\$720,750.00
2B	Ryan Goins	14	\$1,201,200.00	\$501,900.00	\$699,300.00
C	Dioner Navarro	40	\$3,432,000.00	\$3,000,000.00	\$432,000.00
C	Erik Kratz*	8	\$686,400.00	\$367,344.00	\$319,056.00
RF	Moises Sierra*	2	\$171,600.00	\$70,658.00	\$100,942.00
	Darin				
CF	Mastroianni*	4	\$343,200.00	\$335,000.00	\$8,200.00
C	Josh Thole	11	\$943,800.00	\$1,250,000.00	\$(306,200.00)
RF	Nolan Reimold	3	\$257,400.00	\$1,020,000.00	\$(762,600.00)
LF	Melky Cabrera	81	\$6,949,800.00	\$8,000,000.00	\$(1,050,200.00)
	Edwin				
1B	Encarnacion	75	\$6,435,000.00	\$9,000,000.00	\$(2,565,000.00)
CF	Colby Rasmus	45	\$3,861,000.00	\$7,000,000.00	\$(3,139,000.00)
1B	Adam Lind	38	\$3,260,400.00	\$7,000,000.00	\$(3,739,600.00)
RF	Jose Bautista	101	\$8,665,800.00	\$14,000,000.00	\$(5,334,200.00)
SS	Jose Reyes	94	\$8,065,200.00	\$16,000,000.00	\$(7,934,800.00)

**Total**      **\$(13,219,052.00)**  
**Average**      **\$(695,739.58)**

**Chicago White Sox**

CF	Adam Eaton	76	\$6,520,800.00	\$511,000.00	\$6,009,800.00
3B	Conor Gillaspie	50	\$4,290,000.00	\$512,000.00	\$3,778,000.00
RF	Dayan Viciedo	65	\$5,577,000.00	\$2,800,000.00	\$2,777,000.00
C	Tyler Flowers	42	\$3,603,600.00	\$950,000.00	\$2,653,600.00
3B	Marcus Semien	30	\$2,574,000.00	\$500,000.00	\$2,074,000.00
RF	Moises Sierra*	20	\$1,716,000.00	\$434,042.00	\$1,281,958.00
2B	Avisail Garcia	19	\$1,630,200.00	\$510,000.00	\$1,120,200.00
2B	Leury Garcia	13	\$1,115,400.00	\$505,500.00	\$609,900.00
	Gordon				
2B	Beckham*	43	\$3,689,400.00	\$3,336,000.00	\$353,400.00
	Alejandro De				
LF	Aza*	45	\$3,861,000.00	\$3,655,000.00	\$206,000.00
C	Josh Phegley	4	\$343,200.00	\$500,000.00	\$(156,800.00)
LF	Michael Taylor	3	\$257,400.00	\$502,500.00	\$(245,100.00)
1B	Paul Konerko	15	\$1,287,000.00	\$2,500,000.00	\$(1,213,000.00)
1B	Jose Abreu	80	\$6,864,000.00	\$8,670,000.00	\$(1,806,000.00)
SS	Alexei Ramirez	82	\$7,035,600.00	\$9,500,000.00	\$(2,464,400.00)
1B	Adam Dunn*	43	\$3,689,400.00	\$12,150,000.00	\$(8,460,600.00)

**Total**      **\$6,517,958.00**

				<b>Average</b>	<b>\$407,372.38</b>
<b>Cleveland Indians</b>					
Michael					
LF	Brantley	94	\$8,065,200.00	\$2,380,000.00	\$5,685,200.00
Lonnie					
3B	Chisenhall	62	\$5,319,600.00	\$510,800.00	\$4,808,800.00
C	Yan Gomes	61	\$5,233,800.00	\$550,000.00	\$4,683,800.00
2B	Jason Kipnis	61	\$5,233,800.00	\$2,170,000.00	\$3,063,800.00
1B	Carlos Santana	68	\$5,834,400.00	\$3,500,000.00	\$2,334,400.00
SS	Jose Ramirez	27	\$2,316,600.00	\$500,000.00	\$1,816,600.00
2B	Zach Walters*	9	\$772,200.00	\$240,000.00	\$532,200.00
C	Roberto Perez	10	\$858,000.00	\$500,000.00	\$358,000.00
LF	JB Shuck*	2	\$171,600.00	\$216,300.00	\$(44,700.00)
CF	Tyler Holt	4	\$343,200.00	\$500,000.00	\$(156,800.00)
LF	Mike Aviles	38	\$3,260,400.00	\$3,500,000.00	\$(239,600.00)
CF	Nyjer Morgan	8	\$686,400.00	\$1,000,000.00	\$(313,600.00)
1B	Jesus Aguilar	2	\$171,600.00	\$500,000.00	\$(328,400.00)
SS	Jusitn Sellers	1	\$85,800.00	\$504,000.00	\$(418,200.00)
LF	Ryan Raburn	18	\$1,544,400.00	\$2,250,000.00	\$(705,600.00)
DH	Jason Giambi	3	\$257,400.00	\$1,000,000.00	\$(742,600.00)
2B	Elliot Johnson	1	\$85,800.00	\$930,000.00	\$(844,200.00)
Asdrubal					
SS	Cabrera*	54	\$4,633,200.00	\$6,600,000.00	\$(1,966,800.00)
LF	David Murphy	40	\$3,432,000.00	\$5,500,000.00	\$(2,068,000.00)
CF	Michael Bourn	57	\$4,890,600.00	\$13,500,000.00	\$(8,609,400.00)
1B	Nick Swisher	33	\$2,831,400.00	\$15,000,000.00	\$(12,168,600.00)
				<b>Total</b>	<b>\$(5,323,700.00)</b>
				<b>Average</b>	<b>\$(253,509.52)</b>
<b>Detroit Tigers</b>					
RF	JD Martinez	57	\$4,890,600.00	\$500,000.00	\$4,390,600.00
3B	Nick Castellanos	50	\$4,290,000.00	\$500,000.00	\$3,790,000.00
SS	Eugenio Suarez	33	\$2,831,400.00	\$500,000.00	\$2,331,400.00
3B	Andrew Romine	30	\$2,574,000.00	\$504,000.00	\$2,070,000.00
3B	Don Kelly	24	\$2,059,200.00	\$1,000,000.00	\$1,059,200.00
C	Bryan Holaday	14	\$1,201,200.00	\$502,000.00	\$699,200.00
CF	Austin Jackson*	52	\$4,461,600.00	\$3,900,000.00	\$561,600.00
CF	Ezequiel Carrera	12	\$1,029,600.00	\$500,000.00	\$529,600.00
CF	Rajai Davis	64	\$5,491,200.00	\$5,000,000.00	\$491,200.00
SS	Danny Worth	5	\$429,000.00	\$500,000.00	\$(71,000.00)
C	Alex Avila	44	\$3,775,200.00	\$4,150,000.00	\$(374,800.00)
2B	Hernan Perez	1	\$85,800.00	\$500,000.00	\$(414,200.00)
SS	Alex Gonzalez	4	\$343,200.00	\$1,100,000.00	\$(756,800.00)

DH	Victor Martinez	87	\$7,464,600.00	\$12,000,000.00	\$(4,535,400.00)
2B	Ian Kinsler	100	\$8,580,000.00	\$16,000,000.00	\$(7,420,000.00)
RF	Torii Hunter	71	\$6,091,800.00	\$14,000,000.00	\$(7,908,200.00)
1B	Miguel Cabrera	101	\$8,665,800.00	\$22,000,000.00	\$(13,334,200.00)
				<b>Total</b>	<b>\$(18,891,800.00)</b>
				<b>Average</b>	<b>\$(1,111,282.35)</b>

**Kansas City  
Royals**

CF	Lorenzo Cain	55	\$4,719,000.00	\$546,000.00	\$4,173,000.00
RF	Nori Aoki	63	\$5,405,400.00	\$1,950,000.00	\$3,455,400.00
C	Salvador Perez	57	\$4,890,600.00	\$1,500,000.00	\$3,390,600.00
SS	Alcides Escobar	74	\$6,349,200.00	\$3,000,000.00	\$3,349,200.00
3B	Mike Moustakas	45	\$3,861,000.00	\$549,000.00	\$3,312,000.00
RF	Jarrod Dyson	33	\$2,831,400.00	\$530,000.00	\$2,301,400.00
1B	Eric Hosmer	54	\$4,633,200.00	\$3,600,000.00	\$1,033,200.00
	Danny				
3B	Valencia*	8	\$686,400.00	\$223,650.00	\$462,750.00
C	Erik Kratz*	4	\$343,200.00	\$142,856.00	\$200,344.00
	Johnny				
2B	Giavotella	8	\$686,400.00	\$508,570.00	\$177,830.00
3B	Jimmy Paredes*	3	\$257,400.00	\$150,000.00	\$107,400.00
2B	Pedro Ciriaco	7	\$600,600.00	\$513,500.00	\$87,100.00
C	Brett Hayes	3	\$257,400.00	\$630,000.00	\$(372,600.00)
LF	Carlos Peguero	1	\$85,800.00	\$500,000.00	\$(414,200.00)
LF	Rual Ibanez*	7	\$600,600.00	\$1,017,500.00	\$(416,900.00)
	Josh				
LF	Willingham*	14	\$1,201,200.00	\$1,820,000.00	\$(618,800.00)
2B	Omar Infante	50	\$4,290,000.00	\$5,000,000.00	\$(710,000.00)
CF	Justin Maxwell	4	\$343,200.00	\$1,320,000.00	\$(976,800.00)
LF	Alex Gordon	87	\$7,464,600.00	\$10,000,000.00	\$(2,535,400.00)
DH	Billy Butler	57	\$4,890,600.00	\$8,000,000.00	\$(3,109,400.00)
				<b>Total</b>	<b>\$12,896,124.00</b>
				<b>Average</b>	<b>\$644,806.20</b>

**Minnesota  
Twins**

2B	Brian Dozier	112	\$9,609,600.00	\$540,000.00	\$9,069,600.00
SS	Danny Santana	70	\$6,006,000.00	\$500,000.00	\$5,506,000.00
	Eduardo				
SS	Escobar	52	\$4,461,600.00	\$507,500.00	\$3,954,100.00
3B	Trevor Plouffe	69	\$5,920,200.00	\$2,350,000.00	\$3,570,200.00
LF	Oswaldo Arcia	46	\$3,946,800.00	\$512,500.00	\$3,434,300.00
RF	Chris Parmelee	27	\$2,316,600.00	\$500,000.00	\$1,816,600.00
1B	Kennys Vargas	26	\$2,230,800.00	\$500,000.00	\$1,730,800.00

3B	Eduardo Nunez	26	\$2,230,800.00	\$576,900.00	\$1,653,900.00
C	Josmil Pinto	25	\$2,145,000.00	\$500,000.00	\$1,645,000.00
CF	Aaron Hicks	22	\$1,887,600.00	\$507,500.00	\$1,380,100.00
	Josh				
LF	Willingham*	34	\$2,917,200.00	\$1,680,000.00	\$1,237,200.00
CF	Jardan Schafer*	17	\$1,458,600.00	\$425,100.00	\$1,033,500.00
1B	Chris Colabello	17	\$1,458,600.00	\$505,000.00	\$953,600.00
CF	Sam Fuld*	15	\$1,287,000.00	\$704,000.00	\$583,000.00
C	Eric Fryer	11	\$943,800.00	\$500,000.00	\$443,800.00
C	Kurt Suzuki	37	\$3,174,600.00	\$2,750,000.00	\$424,600.00
C	Chris Herrmann	8	\$686,400.00	\$500,000.00	\$186,400.00
	Darin				
LF	Mastroianni*	3	\$257,400.00	\$165,000.00	\$92,400.00
SS	Pedro Florimon	7	\$600,600.00	\$517,500.00	\$83,100.00
SS	Jason Bartlett	3	\$257,400.00	\$1,000,000.00	\$(742,600.00)
LF	Jason Kubel	12	\$1,029,600.00	\$2,000,000.00	\$(970,400.00)
	Kendrys				
1B	Morales*	12	\$1,029,600.00	\$2,964,000.00	\$(1,934,400.00)
1B	Joe Mauer	60	\$5,148,000.00	\$23,000,000.00	\$(17,852,000.00)
				<b>Total</b>	<b>\$17,298,800.00</b>
				<b>Average</b>	<b>\$752,121.74</b>
	<b>Houston Astros</b>				
2B	Jose Altuve	85	\$7,293,000.00	\$1,250,000.00	\$6,043,000.00
1B	Chris Carter	68	\$5,834,400.00	\$510,000.00	\$5,324,400.00
	Matt				
3B	Dominguez	51	\$4,375,800.00	\$510,100.00	\$3,865,700.00
RF	George Springer	45	\$3,861,000.00	\$500,000.00	\$3,361,000.00
	Robbie				
LF	Grossman	42	\$3,603,600.00	\$504,500.00	\$3,099,100.00
	Marwin				
SS	Gonzalez	33	\$2,831,400.00	\$504,500.00	\$2,326,900.00
SS	Jonathan Villar	31	\$2,659,800.00	\$503,800.00	\$2,156,000.00
1B	Jon Singleton	42	\$3,603,600.00	\$1,500,000.00	\$2,103,600.00
C	Carlos Corporan	22	\$1,887,600.00	\$505,300.00	\$1,382,300.00
LF	Alex Presley	22	\$1,887,600.00	\$511,500.00	\$1,376,100.00
C	Jason Castro	43	\$3,689,400.00	\$2,450,000.00	\$1,239,400.00
CF	Jake Marisnick*	18	\$1,544,400.00	\$390,000.00	\$1,154,400.00
1B	Marc Krauss	16	\$1,372,800.00	\$502,300.00	\$870,500.00
LF	LJ Hoes	12	\$1,029,600.00	\$502,900.00	\$526,700.00
C	Max Stassi	2	\$171,600.00	\$500,000.00	\$(328,400.00)
1B	Jesus Guzman	10	\$858,000.00	\$1,300,000.00	\$(442,000.00)
CF	Dexter Fowler	61	\$5,233,800.00	\$7,350,000.00	\$(2,116,200.00)
				<b>Total</b>	<b>\$31,942,500.00</b>

				Average	\$1,878,970.59
<b>Los Angeles Angels</b>					
CF	Mike Trout	115	\$9,867,000.00	\$1,000,000.00	\$8,867,000.00
RF	Kole Calhoun	90	\$7,722,000.00	\$506,000.00	\$7,216,000.00
LF	Collin Cowgill	37	\$3,174,600.00	\$506,000.00	\$2,668,600.00
1B	CJ Cron	28	\$2,402,400.00	\$500,000.00	\$1,902,400.00
C	Hank Conger	24	\$2,059,200.00	\$517,500.00	\$1,541,700.00
1B	Efren Navarro	17	\$1,458,600.00	\$500,000.00	\$958,600.00
LF	JB Shuck*	10	\$858,000.00	\$298,700.00	\$559,300.00
CF	Tony Campana*	6	\$514,800.00	\$208,895.00	\$305,905.00
LF	Grant Green	7	\$600,600.00	\$502,250.00	\$98,350.00
Gordon					
2B	Beckham*	10	\$858,000.00	\$1,084,200.00	\$(226,200.00)
3B	Luis Jimenez	3	\$257,400.00	\$500,000.00	\$(242,600.00)
LF	Raul Ibanez*	16	\$1,372,800.00	\$1,732,500.00	\$(359,700.00)
3B	David Freese	53	\$4,547,400.00	\$5,050,000.00	\$(502,600.00)
3B	John McDonald	4	\$343,200.00	\$850,000.00	\$(506,800.00)
C	Chris Iannetta	41	\$3,517,800.00	\$4,970,000.00	\$(1,452,200.00)
SS	Erick Aybar	77	\$6,606,600.00	\$8,500,000.00	\$(1,893,400.00)
2B	Howie Kendrick	85	\$7,293,000.00	\$9,350,000.00	\$(2,057,000.00)
LF	Josh Hamilton	43	\$3,689,400.00	\$17,400,000.00	\$(13,710,600.00)
1B	Albert Pujols	89	\$7,636,200.00	\$23,000,000.00	\$(15,363,800.00)
				<b>Total</b>	<b>\$(12,197,045.00)</b>
				<b>Average</b>	<b>\$(641,949.74)</b>

<b>Oakland Athletics</b>					
3B	Josh Donaldson	93	\$7,979,400.00	\$500,000.00	\$7,479,400.00
C	Derek Norris	46	\$3,946,800.00	\$505,000.00	\$3,441,800.00
2B	Eric Sogard	38	\$3,260,400.00	\$510,000.00	\$2,750,400.00
LF	Craig Gentry	38	\$3,260,400.00	\$1,150,000.00	\$2,110,400.00
1B	Brandon Moss	70	\$6,006,000.00	\$4,099,999.00	\$1,906,001.00
RF	Josh Reddick	53	\$4,547,400.00	\$2,700,000.00	\$1,847,400.00
C	Stephen Vogt	26	\$2,230,800.00	\$502,500.00	\$1,728,300.00
LF	Sam Fuld*	25	\$2,145,000.00	\$424,000.00	\$1,721,000.00
C	John Jaso	42	\$3,603,600.00	\$2,300,000.00	\$1,303,600.00
1B	Nate Freiman	12	\$1,029,600.00	\$500,000.00	\$529,600.00
SS	Andy Parrino	4	\$343,200.00	\$500,000.00	\$(156,800.00)
SS	Jed Lowrie	59	\$5,062,200.00	\$5,250,000.00	\$(187,800.00)
1B	Kyle Blanks*	9	\$772,200.00	\$988,000.00	\$(215,800.00)
1B	Daric Barton	7	\$600,600.00	\$1,250,000.00	\$(649,400.00)
2B	Nick Punto	21	\$1,801,800.00	\$2,750,000.00	\$(948,200.00)
LF	Jonny Gomes*	6	\$514,800.00	\$1,500,000.00	\$(985,200.00)

C	Geovany Soto*	3	\$257,400.00	\$1,769,000.00	\$(1,511,600.00)
	Yoenis				
LF	Cespedes*	62	\$5,319,600.00	\$6,930,000.00	\$(1,610,400.00)
LF	Coco Crisp	68	\$5,834,400.00	\$7,500,000.00	\$(1,665,600.00)
1B	Alberto Callaspo	37	\$3,174,600.00	\$4,880,000.00	\$(1,705,400.00)
1B	Adam Dunn*	6	\$514,800.00	\$2,850,000.00	\$(2,335,200.00)
				<b>Total</b>	<b>\$12,846,501.00</b>
				<b>Average</b>	<b>\$611,738.14</b>

**Seattle  
Mariners**

3B	Kyle Seager	71	\$6,091,800.00	\$540,100.00	\$5,551,700.00
C	Mike Zunino	51	\$4,375,800.00	\$504,100.00	\$3,871,700.00
LF	Dustin Ackley	64	\$5,491,200.00	\$1,700,000.00	\$3,791,200.00
SS	Brad Miller	47	\$4,032,600.00	\$510,100.00	\$3,522,500.00
1B	Logan Morrison	41	\$3,517,800.00	\$1,750,000.00	\$1,767,800.00
	Michael				
RF	Saunders	38	\$3,260,400.00	\$2,300,000.00	\$960,400.00
	Abraham				
CF	Almonte*	10	\$858,000.00	\$230,000.00	\$628,000.00
RF	Chris Denorfia*	11	\$943,800.00	\$585,000.00	\$358,800.00
SS	Nick Franklin*	3	\$257,400.00	\$311,222.00	\$(53,822.00)
C	John Buck*	9	\$772,200.00	\$840,000.00	\$(67,800.00)
C	Jesus Sucre	4	\$343,200.00	\$500,000.00	\$(156,800.00)
1B	Justin Smoak	28	\$2,402,400.00	\$2,640,000.00	\$(237,600.00)
1B	Jesus Montero	1	\$85,800.00	\$500,000.00	\$(414,200.00)
CF	Austin Jackson*	19	\$1,630,200.00	\$2,100,000.00	\$(469,800.00)
	Willie				
SS	Bloomquist	15	\$1,287,000.00	\$2,800,000.00	\$(1,513,000.00)
	Kendrys				
1B	Morales*	16	\$1,372,800.00	\$4,446,000.00	\$(3,073,200.00)
DH	Corey Hart	17	\$1,458,600.00	\$6,000,000.00	\$(4,541,400.00)
2B	Robinson Cano	77	\$6,606,600.00	\$24,000,000.00	\$(17,393,400.00)
				<b>Total</b>	<b>\$(7,468,922.00)</b>
				<b>Average</b>	<b>\$(414,940.11)</b>

**Texas Rangers**

2B	Rougned Odor	39	\$3,346,200.00	\$500,000.00	\$2,846,200.00
	Robinson				
C	Chirinos	36	\$3,088,800.00	\$502,230.00	\$2,586,570.00
CF	Leonys Martin	68	\$5,834,400.00	\$3,750,000.00	\$2,084,400.00
LF	Michael Choice	20	\$1,716,000.00	\$502,000.00	\$1,214,000.00
1B	Adam Rosales	20	\$1,716,000.00	\$750,000.00	\$966,000.00
C	Chris Gimenez*	13	\$1,115,400.00	\$413,100.00	\$702,300.00
RF	Jim Adduci	13	\$1,115,400.00	\$501,000.00	\$614,400.00

SS	Luis Sardinas	12	\$1,029,600.00	\$500,000.00	\$529,600.00
LF	Jake Smolinski	12	\$1,029,600.00	\$500,000.00	\$529,600.00
2B	Donnie Murphy	11	\$943,800.00	\$825,000.00	\$118,800.00
1B	JP Arencibia	20	\$1,716,000.00	\$1,800,000.00	\$(84,000.00)
1B	Mike Carp*	2	\$171,600.00	\$406,000.00	\$(234,400.00)
SS	Elvis Andrus	72	\$6,177,600.00	\$6,470,000.00	\$(292,400.00)
C	Geovany Soto*	5	\$429,000.00	\$1,281,000.00	\$(852,000.00)
1B	Mitch Moreland	18	\$1,544,400.00	\$2,650,000.00	\$(1,105,600.00)
RF	Alex Rios	54	\$4,633,200.00	\$12,500,000.00	\$(7,866,800.00)
LF	Shin-Soo Choo	58	\$4,976,400.00	\$14,000,000.00	\$(9,023,600.00)
3B	Adrian Beltre	79	\$6,778,200.00	\$17,000,000.00	\$(10,221,800.00)
1B	Prince Fielder	19	\$1,630,200.00	\$24,000,000.00	\$(22,369,800.00)
				<b>Total</b>	<b>\$(39,858,530.00)</b>
				<b>Average</b>	<b>\$(2,097,817.37)</b>

**Atlanta Braves**

C	Evan Gattis	41	\$3,517,800.00	\$520,250.00	\$2,997,550.00
	Freddie				
1B	Freeman	93	\$7,979,400.00	\$5,120,000.00	\$2,859,400.00
	Andrelton				
SS	Simmons	44	\$3,775,200.00	\$1,000,000.00	\$2,775,200.00
RF	Jason Heyward	74	\$6,349,200.00	\$4,500,000.00	\$1,849,200.00
2B	Tommy La Stella	22	\$1,887,600.00	\$530,000.00	\$1,357,600.00
	Tyler				
2B	Pastornicky	4	\$343,200.00	\$500,000.00	\$(156,800.00)
LF	Jordan Schafer	9	\$772,200.00	\$1,090,000.00	\$(317,800.00)
	Joey				
RF	Terdoslavich	1	\$85,800.00	\$500,000.00	\$(414,200.00)
LF	Jose Constanza	1	\$85,800.00	\$500,000.00	\$(414,200.00)
C	Gerald Laird	12	\$1,029,600.00	\$1,500,000.00	\$(470,400.00)
3B	Chris Johnson	43	\$3,689,400.00	\$4,750,000.00	\$(1,060,600.00)
2B	Emilio Bonifacio	12	\$1,029,600.00	\$2,500,000.00	\$(1,470,400.00)
LF	Ryan Doumit	11	\$943,800.00	\$3,500,000.00	\$(2,556,200.00)
LF	Justin Upton	77	\$6,606,600.00	\$14,250,000.00	\$(7,643,400.00)
CF	Melvin Upton	67	\$5,748,600.00	\$13,450,000.00	\$(7,701,400.00)
2B	Dan Uggla*	13	\$1,115,400.00	\$11,960,000.00	\$(10,844,600.00)
				<b>Total</b>	<b>\$(21,211,050.00)</b>
				<b>Average</b>	<b>\$(1,325,690.63)</b>

**Miami Marlins**

LF	Christian Yelich	94	\$8,065,200.00	\$505,000.00	\$7,560,200.00
CF	Marcell Ozuna	72	\$6,177,600.00	\$505,000.00	\$5,672,600.00
3B	Casey McGehee	56	\$4,804,800.00	\$1,100,000.00	\$3,704,800.00
	Adeiny				
SS	Hechavarria	53	\$4,547,400.00	\$2,200,000.00	\$2,347,400.00



1B	Garrett Jones	59	\$5,062,200.00	\$2,750,000.00	\$2,312,200.00
2B	Derek Dietrich	31	\$2,659,800.00	\$501,500.00	\$2,158,300.00
3B	Donovan Solano	26	\$2,230,800.00	\$511,500.00	\$1,719,300.00
	Giancarlo				
RF	Stanton	89	\$7,636,200.00	\$6,500,000.00	\$1,136,200.00
2B	Ed Lucas	19	\$1,630,200.00	\$510,000.00	\$1,120,200.00
LF	Reed Johnson	24	\$2,059,200.00	\$1,000,000.00	\$1,059,200.00
1B	Jeff Baker	27	\$2,316,600.00	\$1,600,000.00	\$716,600.00
	Jordany				
2B	Valdespin	8	\$686,400.00	\$500,000.00	\$186,400.00
CF	Jake Marisnick*	3	\$257,400.00	\$110,000.00	\$147,400.00
C	Jeff Mathis	12	\$1,029,600.00	\$1,500,000.00	\$(470,400.00)
	Jarrod				
C	Saltalamacchia	43	\$3,689,400.00	\$6,000,000.00	\$(2,310,600.00)
2B	Rafael Furcal	4	\$343,200.00	\$3,500,000.00	\$(3,156,800.00)
				<b>Total</b>	<b>\$23,903,000.00</b>
				<b>Average</b>	<b>\$1,493,937.50</b>
	<b>New York Mets</b>				
1B	Lucas Duda	74	\$6,349,200.00	\$1,640,000.00	\$4,709,200.00
C	Travis d'Arnaud	48	\$4,118,400.00	\$501,560.00	\$3,616,840.00
CF	Juan Lagares	46	\$3,946,800.00	\$506,640.00	\$3,440,160.00
LF	Eric Young Jr	48	\$4,118,400.00	\$1,850,000.00	\$2,268,400.00
SS	Wilmer Flores	28	\$2,402,400.00	\$500,000.00	\$1,902,400.00
SS	Ruben Tejada	30	\$2,574,000.00	\$1,100,000.00	\$1,474,000.00
	Matt den				
CF	Dekker	23	\$1,973,400.00	\$500,000.00	\$1,473,400.00
2B	Daniel Murphy	79	\$6,778,200.00	\$5,700,000.00	\$1,078,200.00
C	Anthony Recker	18	\$1,544,400.00	\$505,340.00	\$1,039,060.00
1B	Eric Campbell	16	\$1,372,800.00	\$500,000.00	\$872,800.00
	Kirk				
CF	Nieuwenhuis	16	\$1,372,800.00	\$500,000.00	\$872,800.00
1B	Ike Davis*	4	\$343,200.00	\$280,000.00	\$63,200.00
RF	Andrew Brown	6	\$514,800.00	\$538,040.00	\$(23,240.00)
1B	Josh Satin	2	\$171,600.00	\$506,810.00	\$(335,210.00)
C	Juan Centeno	1	\$85,800.00	\$500,000.00	\$(414,200.00)
LF	Chris Young*	31	\$2,659,800.00	\$5,727,500.00	\$(3,067,700.00)
	Curtis				
RF	Granderson	73	\$6,263,400.00	\$13,000,000.00	\$(6,736,600.00)
3B	David Wright	54	\$4,633,200.00	\$20,000,000.00	\$(15,366,800.00)
				<b>Total</b>	<b>\$(3,133,290.00)</b>
				<b>Average</b>	<b>\$(174,071.67)</b>
	<b>Philadelphia</b>				
	<b>Phillies</b>				

LF	Ben Revere	71	\$6,091,800.00	\$1,950,000.00	\$4,141,800.00
LF	Domonic Brown	47	\$4,032,600.00	\$550,000.00	\$3,482,600.00
3B	Cody Asche	43	\$3,689,400.00	\$500,000.00	\$3,189,400.00
	Grady				
RF	Sizemore*	21	\$1,801,800.00	\$405,000.00	\$1,396,800.00
SS	Freddy Galvis	14	\$1,201,200.00	\$500,000.00	\$701,200.00
	Cesar				
SS	Hernandez	13	\$1,115,400.00	\$500,000.00	\$615,400.00
1B	Darin Ruf	13	\$1,115,400.00	\$500,000.00	\$615,400.00
CF	Tony Gwynn	14	\$1,201,200.00	\$900,000.00	\$301,200.00
C	Cameron Rupp	4	\$343,200.00	\$500,000.00	\$(156,800.00)
SS	Jayson Nix*	1	\$85,800.00	\$418,000.00	\$(332,200.00)
	John Mayberry				
LF	Jr*	11	\$943,800.00	\$1,287,900.00	\$(344,100.00)
C	Wil Nieves	9	\$772,200.00	\$1,120,000.00	\$(347,800.00)
RF	Marlon Byrd	71	\$6,091,800.00	\$8,000,000.00	\$(1,908,200.00)
SS	Jimmy Rollins	78	\$6,692,400.00	\$11,000,000.00	\$(4,307,600.00)
C	Carlos Ruiz	43	\$3,689,400.00	\$8,500,000.00	\$(4,810,600.00)
2B	Chase Utley	74	\$6,349,200.00	\$15,000,000.00	\$(8,650,800.00)
1B	Ryan Howard	65	\$5,577,000.00	\$25,000,000.00	\$(19,423,000.00)

**Total** **\$(25,837,300.00)**  
**Average** **\$(1,519,841.18)**

**Washington Nationals**

	Anthony				
3B	Rendon	111	\$9,523,800.00	\$1,800,000.00	\$7,723,800.00
2B	Danny Espinosa	31	\$2,659,800.00	\$540,580.00	\$2,119,220.00
CF	Denard Span	94	\$8,065,200.00	\$6,500,000.00	\$1,565,200.00
RF	Bryce Harper	41	\$3,517,800.00	\$2,150,000.00	\$1,367,800.00
C	Wilson Ramos	32	\$2,745,600.00	\$2,100,000.00	\$645,600.00
C	Jose Lobaton	18	\$1,544,400.00	\$900,000.00	\$644,400.00
LF	Kevin Frandsen	17	\$1,458,600.00	\$900,000.00	\$558,600.00
2B	Zach Walters*	7	\$600,600.00	\$240,000.00	\$360,600.00
1B	Tyler Moore	8	\$686,400.00	\$507,900.00	\$178,500.00
C	Sandy Leon	7	\$600,600.00	\$501,000.00	\$99,600.00
SS	Ian Desmond	73	\$6,263,400.00	\$6,500,000.00	\$(236,600.00)
LF	Jeff Kobernus	2	\$171,600.00	\$501,000.00	\$(329,400.00)
	Nate				
RF	Schierholtz*	3	\$257,400.00	\$950,000.00	\$(692,600.00)
	Asdrubal				
2B	Cabrera*	20	\$1,716,000.00	\$3,400,000.00	\$(1,684,000.00)
LF	Scott Hairston	6	\$514,800.00	\$2,500,000.00	\$(1,985,200.00)
LF	Nate McLouth	10	\$858,000.00	\$5,000,000.00	\$(4,142,000.00)
1B	Adam LaRoche	73	\$6,263,400.00	\$12,000,000.00	\$(5,736,600.00)

	Ryan				
1B	Zimmerman	26	\$2,230,800.00	\$14,000,000.00	\$(11,769,200.00)
RF	Jayson Werth	85	\$7,293,000.00	\$20,000,000.00	\$(12,707,000.00)
				<b>Total</b>	<b>\$(24,019,280.00)</b>
				<b>Average</b>	<b>\$(1,264,172.63)</b>

**Chicago Cubs**

1B	Anthony Rizzo	89	\$7,636,200.00	\$1,250,000.00	\$6,386,200.00
3B	Luis Valbuena	68	\$5,834,400.00	\$1,710,000.00	\$4,124,400.00
RF	Chris Coghlan	50	\$4,290,000.00	\$800,000.00	\$3,490,000.00
	Arismendy				
2B	Alcantara	31	\$2,659,800.00	\$500,000.00	\$2,159,800.00
LF	Junior Lake	30	\$2,574,000.00	\$502,500.00	\$2,071,500.00
	Welington				
C	Castillo	28	\$2,402,400.00	\$530,000.00	\$1,872,400.00
SS	Javier Baez	25	\$2,145,000.00	\$500,000.00	\$1,645,000.00
3B	Mike Olt	23	\$1,973,400.00	\$502,000.00	\$1,471,400.00
	Emilio				
CF	Bonifacio*	35	\$3,003,000.00	\$1,575,000.00	\$1,428,000.00
2B	Darwin Barney*	18	\$1,544,400.00	\$529,000.00	\$1,015,400.00
LF	Ryan Kalish	13	\$1,115,400.00	\$550,000.00	\$565,400.00
RF	Justin Ruggiano	29	\$2,488,200.00	\$2,000,000.00	\$488,200.00
CF	Ryan Sweeney	22	\$1,887,600.00	\$1,500,000.00	\$387,600.00
1B	Chris Valaika	10	\$858,000.00	\$500,000.00	\$358,000.00
2B	Logan Watkins	10	\$858,000.00	\$500,000.00	\$358,000.00
C	John Baker	9	\$772,200.00	\$875,000.00	\$(102,800.00)
SS	Starlin Castro	58	\$4,976,400.00	\$5,860,000.00	\$(883,600.00)
	Nate				
RF	Schierholtz*	29	\$2,488,200.00	\$4,050,000.00	\$(1,561,800.00)
RF	Jorge Soler	11	\$943,800.00	\$2,670,000.00	\$(1,726,200.00)
				<b>Total</b>	<b>\$23,546,900.00</b>
				<b>Average</b>	<b>\$1,239,310.53</b>

**Cincinnati Reds**

1B	Joey Votto	32	\$2,745,600.00	\$12,000,000.00	\$(9,254,400.00)
2B	Brandon Phillips	44	\$3,775,200.00	\$11,000,000.00	\$(7,224,800.00)
LF	Ryan Ludwick	28	\$2,402,400.00	\$8,500,000.00	\$(6,097,600.00)
RF	Jay Bruce	71	\$6,091,800.00	\$10,000,000.00	\$(3,908,200.00)
1B	Jack Hannahan	3	\$257,400.00	\$1,000,000.00	\$(742,600.00)
1B	Neftali Soto	1	\$85,800.00	\$500,000.00	\$(414,200.00)
1B	Donald Lutz	2	\$171,600.00	\$500,000.00	\$(328,400.00)
LF	Skip Schumaker	22	\$1,887,600.00	\$2,000,000.00	\$(112,400.00)
3B	Ramon Santiago	20	\$1,716,000.00	\$1,100,000.00	\$616,000.00
C	Brayan Pena	23	\$1,973,400.00	\$875,000.00	\$1,098,400.00
LF	Chris Heisey	34	\$2,917,200.00	\$1,760,000.00	\$1,157,200.00

SS	Zack Cozart	48	\$4,118,400.00	\$600,000.00	\$3,518,400.00
C	Devin Mesoraco	54	\$4,633,200.00	\$525,000.00	\$4,108,200.00
CF	Billy Hamilton	72	\$6,177,600.00	\$500,000.00	\$5,677,600.00
3B	Todd Frazier	88	\$7,550,400.00	\$600,000.00	\$6,950,400.00

**Total**  
**Average**      **\$(4,956,400.00)**  
**\$(330,426.67)**

**Milwaukee  
Brewers**

LF	Khrist Davis	70	\$6,006,000.00	\$503,000.00	\$5,503,000.00
SS	Jean Segura	61	\$5,233,800.00	\$534,000.00	\$4,699,800.00
C	Jonathan Lucroy	73	\$6,263,400.00	\$2,000,000.00	\$4,263,400.00
2B	Scooter Gennett	55	\$4,719,000.00	\$504,000.00	\$4,215,000.00
1B	Mark Reynolds	47	\$4,032,600.00	\$2,000,000.00	\$2,032,600.00
CF	Carlos Gomez	95	\$8,151,000.00	\$7,000,000.00	\$1,151,000.00
RF	Elisan Herrera	14	\$1,201,200.00	\$500,000.00	\$701,200.00

Martin

C	Maldonado	14	\$1,201,200.00	\$502,000.00	\$699,200.00
RF	Logan Schafer	13	\$1,115,400.00	\$505,000.00	\$610,400.00
1B	Lyle Overbay	24	\$2,059,200.00	\$1,500,000.00	\$559,200.00
SS	Jeff Bianchi	4	\$343,200.00	\$502,000.00	\$(158,800.00)
2B	Hector Gomez	2	\$171,600.00	\$500,000.00	\$(328,400.00)
LF	Gerardo Parra*	13	\$1,115,400.00	\$1,503,500.00	\$(388,100.00)
RF	Ryan Braun	68	\$5,834,400.00	\$11,000,000.00	\$(5,165,600.00)
2B	Rickie Weeks	36	\$3,088,800.00	\$11,000,000.00	\$(7,911,200.00)
3B	Aramis Ramirez	47	\$4,032,600.00	\$16,000,000.00	\$(11,967,400.00)

**Total**  
**Average**      **\$(1,484,700.00)**  
**\$(92,793.75)**

**Pittsburgh  
Pirates**

3B	Josh Harrison	77	\$6,606,600.00	\$513,000.00	\$6,093,600.00
LF	Starling Marte	73	\$6,263,400.00	\$833,330.00	\$5,430,070.00
SS	Jordy Mercer	56	\$4,804,800.00	\$515,500.00	\$4,289,300.00
RF	Gregory Polanco	50	\$4,290,000.00	\$500,000.00	\$3,790,000.00
RF	Travis Snider	37	\$3,174,600.00	\$1,200,000.00	\$1,974,600.00
2B	Neil Walker	74	\$6,349,200.00	\$5,750,000.00	\$599,200.00

Andrew

CF	McCutchen	89	\$7,636,200.00	\$7,250,000.00	\$386,200.00
1B	Gaby Sanchez	31	\$2,659,800.00	\$2,300,000.00	\$359,800.00
1B	Ike Davis*	39	\$3,346,200.00	\$3,220,000.00	\$126,200.00
C	Chris Stewart	9	\$772,200.00	\$1,000,000.00	\$(227,800.00)
LF	Andrew Lambo	3	\$257,400.00	\$500,000.00	\$(242,600.00)
C	Tony Sanchez	3	\$257,400.00	\$507,000.00	\$(249,600.00)
1B	Pedro Alvarez	46	\$3,946,800.00	\$4,250,000.00	\$(303,200.00)

3B	Brent Morel	1	\$85,800.00	\$500,000.00	\$(414,200.00)
SS	Clint Barmes	15	\$1,287,000.00	\$2,000,000.00	\$(713,000.00)
2B	Jayson Nix	1	\$85,800.00	\$950,000.00	\$(864,200.00)
RF	Jose Tabata	14	\$1,201,200.00	\$3,000,000.00	\$(1,798,800.00)
C	Russell Martin	45	\$3,861,000.00	\$8,500,000.00	\$(4,639,000.00)
2B	Chase d'Arnaud	2	\$171,600.00	\$5,000,000.00	\$(4,828,400.00)
				<b>Total</b>	<b>\$8,768,170.00</b>
				<b>Average</b>	<b>\$461,482.63</b>

**St. Louis**

**Cardinals**

3B	Matt Carpenter	99	\$8,494,200.00	\$1,250,000.00	\$7,244,200.00
1B	Matt Adams	55	\$4,719,000.00	\$516,000.00	\$4,203,000.00
2B	Kolten Wong	52	\$4,461,600.00	\$500,000.00	\$3,961,600.00
CF	Peter Bourjos	32	\$2,745,600.00	\$1,200,000.00	\$1,545,600.00
CF	Jon Jay	52	\$4,461,600.00	\$3,250,000.00	\$1,211,600.00
RF	Oscar Taveras	18	\$1,544,400.00	\$500,000.00	\$1,044,400.00
RF	Allen Craig*	34	\$2,917,200.00	\$2,117,500.00	\$799,700.00
SS	Daniel Descalso	20	\$1,716,000.00	\$1,290,000.00	\$426,000.00
C	Tony Cruz	11	\$943,800.00	\$521,000.00	\$422,800.00
SS	Pete Kozma	4	\$343,200.00	\$518,000.00	\$(174,800.00)
CF	Shane Robinson	3	\$257,400.00	\$519,000.00	\$(261,600.00)
C	AJ Pierzynski*	6	\$514,800.00	\$2,392,500.00	\$(1,877,700.00)
2B	Mark Ellis	15	\$1,287,000.00	\$5,250,000.00	\$(3,963,000.00)
LF	Matt Holliday	83	\$7,121,400.00	\$17,000,000.00	\$(9,878,600.00)
SS	Jhonny Peralta	61	\$5,233,800.00	\$15,500,000.00	\$(10,266,200.00)
C	Yadier Molina	40	\$3,432,000.00	\$15,000,000.00	\$(11,568,000.00)
				<b>Total</b>	<b>\$(17,131,000.00)</b>
				<b>Average</b>	<b>\$(1,070,687.50)</b>

**Arizona Diamondbacks**

**Paul**

1B	Goldschmidt	75	\$6,435,000.00	\$1,100,000.00	\$5,335,000.00
LF	Ender Inciarte	54	\$4,633,200.00	\$500,000.00	\$4,133,200.00
CF	AJ Pollock	41	\$3,517,800.00	\$507,000.00	\$3,010,800.00
LF	David Peralta	40	\$3,432,000.00	\$500,000.00	\$2,932,000.00
SS	Didi Gregorius	35	\$3,003,000.00	\$506,500.00	\$2,496,500.00
2B	Chris Owings	34	\$2,917,200.00	\$500,000.00	\$2,417,200.00
RF	Gerardo Parra*	51	\$4,375,800.00	\$3,346,500.00	\$1,029,300.00
3B	Jake Lamb	15	\$1,287,000.00	\$500,000.00	\$787,000.00

**Jordan**

1B	Pacheco*	6	\$514,800.00	\$160,640.00	\$354,160.00
LF	Alfredo Marte	8	\$686,400.00	\$500,000.00	\$186,400.00
CF	Tony Campana*	4	\$343,200.00	\$300,605.00	\$42,595.00
C	Tuffy Gosewisch	6	\$514,800.00	\$502,000.00	\$12,800.00

RF	Nolan Reimold*	2	\$171,600.00	\$244,800.00	\$(73,200.00)
RF	Roger Kieshnick	2	\$171,600.00	\$500,000.00	\$(328,400.00)
SS	Cliff Pennington	21	\$1,801,800.00	\$3,250,000.00	\$(1,448,200.00)
RF	Mark Trumbo	37	\$3,174,600.00	\$4,800,000.00	\$(1,625,400.00)
3B	Eric Chavez	6	\$514,800.00	\$3,500,000.00	\$(2,985,200.00)
3B	Martin Prado*	44	\$3,775,200.00	\$8,140,000.00	\$(4,364,800.00)
3B	Aaron Hill	52	\$4,461,600.00	\$11,000,000.00	\$(6,538,400.00)
C	Miguel Montero	40	\$3,432,000.00	\$10,000,000.00	\$(6,568,000.00)
LF	Cody Ross	15	\$1,287,000.00	\$9,500,000.00	\$(8,213,000.00)
				<b>Total</b>	<b>\$(9,407,645.00)</b>
				<b>Average</b>	<b>\$(447,983.10)</b>

**Colorado Rockies**

	Charlie				
CF	Blackmon	82	\$7,035,600.00	\$501,000.00	\$6,534,600.00
LF	Corey Dickerson	74	\$6,349,200.00	\$500,000.00	\$5,849,200.00
2B	DJ LeMahieu	59	\$5,062,200.00	\$501,000.00	\$4,561,200.00
3B	Nolan Arenado	58	\$4,976,400.00	\$500,000.00	\$4,476,400.00
C	Wilin Rosario	46	\$3,946,800.00	\$502,000.00	\$3,444,800.00
SS	Josh Rutledge	44	\$3,775,200.00	\$501,000.00	\$3,274,200.00
RF	Brandon Barnes	37	\$3,174,600.00	\$501,000.00	\$2,673,600.00
CF	Drew Stubbs	67	\$5,748,600.00	\$4,099,999.00	\$1,648,601.00
	Michael				
C	McKenry	23	\$1,973,400.00	\$750,000.00	\$1,223,400.00
	Charlie				
3B	Culberson	17	\$1,458,600.00	\$500,000.00	\$958,600.00
1B	Justin Morneau	62	\$5,319,600.00	\$5,000,000.00	\$319,600.00
1B	Ben Paulsen	8	\$686,400.00	\$500,000.00	\$186,400.00
	Jordan				
C	Pacheco*	4	\$343,200.00	\$160,640.00	\$182,560.00
3B	Ryan Wheeler	6	\$514,800.00	\$500,000.00	\$14,800.00
1B	Matt McBride	6	\$514,800.00	\$500,000.00	\$14,800.00
CF	Jason Pridie	1	\$85,800.00	\$500,000.00	\$(414,200.00)
LF	Carlos Gonzalez	35	\$3,003,000.00	\$10,500,000.00	\$(7,497,000.00)
	Michael				
RF	Cuddyer	32	\$2,745,600.00	\$10,500,000.00	\$(7,754,400.00)
SS	Troy Tulowitzki	71	\$6,091,800.00	\$16,000,000.00	\$(9,908,200.00)
				<b>Total</b>	<b>\$9,788,961.00</b>
				<b>Average</b>	<b>\$515,208.47</b>

**Los Angeles Dodgers**

2B	Dee Gordon	92	\$7,893,600.00	\$515,000.00	\$7,378,600.00
RF	Yasiel Puig	92	\$7,893,600.00	\$3,710,000.00	\$4,183,600.00
3B	Justin Turner	46	\$3,946,800.00	\$1,000,000.00	\$2,946,800.00

LF	Scott Van Slyke	32	\$2,745,600.00	\$507,500.00	\$2,238,100.00
C	Drew Butera	16	\$1,372,800.00	\$700,000.00	\$672,800.00
2B	Darwin Barney*	6	\$514,800.00	\$529,000.00	\$(14,200.00)
3B	Chone Figgins	8	\$686,400.00	\$900,000.00	\$(213,600.00)
SS	Carlos Triunfel	3	\$257,400.00	\$500,000.00	\$(242,600.00)
1B	Clint Robinson	3	\$257,400.00	\$500,000.00	\$(242,600.00)
C	Tim Federowicz	2	\$171,600.00	\$500,000.00	\$(328,400.00)
C	AJ Ellis	21	\$1,801,800.00	\$3,550,000.00	\$(1,748,200.00)
	Erisbel				
SS	Arruebarrena	4	\$343,200.00	\$3,000,000.00	\$(2,656,800.00)
3B	Juan Uribe	36	\$3,088,800.00	\$6,500,000.00	\$(3,411,200.00)
SS	Hanley Ramirez	64	\$5,491,200.00	\$16,000,000.00	\$(10,508,800.00)
RF	Andre Ethier	29	\$2,488,200.00	\$15,500,000.00	\$(13,011,800.00)
LF	Matt Kemp	77	\$6,606,600.00	\$21,250,000.00	\$(14,643,400.00)
1B	Adrian Gonzalez	83	\$7,121,400.00	\$21,860,000.00	\$(14,738,600.00)
LF	Carl Crawford	56	\$4,804,800.00	\$20,250,000.00	\$(15,445,200.00)
				<b>Total</b>	<b>\$(59,785,500.00)</b>
				<b>Average</b>	<b>\$(3,321,416.67)</b>
<b>San Diego</b>					
<b>Padres</b>					
	Yasmani				
C	Grandal	47	\$4,032,600.00	\$792,000.00	\$3,240,600.00
SS	Alexi Amarista	39	\$3,346,200.00	\$511,100.00	\$2,835,100.00
2B	Jedd Gyorko	37	\$3,174,600.00	\$510,900.00	\$2,663,700.00
	Yangervis				
3B	Solarte*	30	\$2,574,000.00	\$215,000.00	\$2,359,000.00
1B	Tommy Medica	31	\$2,659,800.00	\$501,200.00	\$2,158,600.00
C	Rene Rivera	27	\$2,316,600.00	\$506,400.00	\$1,810,200.00
1B	Yonder Alonso	27	\$2,316,600.00	\$980,000.00	\$1,336,600.00
SS	Everth Cabrera	36	\$3,088,800.00	\$2,450,000.00	\$638,800.00
LF	Rymer Liriano	13	\$1,115,400.00	\$500,000.00	\$615,400.00
LF	Jake Goebbert	12	\$1,029,600.00	\$500,000.00	\$529,600.00
	Abraham				
CF	Almonte*	9	\$772,200.00	\$270,000.00	\$502,200.00
RF	Chris Denorfia*	25	\$2,145,000.00	\$1,665,000.00	\$480,000.00
LF	Seth Smith	55	\$4,719,000.00	\$4,500,000.00	\$219,000.00
	Cory				
2B	Spangenberg	7	\$600,600.00	\$508,500.00	\$92,100.00
1B	Kyle Blanks*	1	\$85,800.00	\$187,720.00	\$(101,920.00)
CF	Will Venable	47	\$4,032,600.00	\$4,250,000.00	\$(217,400.00)
LF	Xavier Nady	4	\$343,200.00	\$775,000.00	\$(431,800.00)
C	Nick Hundley*	1	\$85,800.00	\$1,600,000.00	\$(1,514,200.00)

	<b>Cameron</b>				
CF	Maybin	24	\$2,059,200.00	\$5,000,000.00	\$(2,940,800.00)
3B	Chase Headley*	27	\$2,316,600.00	\$6,002,100.00	\$(3,685,500.00)
LF	Carlos Quentin	9	\$772,200.00	\$9,500,000.00	\$(8,727,800.00)
				<b>Total</b>	<b>\$1,861,480.00</b>
				<b>Average</b>	<b>\$88,641.90</b>
	<b>San Francisco Giants</b>				
	<b>Brandon</b>				
SS	Crawford	54	\$4,633,200.00	\$560,000.00	\$4,073,200.00
2B	Joe Panik	31	\$2,659,800.00	\$500,000.00	\$2,159,800.00
RF	Grgor Blanco	51	\$4,375,800.00	\$2,520,000.00	\$1,855,800.00
2B	Brandon Hicks	27	\$2,316,600.00	\$500,000.00	\$1,816,600.00
C	Andrew Susac	13	\$1,115,400.00	\$500,000.00	\$615,400.00
RF	Juan Perez	13	\$1,115,400.00	\$501,000.00	\$614,400.00
3B	Joaquin Arias	18	\$1,544,400.00	\$1,150,000.00	\$394,400.00
LF	Tyler Colvin	16	\$1,372,800.00	\$1,000,000.00	\$372,800.00
2B	Ehire Adrianza	10	\$858,000.00	\$500,500.00	\$357,500.00
1B	Adam Duvall	8	\$686,400.00	\$500,000.00	\$186,400.00
C	Hector Sanchez	8	\$686,400.00	\$512,000.00	\$174,400.00
3B	Matt Duffy	5	\$429,000.00	\$500,000.00	\$(71,000.00)
1B	Brandon Belt	30	\$2,574,000.00	\$2,900,000.00	\$(326,000.00)
	<b>Chris</b>				
RF	Dominguez	1	\$85,800.00	\$500,000.00	\$(414,200.00)
CF	Gary Brown	1	\$85,800.00	\$500,000.00	\$(414,200.00)
2B	Dan Uggla*	1	\$85,800.00	\$1,040,000.00	\$(954,200.00)
LF	Michael Morse	48	\$4,118,400.00	\$6,000,000.00	\$(1,881,600.00)
3B	Pablo Sandoval	68	\$5,834,400.00	\$8,250,000.00	\$(2,415,600.00)
CF	Angel Pagan	56	\$4,804,800.00	\$10,250,000.00	\$(5,445,200.00)
C	Buster Posey	72	\$6,177,600.00	\$12,500,000.00	\$(6,322,400.00)
2B	Marco Scutaro	1	\$85,800.00	\$6,670,000.00	\$(6,584,200.00)
RF	Hunter Pence	106	\$9,094,800.00	\$16,000,000.00	\$(6,905,200.00)
				<b>Total</b>	<b>\$(19,113,100.00)</b>
				<b>Average</b>	<b>\$(868,777.27)</b>
	<b>TOTAL</b>		<b>\$1,613,040,000.00</b>	<b>\$1,879,066,428.00</b>	<b>\$(266,026,428.00)</b>
	<b>AVERAGE</b>		<b>\$2,890,752.69</b>	<b>\$3,367,502.56</b>	<b>\$(476,749.87)</b>
	<b>MIN</b>		<b>\$85,800.00</b>	<b>\$70,658.00</b>	<b>\$(22,369,800.00)</b>
	<b>MAX</b>		<b>\$9,867,000.00</b>	<b>\$25,000,000.00</b>	<b>\$9,069,600.00</b>

**Table 9: Pitcher MRP**



	ERA	MRP	Salary	Diff
<b>Baltimore Orioles</b>				
Chris Tillman	3.34	\$11,349,152.01	\$546,000.00	\$10,803,152.01
Miguel Gonzalez	3.23	\$8,948,451.04	\$529,000.00	\$8,419,451.04
Wei-Yin Chen	3.35	\$10,124,119.73	\$4,070,000.00	\$6,054,119.73
Zach Britton	1.65	\$5,899,768.49	\$521,500.00	\$5,378,268.49
Kevin Gausman	3.57	\$5,848,111.02	\$502,500.00	\$5,345,611.02
TJ McFarland	2.76	\$3,643,312.08	\$505,500.00	\$3,137,812.08
Brad Brach	3.18	\$3,536,715.37	\$509,500.00	\$3,027,215.37
Bud Norris	3.65	\$7,903,599.12	\$5,300,000.00	\$2,603,599.12
Darren O'Day	1.7	\$5,241,453.17	\$3,200,000.00	\$2,041,453.17
Andrew Miller*	1.35	\$1,631,215.13	\$608,000.00	\$1,023,215.13
Ryan Webb	3.83	\$2,367,165.07	\$1,750,000.00	\$617,165.07
Tommy Hunter	2.97	\$3,598,509.25	\$3,000,000.00	\$598,509.25
Brian Matusz	3.48	\$2,709,386.54	\$2,400,000.00	\$309,386.54
Preston Guilmet	5.23	\$296,785.30	\$500,000.00	\$(203,214.70)
Evan Meek	5.79	\$504,830.07	\$800,000.00	\$(295,169.93)
Josh Stinson	6.23	\$207,184.13	\$504,000.00	\$(296,815.87)
Ubaldo Jimenez	4.81	\$4,382,579.31	\$11,250,000.00	\$(6,867,420.69)
			<b>Total</b>	<b>\$41,696,336.84</b>
			<b>Average</b>	<b>\$2,452,725.70</b>
<b>Boston Red Sox</b>				
Rubby De La Rosa	4.43	\$4,051,067.07	\$500,000.00	\$3,551,067.07
Burke Badenhop	2.29	\$4,824,656.84	\$2,150,000.00	\$2,674,656.84
Junichi Tazawa	2.86	\$3,848,273.88	\$1,270,000.00	\$2,578,273.88
Joe Kelly	4.11	\$2,708,040.41	\$523,000.00	\$2,185,040.41
Brandon Workman	5.17	\$2,619,312.99	\$518,000.00	\$2,101,312.99
Alex Wilson	1.91	\$2,074,427.26	\$500,000.00	\$1,574,427.26
Andrew Miller*	2.34	\$2,865,191.91	\$1,292,000.00	\$1,573,191.91
Allen Webster	5.03	\$1,887,080.75	\$500,000.00	\$1,387,080.75
Tommy Layne	0.95	\$1,647,232.63	\$500,000.00	\$1,147,232.63
Steven Wright	2.57	\$1,364,423.72	\$502,000.00	\$862,423.72
Jon Lester*	2.52	\$9,386,955.95	\$8,580,000.00	\$806,955.95
Felix Doubront*	6.07	\$1,066,058.49	\$474,660.00	\$591,398.49
Heath Hembree	4.5	\$390,916.20	\$500,000.00	\$(109,083.80)
Chris Capuano*	4.55	\$1,198,739.24	\$1,575,000.00	\$(376,260.76)
Koji Uehara	2.52	\$4,207,719.42	\$5,000,000.00	\$(792,280.58)
Edward Mujica	3.9	\$2,828,250.45	\$4,750,000.00	\$(1,921,749.55)
Craig Breslow	5.96	\$1,055,669.21	\$3,830,000.00	\$(2,774,330.79)
Clay Buchholz	5.34	\$4,733,436.95	\$7,700,000.00	\$(2,966,563.05)
John Lackey*	3.6	\$7,014,097.87	\$10,370,000.00	\$(3,355,902.13)

Jake Peavy*	4.72	\$4,481,541.21	\$9,062,500.00	\$(4,580,958.79)
			<b>Total</b>	<b>\$4,155,932.43</b>
			<b>Average</b>	<b>\$207,796.62</b>
<b>New York Yankees</b>				
Dellin Betances	1.4	\$7,320,537.98	\$502,100.00	\$6,818,437.98
Michael Pineda	1.89	\$5,685,684.53	\$538,480.00	\$5,147,204.53
Adam Warren	2.97	\$4,700,534.14	\$527,400.00	\$4,173,134.14
David Phelps	4.38	\$4,637,806.87	\$541,420.00	\$4,096,386.87
Shane Greene	3.78	\$3,843,997.85	\$500,000.00	\$3,343,997.85
David Huff*	1.85	\$2,934,914.89	\$328,250.00	\$2,606,664.89
Chris Capuano*	4.25	\$2,790,589.44	\$675,000.00	\$2,115,589.44
Vidal Nuno*	5.42	\$2,104,380.37	\$277,475.00	\$1,826,905.37
Chase Whitley	5.23	\$2,222,046.66	\$500,000.00	\$1,722,046.66
Brandon McCarthy*	2.89	\$5,513,302.32	\$4,510,000.00	\$1,003,302.32
Preston Claiborne	3	\$1,253,772.66	\$511,320.00	\$742,452.66
Shawn Kelley	4.53	\$1,997,525.89	\$1,760,000.00	\$237,525.89
Matt Daley	5.02	\$456,673.60	\$500,000.00	\$(43,326.40)
Esmil Rogers*	4.68	\$924,645.41	\$980,500.00	\$(55,854.59)
Matt Thornton*	2.55	\$1,592,082.74	\$2,520,000.00	\$(927,917.26)
David Robertson	3.08	\$3,757,648.89	\$5,210,000.00	\$(1,452,351.11)
Hiroki Kuroda	3.71	\$9,970,407.69	\$16,000,000.00	\$(6,029,592.31)
Masahiro Tanaka	2.77	\$8,548,932.81	\$22,000,000.00	\$(13,451,067.19)
CC Sabathia	5.28	\$1,328,129.13	\$23,000,000.00	\$(21,671,870.87)
			<b>Total</b>	<b>\$(9,798,331.11)</b>
			<b>Average</b>	<b>\$(515,701.64)</b>
<b>Tampa Bay Rays</b>				
Chris Archer	3.33	\$10,653,031.14	\$666,920.00	\$9,986,111.14
Alex Cobb	2.87	\$10,137,568.73	\$516,900.00	\$9,620,668.73
Jake Odorizzi	4.13	\$7,411,062.23	\$503,100.00	\$6,907,962.23
David Price*	3.11	\$9,839,290.98	\$4,480,000.00	\$5,359,290.98
Brad Boxberger	2.37	\$4,349,357.09	\$500,000.00	\$3,849,357.09
Jake McGee	1.89	\$5,275,086.98	\$1,450,000.00	\$3,825,086.98
Drew Smyly*	1.7	\$3,622,309.73	\$130,000.00	\$3,492,309.73
Cesar Ramos	3.7	\$4,100,757.98	\$750,000.00	\$3,350,757.98
Erik Bedard	4.76	\$2,681,160.97	\$1,150,000.00	\$1,531,160.97
Kirby Yates	3.75	\$1,771,781.74	\$500,000.00	\$1,271,781.74
Brandon Gomes	3.71	\$1,691,611.70	\$507,800.00	\$1,183,811.70
Jeff Beliveau	2.63	\$1,542,136.28	\$500,000.00	\$1,042,136.28
Alex Colome	2.66	\$1,481,385.75	\$500,000.00	\$981,385.75
Josh Lueke	5.64	\$717,492.84	\$504,200.00	\$213,292.84
Juan Carlos Oviedo	3.69	\$1,560,681.66	\$1,500,000.00	\$60,681.66
Nathan Karns	4.5	\$469,740.64	\$500,000.00	\$(30,259.36)
Steven Geltz	3.24	\$454,122.55	\$500,000.00	\$(45,877.45)

Matt Moore	2.7	\$633,157.08	\$1,000,000.00	\$(366,842.92)
Joel Peralta	4.41	\$2,546,311.27	\$3,000,000.00	\$(453,688.73)
Jeremy Hellickson	4.52	\$2,456,994.19	\$3,620,000.00	\$(1,163,005.81)
Grant Balfour	4.91	\$2,089,013.88	\$4,000,000.00	\$(1,910,986.12)
Heath Bell	7.27	\$33,329.62	\$9,000,000.00	\$(8,966,670.38)
			<b>Total</b>	<b>\$39,738,465.02</b>
			<b>Average</b>	<b>\$1,806,293.86</b>

#### **Toronto Blue Jays**

Drew Hutchison	4.48	\$7,361,617.84	\$503,200.00	\$6,858,417.84
Marcus Stroman	3.65	\$6,674,928.15	\$500,000.00	\$6,174,928.15
Todd Redmond	3.24	\$4,263,700.30	\$505,700.00	\$3,758,000.30
Aaron Loup	3.15	\$3,960,700.53	\$512,400.00	\$3,448,300.53
Rob Rasmussen	3.18	\$3,149,295.44	\$500,000.00	\$2,649,295.44
Dustin McGowan	4.17	\$3,623,280.56	\$1,500,000.00	\$2,123,280.56
Brett Cecil	2.7	\$3,409,128.35	\$1,300,000.00	\$2,109,128.35
JA Happ	4.22	\$6,873,875.71	\$5,200,000.00	\$1,673,875.71
Chad Jenkins	2.56	\$2,062,578.87	\$500,000.00	\$1,562,578.87
Steve Delabar	4.91	\$859,582.62	\$515,900.00	\$343,682.62
Esmil Rogers*	6.97	\$122,436.65	\$869,500.00	\$(747,063.35)
RA Dickey	3.71	\$10,856,788.83	\$12,000,000.00	\$(1,143,211.17)
Casey Janssen	3.94	\$2,138,776.10	\$4,000,000.00	\$(1,861,223.90)
Brandon Morrow	5.67	\$786,527.91	\$8,000,000.00	\$(7,213,472.09)
Mark Buehrle	3.39	\$11,070,997.78	\$19,000,000.00	\$(7,929,002.22)
			<b>Total</b>	<b>\$11,807,515.64</b>
			<b>Average</b>	<b>\$787,167.71</b>

#### **Chicago White Sox**

Jose Quintana	3.32	\$11,173,071.48	\$850,000.00	\$10,323,071.48
Chris Sale	2.17	\$12,444,080.90	\$3,500,000.00	\$8,944,080.90
Hector Noesi*	4.39	\$6,847,163.40	\$435,540.00	\$6,411,623.40
Scott Carroll	4.8	\$4,603,398.23	\$500,000.00	\$4,103,398.23
Jake Petricka	2.96	\$4,434,461.23	\$500,000.00	\$3,934,461.23
Zach Putnam	1.98	\$4,016,673.07	\$500,000.00	\$3,516,673.07
Daniel Webb	3.99	\$3,138,372.95	\$500,000.00	\$2,638,372.95
Javy Guerra	2.91	\$2,831,821.35	\$500,000.00	\$2,331,821.35
Maikel Cleto	4.6	\$1,116,992.41	\$501,000.00	\$615,992.41
Eric Surkamp	4.81	\$856,062.51	\$500,000.00	\$356,062.51
Andre Rienzo	6.82	\$520,975.62	\$500,000.00	\$20,975.62
Erik Johnson	6.46	\$302,144.98	\$500,000.00	\$(197,855.02)
Scott Downs*	6.08	\$422,351.28	\$1,462,500.00	\$(1,040,148.72)
Ronald Belisario	5.56	\$1,671,999.79	\$3,000,000.00	\$(1,328,000.21)
Matt Lindstrom	5.03	\$1,105,733.12	\$4,000,000.00	\$(2,894,266.88)
John Danks	4.74	\$7,047,108.51	\$15,750,000.00	\$(8,702,891.49)
			<b>Total</b>	<b>\$29,033,370.82</b>

			<b>Average</b>	<b>\$1,814,585.68</b>
<b>Cleveland Indians</b>				
Corey Kluber	2.44	\$15,660,567.86	\$514,000.00	\$15,146,567.86
Carlos Carrasco	2.55	\$8,724,992.11	\$504,700.00	\$8,220,292.11
Trevor Bauer	4.18	\$6,624,450.83	\$1,180,000.00	\$5,444,450.83
TJ House	3.35	\$5,549,332.72	\$500,000.00	\$5,049,332.72
Cody Allen	2.07	\$4,950,282.67	\$515,400.00	\$4,434,882.67
Bryan Shaw	2.59	\$4,914,275.34	\$529,500.00	\$4,384,775.34
Danny Salazar	4.25	\$4,659,625.48	\$501,500.00	\$4,158,125.48
Scott Atchison	2.75	\$4,495,335.61	\$800,000.00	\$3,695,335.61
Josh Tomlin	4.76	\$3,695,612.62	\$800,000.00	\$2,895,612.62
Zach McAllister	5.23	\$2,515,033.42	\$504,500.00	\$2,010,533.42
Kyle Crockett	1.8	\$2,254,481.22	\$500,000.00	\$1,754,481.22
Marc Rzepczynski	2.74	\$2,878,176.30	\$1,380,000.00	\$1,498,176.30
Nick Hagadone	2.7	\$1,457,711.25	\$500,000.00	\$957,711.25
Chen-Chang Lee	4.5	\$1,092,403.22	\$500,000.00	\$592,403.22
Josh Outman*	3.28	\$1,339,277.74	\$975,000.00	\$364,277.74
Vinnie Pestano*	5	\$290,904.65	\$507,000.00	\$(216,095.35)
Blake Wood	7.11	\$24,911.95	\$560,000.00	\$(535,088.05)
John Axford*	3.92	\$2,020,754.66	\$3,555,000.00	\$(1,534,245.34)
Justin Masterson*	5.51	\$2,498,729.92	\$6,636,800.00	\$(4,138,070.08)
			<b>Total</b>	<b>\$54,183,459.56</b>
			<b>Average</b>	<b>\$2,851,761.03</b>
<b>Detroit Tigers</b>				
Drew Smyly*	3.93	\$4,949,706.50	\$390,000.00	\$4,559,706.50
Al Alburquerque	2.51	\$3,784,806.17	\$837,500.00	\$2,947,306.17
Rick Porcello	3.43	\$10,996,529.93	\$8,500,000.00	\$2,496,529.93
Blaine Hardy	2.54	\$2,569,258.68	\$500,000.00	\$2,069,258.68
Evan Reed	4.18	\$1,403,313.54	\$503,000.00	\$900,313.54
Phil Coke	3.88	\$2,770,710.15	\$1,900,000.00	\$870,710.15
Joba Chamberlain	3.57	\$3,273,475.45	\$2,500,000.00	\$773,475.45
Ian Krol	4.96	\$1,068,290.04	\$504,000.00	\$564,290.04
Danny Worth	4.5	\$78,785.48	\$500,000.00	\$(421,214.52)
David Price*	3.59	\$3,990,442.18	\$4,480,000.00	\$(489,557.82)
Joakim Soria*	4.91	\$372,376.01	\$1,485,000.00	\$(1,112,623.99)
Max Scherzer	3.15	\$12,685,558.69	\$15,530,000.00	\$(2,844,441.31)
Jim Johnson*	6.92	\$86,983.26	\$3,000,000.00	\$(2,913,016.74)
Joe Nathan	4.81	\$2,041,813.18	\$9,000,000.00	\$(6,958,186.82)
Anibal Sanchez	3.43	\$6,785,322.09	\$15,800,000.00	\$(9,014,677.91)
Justin Verlander	4.54	\$8,003,556.13	\$20,000,000.00	\$(11,996,443.87)
			<b>Total</b>	<b>\$(20,568,572.52)</b>
			<b>Average</b>	<b>\$(1,285,535.78)</b>
<b>Kansas City Royals</b>				

Yordano Ventura	3.2	\$10,452,394.09	\$500,500.00	\$9,951,894.09
Danny Duffy	2.53	\$9,869,773.65	\$500,000.00	\$9,369,773.65
Kelvin Herrera	1.41	\$5,696,046.67	\$522,500.00	\$5,173,546.67
Jason Vargas	3.71	\$9,388,561.58	\$7,000,000.00	\$2,388,561.58
Wade Davis	1	\$6,258,798.21	\$4,800,000.00	\$1,458,798.21
Aaron Crow	4.12	\$2,634,382.69	\$1,480,000.00	\$1,154,382.69
Jeremy Guthrie	4.13	\$9,000,943.17	\$8,000,000.00	\$1,000,943.17
Francisley Bueno	4.18	\$1,407,184.75	\$504,500.00	\$902,684.75
Jason Frasor*	1.53	\$1,371,632.05	\$665,000.00	\$706,632.05
Liam Hendriks*	4.66	\$713,066.92	\$335,000.00	\$378,066.92
Greg Holland	1.44	\$5,027,962.75	\$4,670,000.00	\$357,962.75
Louis Coleman	5.56	\$854,692.03	\$537,000.00	\$317,692.03
Michael Mariot	6.48	\$316,791.18	\$500,000.00	\$(183,208.82)
Scott Downs*	3.14	\$816,812.02	\$1,162,500.00	\$(345,687.98)
Tim Collins	3.86	\$1,011,646.73	\$1,360,000.00	\$(348,353.27)
James Shields	3.21	\$12,934,778.65	\$13,500,000.00	\$(565,221.35)
			<b>Total</b>	<b>\$31,718,467.15</b>
			<b>Average</b>	<b>\$1,982,404.20</b>
<b>Minnesota Twins</b>				
Kyle Gibson	4.47	\$7,222,221.04	\$502,500.00	\$6,719,721.04
Samuel Deduno*	4.6	\$3,546,150.33	\$72,800.00	\$3,473,350.33
Phil Hughes	3.52	\$11,157,159.03	\$8,000,000.00	\$3,157,159.03
Casey Fien	3.98	\$2,967,856.02	\$530,000.00	\$2,437,856.02
Anthony Swarzak	4.6	\$3,314,879.65	\$935,000.00	\$2,379,879.65
Caleb Thielbar	3.4	\$2,594,845.64	\$510,000.00	\$2,084,845.64
Yohan Pino	5.07	\$1,929,802.59	\$500,000.00	\$1,429,802.59
Ryan Pressly	2.86	\$1,752,575.57	\$500,000.00	\$1,252,575.57
Brian Duensing	3.31	\$3,040,843.36	\$2,000,000.00	\$1,040,843.36
Kevin Correia*	4.94	\$4,375,176.21	\$3,960,000.00	\$415,176.21
Michael Tonkin	4.74	\$695,936.34	\$500,000.00	\$195,936.34
Kris Johnson	4.73	\$481,623.45	\$500,000.00	\$(18,376.55)
Tommy Milone*	7.06	\$103,089.85	\$132,600.00	\$(29,510.15)
Logan Darnell	7.13	\$93,702.88	\$500,000.00	\$(406,297.12)
Jared Burton	4.36	\$2,677,196.70	\$3,250,000.00	\$(572,803.30)
Glen Perkins	3.65	\$3,155,015.25	\$4,030,000.00	\$(874,984.75)
Ricky Nolasco	5.38	\$4,430,587.80	\$12,000,000.00	\$(7,569,412.20)
			<b>Total</b>	<b>\$15,115,761.72</b>
			<b>Average</b>	<b>\$889,162.45</b>
<b>Houston Astros</b>				
Dallas Keuchel	2.93	\$12,254,831.24	\$508,700.00	\$11,746,131.24
Collin McHugh	2.73	\$9,869,797.43	\$500,000.00	\$9,369,797.43
Brett Oberholtzer	4.39	\$5,918,209.27	\$503,600.00	\$5,414,609.27
Jarred Cosart*	4.41	\$4,766,490.82	\$335,000.00	\$4,431,490.82

Brad Peacock	4.72	\$4,830,779.00	\$504,300.00	\$4,326,479.00
Tony Sipp	3.38	\$2,767,347.98	\$500,000.00	\$2,267,347.98
Matt Albers	0.9	\$4,379,182.85	\$2,250,000.00	\$2,129,182.85
Josh Fields	4.45	\$2,195,565.22	\$506,500.00	\$1,689,065.22
Jose Veras*	3.03	\$1,929,037.60	\$1,001,000.00	\$928,037.60
Jake Buchanan	4.58	\$1,359,513.57	\$500,000.00	\$859,513.57
Darin Downs	5.45	\$918,168.16	\$500,000.00	\$418,168.16
Kevin Chapman	4.64	\$799,961.91	\$503,400.00	\$296,561.91
Samuel Deduno*	3.12	\$481,163.37	\$218,400.00	\$262,763.37
Chad Qualls	3.33	\$2,851,867.07	\$2,700,000.00	\$151,867.07
Mike Foltynewicz	5.3	\$525,911.87	\$500,000.00	\$25,911.87
Paul Clemens	5.84	\$520,760.13	\$500,000.00	\$20,760.13
Anthony Bass	6.33	\$400,270.91	\$505,200.00	\$(104,929.09)
Jorge De Leon	4.91	\$242,992.28	\$500,000.00	\$(257,007.72)
Kyle Farnsworth*	6.17	\$190,519.82	\$460,000.00	\$(269,480.18)
David Martinez	5.14	\$217,574.74	\$500,000.00	\$(282,425.26)
Josh Zeid	6.97	\$122,845.28	\$500,000.00	\$(377,154.72)
Jerome Williams*	6.04	\$886,732.30	\$1,470,000.00	\$(583,267.70)
Scott Feldman	3.74	\$9,042,513.34	\$12,000,000.00	\$(2,957,486.66)
			<b>Total</b>	<b>\$39,505,936.18</b>
			<b>Average</b>	<b>\$1,717,649.40</b>

#### Los Angeles Angels

Garrett Richards	2.61	\$10,713,855.41	\$520,000.00	\$10,193,855.41
Matt Shoemaker	3.04	\$7,887,596.75	\$500,500.00	\$7,387,096.75
Hector Santiago	3.75	\$6,175,187.59	\$530,000.00	\$5,645,187.59
Tyler Skaggs	4.3	\$4,666,274.33	\$502,250.00	\$4,164,024.33
Cory Rasmus	2.57	\$3,596,732.12	\$501,250.00	\$3,095,482.12
Mike Morin	2.9	\$3,531,319.70	\$500,000.00	\$3,031,319.70
Kevin Jepsen	2.63	\$4,123,079.92	\$1,460,000.00	\$2,663,079.92
Fernando Salas	3.38	\$3,113,117.52	\$870,000.00	\$2,243,117.52
Michael Kohn	3.04	\$1,345,531.21	\$515,000.00	\$830,531.21
Vinnie Pestano*	0.93	\$790,898.38	\$468,000.00	\$322,898.38
Joe Smith	1.81	\$5,513,202.94	\$5,250,000.00	\$263,202.94
Cam Bedrosian	6.52	\$226,642.94	\$500,000.00	\$(273,357.06)
Jason Grilli*	3.48	\$1,731,857.77	\$2,762,500.00	\$(1,030,642.23)
Huston Street*	1.71	\$1,973,878.46	\$3,220,000.00	\$(1,246,121.54)
Ernesto Frieri*	6.39	\$421,271.51	\$2,698,000.00	\$(2,276,728.49)
Jered Weaver	3.59	\$10,805,497.56	\$16,000,000.00	\$(5,194,502.44)
CJ Wilson	4.51	\$6,747,074.84	\$16,000,000.00	\$(9,252,925.16)
			<b>Total</b>	<b>\$20,565,518.94</b>
			<b>Average</b>	<b>\$1,209,736.41</b>

#### Oakland Athletics

Sonny Gray	3.08	\$12,749,521.53	\$502,500.00	\$12,247,021.53
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Jesse Chavez	3.45	\$7,774,243.22	\$775,000.00	\$6,999,243.22
Dan Otero	2.28	\$5,944,372.77	\$502,500.00	\$5,441,872.77
Tommy Milone*	3.55	\$4,988,102.72	\$372,300.00	\$4,615,802.72
Drew Pomeranz	2.35	\$4,693,394.27	\$500,000.00	\$4,193,394.27
Fernando Abad	1.57	\$4,482,057.26	\$525,900.00	\$3,956,157.26
Sean Doolittle	2.73	\$3,913,447.61	\$630,000.00	\$3,283,447.61
Ryan Cook	3.42	\$2,682,555.65	\$505,000.00	\$2,177,555.65
Dan Straily*	4.93	\$1,271,520.18	\$252,500.00	\$1,019,020.18
Scott Kazmir	3.55	\$9,867,204.23	\$9,000,000.00	\$867,204.23
Jon Lester*	2.35	\$5,183,139.76	\$4,550,000.00	\$633,139.76
Brad Mills*	4.41	\$649,737.14	\$300,000.00	\$349,737.14
Jason Hammel*	4.26	\$2,847,311.24	\$2,580,000.00	\$267,311.24
Fernando Rodgriguez	1	\$775,344.94	\$600,000.00	\$175,344.94
Luke Gregerson	2.12	\$5,126,951.00	\$5,070,000.00	\$56,951.00
Evan Scribner	4.63	\$418,901.85	\$505,000.00	\$(86,098.15)
Eric O'Flaherty	2.25	\$1,387,262.25	\$1,500,000.00	\$(112,737.75)
Josh Lindblom	3.86	\$200,517.77	\$500,000.00	\$(299,482.23)
Jeff Samardzija*	3.14	\$643,006.00	\$2,563,200.00	\$(1,920,194.00)
Jim Johnson*	7.14	\$37,319.61	\$7,000,000.00	\$(6,962,680.39)
			<b>Total</b>	<b>\$36,902,011.00</b>
			<b>Average</b>	<b>\$1,845,100.55</b>

#### Seattle Mariners

Roenis Elias	3.85	\$7,873,194.98	\$500,000.00	\$7,373,194.98
Tom Wilhelmsen	2.27	\$5,507,158.22	\$528,800.00	\$4,978,358.22
Dominic Leone	2.17	\$4,691,507.36	\$500,000.00	\$4,191,507.36
Danny Farquhar	2.66	\$4,568,520.76	\$510,800.00	\$4,057,720.76
James Paxton	3.04	\$4,381,044.89	\$503,500.00	\$3,877,544.89
Yoervis Medina	2.68	\$3,652,259.52	\$512,600.00	\$3,139,659.52
Hisashi Iwakuma	3.52	\$9,434,747.01	\$6,500,000.00	\$2,934,747.01
Joe Beimel	2.2	\$3,175,647.93	\$850,000.00	\$2,325,647.93
Brandon Maurer	4.65	\$2,589,273.04	\$504,600.00	\$2,084,673.04
Taijuan Walker	2.61	\$2,470,834.06	\$502,400.00	\$1,968,434.06
Erasmo Ramirez	5.26	\$2,190,133.15	\$511,800.00	\$1,678,333.15
Charlie Furbush	3.61	\$2,167,738.64	\$750,000.00	\$1,417,738.64
Chris Young	3.65	\$8,406,578.44	\$7,250,000.00	\$1,156,578.44
Lucas Luetge	5	\$294,130.25	\$508,800.00	\$(214,669.75)
Blake Beavan	4.5	\$157,787.99	\$518,700.00	\$(360,912.01)
Fernando Rodney	2.85	\$4,083,283.62	\$7,000,000.00	\$(2,916,716.38)
Felix Hernandez	2.14	\$16,846,118.28	\$22,860,000.00	\$(6,013,881.72)
			<b>Total</b>	<b>\$31,677,958.14</b>
			<b>Average</b>	<b>\$1,863,409.30</b>

#### Texas Rangers

Nick Martinez	4.55	\$5,530,382.80	\$500,000.00	\$5,030,382.80
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Nick Tepesch	4.36	\$5,303,624.56	\$500,000.00	\$4,803,624.56
Shawn Tolleson	2.76	\$4,566,498.75	\$502,080.00	\$4,064,418.75
Colby Lewis	5.18	\$5,238,183.39	\$2,000,000.00	\$3,238,183.39
Roman Mendez	2.18	\$2,380,196.08	\$500,000.00	\$1,880,196.08
Martin Perez	4.38	\$2,136,833.83	\$750,000.00	\$1,386,833.83
Scott Baker	5.47	\$2,149,300.75	\$1,000,000.00	\$1,149,300.75
Robbie Ross Jr	6.2	\$1,307,527.12	\$512,750.00	\$794,777.12
Lisalverto Bonilla	3.05	\$1,214,843.16	\$500,000.00	\$714,843.16
Phil Klein	2.84	\$1,197,646.39	\$500,000.00	\$697,646.39
Neal Cotts	4.32	\$2,822,990.26	\$2,200,000.00	\$622,990.26
Jason Frasor*	3.334	\$1,641,856.08	\$1,085,000.00	\$556,856.08
Joe Saunders*	6.13	\$694,080.21	\$285,000.00	\$409,080.21
Miles Mikolas	6.44	\$767,144.81	\$500,000.00	\$267,144.81
Pedro Figueroa	4	\$423,469.35	\$502,160.00	\$(78,690.65)
Nate Adcock	4.5	\$401,634.12	\$500,000.00	\$(98,365.88)
Jon Edwards	4.32	\$345,411.20	\$500,000.00	\$(154,588.80)
Michael Kirkman	4.59	\$202,401.88	\$504,580.00	\$(302,178.12)
Phil Irwin	6.75	\$36,656.37	\$500,000.00	\$(463,343.63)
Neftali Feliz	1.99	\$2,332,040.08	\$3,000,000.00	\$(667,959.92)
Yu Darvish	3.06	\$8,646,428.83	\$10,000,000.00	\$(1,353,571.17)
Joakim Soria*	2.7	\$2,150,270.90	\$4,015,000.00	\$(1,864,729.10)
Derek Holland	1.46	\$3,035,736.63	\$5,400,000.00	\$(2,364,263.37)
Alexi Ogando	6.84	\$198,103.01	\$2,620,000.00	\$(2,421,896.99)
Matt Harrison	4.15	\$769,252.53	\$8,199,999.00	\$(7,430,746.47)

**Total**                    **\$8,415,944.09**  
**Average**                    **\$336,637.76**

**Atlanta Braves**

Julio Teheran	2.89	\$13,504,605.79	\$800,000.00	\$12,704,605.79
Alex Wood	2.78	\$10,715,790.40	\$506,250.00	\$10,209,540.40
Aaron Harang	3.57	\$10,597,732.57	\$1,000,000.00	\$9,597,732.57
David Hale	3.3	\$4,840,168.57	\$502,500.00	\$4,337,668.57
Anthony Varvaro	2.63	\$3,502,285.12	\$515,000.00	\$2,987,285.12
David Carpenter	3.54	\$3,192,089.19	\$532,500.00	\$2,659,589.19
Jordan Walden	2.88	\$3,062,092.59	\$1,490,000.00	\$1,572,092.59
Luis Avilan	4.57	\$1,655,919.12	\$517,500.00	\$1,138,419.12
James Russell*	2.22	\$1,690,720.38	\$584,100.00	\$1,106,620.38
Shae Simmons	2.91	\$1,289,738.83	\$500,000.00	\$789,738.83
Chasen Shreve	0.73	\$1,092,328.27	\$500,000.00	\$592,328.27
Juan Jaime	5.84	\$257,373.61	\$500,000.00	\$(242,626.39)
Gavin Floyd	2.65	\$3,481,212.20	\$4,000,000.00	\$(518,787.80)
Craig Kimbrel	1.61	\$4,797,572.18	\$7,000,000.00	\$(2,202,427.82)
Ervin Santana	3.95	\$9,171,381.95	\$14,100,000.00	\$(4,928,618.05)

**Total**                    **\$39,803,160.77**



**Average \$2,653,544.05**

**Miami Marlins**

Henderson Alvarez	2.65	\$12,014,858.75	\$525,400.00	\$11,489,458.75
Tom Koehler	3.81	\$9,289,332.86	\$515,000.00	\$8,774,332.86
Nathan Eovaldi	4.37	\$8,178,968.44	\$517,000.00	\$7,661,968.44
Jarred Cosart*	2.39	\$4,336,401.53	\$165,000.00	\$4,171,401.53
AJ Ramos	2.11	\$4,578,024.63	\$510,000.00	\$4,068,024.63
Brad Hand	4.38	\$4,542,591.10	\$500,000.00	\$4,042,591.10
Bryan Morris*	0.66	\$3,661,520.97	\$332,475.00	\$3,329,045.97
Jose Fernandez	2.44	\$3,434,603.64	\$635,000.00	\$2,799,603.64
Dan Jennings	1.34	\$3,284,746.49	\$501,500.00	\$2,783,246.49
Chris Hatcher	3.38	\$3,046,829.87	\$500,000.00	\$2,546,829.87
Sam Dyson	2.14	\$2,987,339.54	\$500,000.00	\$2,487,339.54
Mike Dunn	3.16	\$3,270,319.78	\$1,400,000.00	\$1,870,319.78
Jacob Turner*	5.97	\$1,521,824.37	\$710,000.00	\$811,824.37
Carter Capps	3.98	\$930,984.10	\$500,000.00	\$430,984.10
Kevin Slowey	5.3	\$1,058,072.96	\$800,000.00	\$258,072.96
Anthony DeSclafani	6.27	\$509,538.40	\$500,000.00	\$9,538.40
Steve Cishek	3.17	\$3,726,271.72	\$3,800,000.00	\$(73,728.28)
Randy Wolf	5.26	\$732,282.37	\$1,000,000.00	\$(267,717.63)

**Total Average \$57,193,136.50 \$3,177,396.47**

**New York Mets**

Zack Wheeler	3.54	\$9,631,876.43	\$512,380.00	\$9,119,496.43
Jacob deGrom	2.69	\$8,889,343.58	\$500,000.00	\$8,389,343.58
Carlos Torres	3.06	\$5,672,713.00	\$561,880.00	\$5,110,833.00
Jonathon Niese	3.4	\$10,093,076.91	\$5,000,000.00	\$5,093,076.91
Jeurys Familia	2.21	\$5,388,942.89	\$502,550.00	\$4,886,392.89
Jenrry Mejia	3.65	\$4,712,096.35	\$509,680.00	\$4,202,416.35
Dillon Gee	4	\$6,287,285.91	\$3,620,000.00	\$2,667,285.91
Daisuke Matsuzaka	3.89	\$3,933,639.85	\$1,500,000.00	\$2,433,639.85
Buddy Carlyle	1.45	\$2,483,127.46	\$500,000.00	\$1,983,127.46
Josh Edgin	1.32	\$2,218,041.35	\$500,000.00	\$1,718,041.35
Vic Black	2.6	\$2,211,321.47	\$502,250.00	\$1,709,071.47
Rafael Montero	4.06	\$1,986,856.51	\$500,000.00	\$1,486,856.51
Gonzalez Germen	4.75	\$1,077,219.33	\$504,880.00	\$572,339.33
Kyle Farnsworth*	3.18	\$966,793.41	\$540,000.00	\$426,793.41
Bartolo Colon	4.09	\$9,023,884.50	\$9,000,000.00	\$23,884.50
Scott Rice	5.93	\$263,245.10	\$542,500.00	\$(279,254.90)
Jose Valverde	5.66	\$476,081.85	\$1,000,000.00	\$(523,918.15)

**Total Average \$49,019,425.90 \$2,883,495.64**

**Philadelphia Phillies**

David Buchanan	3.75	\$5,748,881.90	\$500,000.00	\$5,248,881.90
Ken Giles	1.18	\$3,763,461.26	\$500,000.00	\$3,263,461.26
Jerome Williams*	2.83	\$3,503,915.85	\$504,000.00	\$2,999,915.85
Justin De Fratus	2.39	\$3,510,617.73	\$513,000.00	\$2,997,617.73
Jake Diekman	3.8	\$3,435,173.63	\$515,500.00	\$2,919,673.63
Roberto Hernandez*	3.87	\$5,740,953.24	\$3,240,000.00	\$2,500,953.24
Mario Hollands	4.4	\$1,896,578.46	\$500,000.00	\$1,396,578.46
Antonio Bastardo	3.94	\$2,976,579.96	\$2,000,000.00	\$976,579.96
Cesar Jimenez	1.69	\$1,225,944.63	\$500,000.00	\$725,944.63
Mike Adams	2.89	\$1,102,220.24	\$516,000.00	\$586,220.24
Kyle Kendrick	4.61	\$7,470,904.81	\$7,670,000.00	\$(199,095.19)
Jeff Manship	6.65	\$235,525.88	\$500,000.00	\$(264,474.12)
Luis Garcia	6.43	\$184,584.21	\$500,000.00	\$(315,415.79)
Ethan Martin	4.5	\$156,057.60	\$500,000.00	\$(343,942.40)
BJ Rosenberg	6.75	\$106,823.08	\$500,000.00	\$(393,176.92)
Miguel Alfredo Gonzalez	6.75	\$45,399.81	\$3,670,000.00	\$(3,624,600.19)
AJ Burnett	4.59	\$8,061,071.04	\$15,000,000.00	\$(6,938,928.96)
Jonathan Papelbon	2.04	\$4,755,060.58	\$13,000,000.00	\$(8,244,939.42)
Cole Hamels	2.46	\$13,541,804.91	\$23,500,000.00	\$(9,958,195.09)
Cliff Lee	3.65	\$4,086,647.30	\$25,000,000.00	\$(20,913,352.70)
			<b>Total</b>	<b>\$(27,580,293.91)</b>
			<b>Average</b>	<b>\$(1,379,014.70)</b>
<b>Washington Nationals</b>				
Tanner Roark	2.85	\$12,092,105.70	\$506,100.00	\$11,586,005.70
Stephen Strasburg	3.14	\$12,283,808.92	\$3,980,000.00	\$8,303,808.92
Jordan Zimmermann	2.66	\$12,658,923.82	\$7,500,000.00	\$5,158,923.82
Doug Fister	2.41	\$10,969,938.04	\$7,200,000.00	\$3,769,938.04
Craig Stammen	3.84	\$3,449,647.42	\$1,380,000.00	\$2,069,647.42
Drew Storen	1.12	\$4,719,675.78	\$3,450,000.00	\$1,269,675.78
Jerry Blevins	4.87	\$1,942,194.66	\$1,680,000.00	\$262,194.66
Ryan Mattheus	1.04	\$698,630.40	\$520,000.00	\$178,630.40
Taylor Jordan	5.61	\$607,934.97	\$504,300.00	\$103,634.97
Ross Detwiler	4	\$2,875,368.95	\$3,000,000.00	\$(124,631.05)
Xavier Cedeno	3.86	\$332,582.36	\$507,800.00	\$(175,217.64)
Gio Gonzalez	3.57	\$8,129,484.46	\$8,500,000.00	\$(370,515.54)
Tyler Clippard	2.18	\$4,904,450.72	\$5,880,000.00	\$(975,549.28)
Rafael Soriano	3.19	\$3,500,878.65	\$11,000,000.00	\$(7,499,121.35)
			<b>Total</b>	<b>\$23,557,424.85</b>
			<b>Average</b>	<b>\$1,682,673.20</b>
<b>Chicago Cubs</b>				
Jake Arrieta	2.53	\$10,247,184.86	\$500,000.00	\$9,747,184.86
Kyle Hendricks	2.46	\$5,330,095.12	\$500,000.00	\$4,830,095.12

Jeff Samardzija*	2.83	\$6,650,019.88	\$2,776,800.00	\$3,873,219.88
Hector Rondon	2.42	\$4,232,758.89	\$514,000.00	\$3,718,758.89
Jason Hammel*	2.98	\$6,444,381.10	\$3,420,000.00	\$3,024,381.10
Neil Ramirez	1.44	\$3,466,396.12	\$500,000.00	\$2,966,396.12
Pedro Strop	2.21	\$4,263,916.78	\$1,320,000.00	\$2,943,916.78
Justin Grimm	3.78	\$3,368,348.96	\$505,500.00	\$2,862,848.96
Brian Schlitler	4.15	\$2,459,867.16	\$500,000.00	\$1,959,867.16
Travis Wood	5.03	\$5,547,652.65	\$3,900,000.00	\$1,647,652.65
Wesley Wright	3.17	\$2,742,102.98	\$1,430,000.00	\$1,312,102.98
Felix Doubront*	3.98	\$927,229.88	\$111,340.00	\$815,889.88
James Russell*	3.51	\$1,735,846.67	\$1,185,900.00	\$549,946.67
Eric Jokisch	1.88	\$1,048,079.29	\$500,000.00	\$548,079.29
Blake Parker	5.14	\$641,615.74	\$500,000.00	\$141,615.74
Jacob Turner*	6.49	\$424,897.38	\$290,000.00	\$134,897.38
Arodys Vizcaino	5.4	\$135,307.88	\$500,000.00	\$(364,692.12)
Chris Rusin	7.11	\$49,994.17	\$503,500.00	\$(453,505.83)
Carlos Villanueva	4.64	\$2,877,063.38	\$5,000,000.00	\$(2,122,936.62)
Kyuji Fujikawa	4.85	\$447,818.25	\$4,500,000.00	\$(4,052,181.75)
Edwin Jackson	6.33	\$2,043,071.45	\$13,000,000.00	\$(10,956,928.55)
			<b>Total</b>	<b>\$23,126,608.59</b>
			<b>Average</b>	<b>\$1,101,267.08</b>

#### **Cincinnati Reds**

Alfredo Simon	3.44	\$10,592,109.91	\$1,500,000.00	\$9,092,109.91
Johnny Cueto	2.25	\$17,068,598.48	\$10,000,000.00	\$7,068,598.48
Mike Leake	3.7	\$10,807,976.39	\$5,920,000.00	\$4,887,976.39
Tony Cingrani	4.55	\$2,456,564.12	\$512,500.00	\$1,944,064.12
JJ Hoover	4.88	\$2,142,621.38	\$520,000.00	\$1,622,621.38
Sam LeCure	3.81	\$2,753,030.50	\$1,200,000.00	\$1,553,030.50
Jumbo Diaz	3.38	\$1,875,154.92	\$500,000.00	\$1,375,154.92
Dylan Axelrod	2.95	\$1,098,160.93	\$500,000.00	\$598,160.93
David Holmberg	4.8	\$1,066,029.56	\$500,000.00	\$566,029.56
Daniel Corcino	4.34	\$760,482.23	\$500,000.00	\$260,482.23
Pedro Villarreal	4.3	\$601,061.19	\$500,000.00	\$101,061.19
Nick Christiani	5.54	\$331,230.85	\$500,000.00	\$(168,769.15)
Carlos Contreras	6.52	\$232,316.85	\$500,000.00	\$(267,683.15)
Logan Ondrusek	5.49	\$1,072,506.28	\$1,350,000.00	\$(277,493.72)
Manny Parra	4.66	\$1,355,205.65	\$2,000,000.00	\$(644,794.35)
Ardolis Chapman	2	\$3,973,338.84	\$5,000,000.00	\$(1,026,661.16)
Mat Latos	3.25	\$5,778,401.97	\$7,250,000.00	\$(1,471,598.03)
Homer Bailey	3.71	\$7,310,107.75	\$9,000,000.00	\$(1,689,892.25)
Jonathan Broxton*	1.86	\$3,630,715.49	\$5,740,000.00	\$(2,109,284.51)
			<b>Total</b>	<b>\$21,413,113.27</b>
			<b>Average</b>	<b>\$1,127,005.96</b>

**Milwaukee Brewers**

Wily Peralta	3.53	\$10,382,738.99	\$515,000.00	\$9,867,738.99
Mike Fiers	2.13	\$5,073,851.99	\$500,000.00	\$4,573,851.99
Zach Duke	2.45	\$3,896,330.99	\$850,000.00	\$3,046,330.99
Marco Estrada	4.36	\$6,187,325.71	\$3,330,000.00	\$2,857,325.71
Will Smith	3.7	\$3,266,062.16	\$502,000.00	\$2,764,062.16
Brandon Kintzler	3.24	\$3,270,760.22	\$507,000.00	\$2,763,760.22
Jimmy Nelson	4.93	\$2,315,427.44	\$500,000.00	\$1,815,427.44
Jeremy Jeffress*	1.88	\$2,104,645.64	\$461,916.00	\$1,642,729.64
Francisco Rodriguez	3.04	\$4,011,458.93	\$3,250,000.00	\$761,458.93
Tyler Thornburg	4.25	\$1,246,171.04	\$505,000.00	\$741,171.04
Rob Wooten	4.72	\$1,239,189.82	\$501,000.00	\$738,189.82
Jim Henderson	7.15	\$39,684.03	\$512,000.00	\$(472,315.97)
Alfredo Figaro	7.27	\$16,048.43	\$500,000.00	\$(483,951.57)
Kyle Lohse	3.54	\$10,350,789.79	\$11,000,000.00	\$(649,210.21)
Jonathan Broxton*	4.35	\$417,420.35	\$1,260,000.00	\$(842,579.65)
Tom Gorzelanny	0.86	\$1,856,104.42	\$2,950,000.00	\$(1,093,895.58)
Yovani Gallardo	3.51	\$10,114,992.85	\$11,250,000.00	\$(1,135,007.15)
Matt Garza	3.64	\$8,302,113.57	\$12,500,000.00	\$(4,197,886.43)
			<b>Total</b>	<b>\$22,697,200.36</b>
			<b>Average</b>	<b>\$1,260,955.58</b>

**Pittsburgh Pirates**

Gerrit Cole	3.65	\$7,011,159.17	\$512,500.00	\$6,498,659.17
Edinson Volquez	3.04	\$11,346,836.09	\$5,000,000.00	\$6,346,836.09
Vance Worley	2.85	\$6,788,363.59	\$527,500.00	\$6,260,863.59
Jeff Locke	3.91	\$6,200,657.75	\$513,000.00	\$5,687,657.75
Tony Watson	1.63	\$6,018,627.19	\$518,500.00	\$5,500,127.19
Jared Hughes	1.96	\$4,718,382.77	\$500,000.00	\$4,218,382.77
Charlie Morton	3.72	\$7,833,154.92	\$4,000,000.00	\$3,833,154.92
Jeanmar Gomez	3.19	\$3,534,779.06	\$514,500.00	\$3,020,279.06
Francisco Liriano	3.38	\$8,826,146.92	\$6,000,000.00	\$2,826,146.92
Mark Melancon	1.9	\$5,283,772.62	\$2,600,000.00	\$2,683,772.62
Justin Wilson	4.2	\$2,603,040.68	\$515,000.00	\$2,088,040.68
Brandon Cumpton	4.89	\$2,385,139.05	\$507,000.00	\$1,878,139.05
Bryan Morris*	3.8	\$1,131,729.84	\$179,025.00	\$952,704.84
Stolmy Pimentel	5.23	\$949,435.83	\$505,500.00	\$443,935.83
Bobby LaFromboise	2.45	\$214,393.10	\$500,000.00	\$(285,606.90)
Vin Mazzaro	3.48	\$536,304.10	\$950,000.00	\$(413,695.90)
John Axford*	4.09	\$493,551.40	\$945,000.00	\$(451,448.60)
Jason Grilli*	4.87	\$690,300.07	\$1,487,500.00	\$(797,199.93)
Wandy Rodriguez	6.75	\$235,152.48	\$13,000,000.00	\$(12,764,847.52)
			<b>Total</b>	<b>\$37,525,901.63</b>
			<b>Average</b>	<b>\$1,975,047.45</b>

**St. Louis Cardinals**

Lance Lynn	2.74	\$12,888,736.95	\$535,000.00	\$12,353,736.95
Shelby Miller	3.74	\$9,124,672.30	\$521,000.00	\$8,603,672.30
Michael Wacha	3.2	\$6,119,105.24	\$510,000.00	\$5,609,105.24
Seth Maness	2.91	\$4,895,903.85	\$509,000.00	\$4,386,903.85
Pat Neshek	1.87	\$5,048,088.03	\$1,000,000.00	\$4,048,088.03
Carlos Martinez	4.03	\$4,092,104.76	\$505,000.00	\$3,587,104.76
Trevor Rosenthal	3.2	\$4,008,871.75	\$521,000.00	\$3,487,871.75
Sam Freeman	2.61	\$2,477,317.39	\$500,000.00	\$1,977,317.39
Joe Kelly*	4.37	\$1,445,998.57	\$214,430.00	\$1,231,568.57
Tyler Lyons	4.42	\$1,471,018.98	\$500,000.00	\$971,018.98
Eric Fornataro	4.66	\$343,893.69	\$500,000.00	\$(156,106.31)
Kevin Siegrist	6.82	\$243,043.66	\$505,000.00	\$(261,956.34)
Randy Choate	4.5	\$1,423,818.19	\$3,000,000.00	\$(1,576,181.81)
John Lackey*	4.3	\$2,544,289.82	\$4,880,000.00	\$(2,335,710.18)
Justin Masterson*	7.04	\$153,710.47	\$3,123,200.00	\$(2,969,489.53)
Adam Wainwright	2.38	\$15,507,056.68	\$19,500,000.00	\$(3,992,943.32)
Jaime Garcia	4.12	\$1,931,301.42	\$7,750,000.00	\$(5,818,698.58)
Jason Motte	4.68	\$927,710.11	\$7,500,000.00	\$(6,572,289.89)
			<b>Total</b>	<b>\$22,573,011.86</b>
			<b>Average</b>	<b>\$1,254,056.21</b>

**Arizona****Diamondbacks**

Josh Collmenter	3.46	\$9,637,867.11	\$925,000.00	\$8,712,867.11
Wade Miley	4.34	\$8,413,966.48	\$523,500.00	\$7,890,466.48
Chase Anderson	4.01	\$5,286,208.50	\$500,000.00	\$4,786,208.50
Vidal Nuno*	3.76	\$4,137,623.06	\$227,025.00	\$3,910,598.06
Evan Marshall	2.74	\$3,123,197.32	\$500,000.00	\$2,623,197.32
Randall Delgado	4.87	\$2,673,333.23	\$510,000.00	\$2,163,333.23
Addison Reed	4.25	\$2,545,096.05	\$538,500.00	\$2,006,596.05
Oliver Perez	2.91	\$3,567,423.13	\$1,750,000.00	\$1,817,423.13
Eury De La Rosa	2.95	\$2,199,211.55	\$500,000.00	\$1,699,211.55
Will Harris	4.34	\$1,213,351.70	\$510,000.00	\$703,351.70
Zeke Spruill	3.57	\$1,161,418.26	\$500,000.00	\$661,418.26
Joe Thatcher*	2.63	\$1,562,532.93	\$1,666,000.00	\$(103,467.07)
Brad Ziegler	3.49	\$3,578,108.04	\$4,500,000.00	\$(921,891.96)
Brandon McCarthy*	5.01	\$3,573,446.00	\$5,740,000.00	\$(2,166,554.00)
Trevor Cahill	5.61	\$2,706,557.97	\$7,700,000.00	\$(4,993,442.03)
Bronson Arroyo	4.08	\$3,902,439.87	\$9,500,000.00	\$(5,597,560.13)
JJ Putz	6.59	\$148,193.58	\$7,000,000.00	\$(6,851,806.42)
			<b>Total</b>	<b>\$16,339,949.78</b>
			<b>Average</b>	<b>\$961,173.52</b>

**Colorado Rockies**

Tyler Matzek	4.05	\$5,415,169.69	\$500,000.00	\$4,915,169.69
Jordan Lyles	4.33	\$5,345,836.54	\$502,000.00	\$4,843,836.54
Adam Ottavino	3.6	\$3,404,905.00	\$502,000.00	\$2,902,905.00
Tommy Kahnle	4.19	\$3,020,051.34	\$500,000.00	\$2,520,051.34
Franklin Morales	5.37	\$3,990,242.68	\$1,710,000.00	\$2,280,242.68
Rex Brothers	5.59	\$1,405,858.14	\$502,000.00	\$903,858.14
LaTroy Hawkins	3.31	\$3,049,343.28	\$2,250,000.00	\$799,343.28
Juan Nicasio	5.38	\$2,604,308.35	\$2,020,000.00	\$584,308.35
Tyler Chatwood	4.5	\$960,621.25	\$502,000.00	\$458,621.25
Rob Scahill	4.8	\$538,601.94	\$500,000.00	\$38,601.94
Christian Friedrich	5.92	\$494,745.56	\$500,000.00	\$(5,254.44)
Nick Masset	5.8	\$997,942.38	\$1,200,000.00	\$(202,057.62)
Pedro Hernandez	4.76	\$189,571.24	\$500,000.00	\$(310,428.76)
Matt Belisle	4.87	\$2,243,512.32	\$4,250,000.00	\$(2,006,487.68)
Jorge De La Rosa	4.1	\$8,379,864.65	\$11,000,000.00	\$(2,620,135.35)
Jhoulys Chacin	5.4	\$1,745,889.71	\$4,850,000.00	\$(3,104,110.29)
Boone Logan	6.84	\$197,424.67	\$4,750,000.00	\$(4,552,575.33)
Brett Anderson	2.91	\$2,666,039.28	\$8,000,000.00	\$(5,333,960.72)
			<b>Total</b>	<b>\$2,111,928.01</b>
			<b>Average</b>	<b>\$117,329.33</b>

**Los Angeles Dodgers**

Clayton Kershaw	1.77	\$15,006,492.75	\$6,570,000.00	\$8,436,492.75
Hyun-Jin Ryu	3.38	\$8,230,429.99	\$4,330,000.00	\$3,900,429.99
Jamey Wright	4.35	\$2,883,294.60	\$1,800,000.00	\$1,083,294.60
Pedro Baez	2.63	\$1,541,083.05	\$500,000.00	\$1,041,083.05
Paul Maholm	4.84	\$2,425,821.95	\$1,500,000.00	\$925,821.95
Chris Withrow	2.95	\$1,264,263.96	\$506,600.00	\$757,663.96
Roberto Hernandez*	4.74	\$1,550,783.46	\$1,260,000.00	\$290,783.46
Paco Rodrigiez	3.86	\$667,890.44	\$512,500.00	\$155,390.44
Carlos Frias	6.12	\$557,884.70	\$500,000.00	\$57,884.70
Kenley Jansen	2.76	\$4,066,623.03	\$4,300,000.00	\$(233,376.97)
Scott Elbert	2.08	\$293,528.13	\$575,000.00	\$(281,471.87)
Chris Perez	4.27	\$1,945,635.83	\$2,300,000.00	\$(354,364.17)
Stephen Fife	6	\$113,939.17	\$500,000.00	\$(386,060.83)
JP Howell	2.39	\$3,304,185.00	\$4,000,000.00	\$(695,815.00)
Dan Haren	4.02	\$8,474,052.94	\$10,000,000.00	\$(1,525,947.06)
Brandon League	2.57	\$4,096,066.72	\$8,500,000.00	\$(4,403,933.28)
Brian Wilson	4.66	\$1,778,318.71	\$10,000,000.00	\$(8,221,681.29)
Josh Beckett	2.88	\$7,010,732.29	\$15,750,000.00	\$(8,739,267.71)
Zack Greinke	2.71	\$12,760,245.62	\$26,000,000.00	\$(13,239,754.38)
			<b>Total</b>	<b>\$(21,432,827.66)</b>
			<b>Average</b>	<b>\$(1,128,043.56)</b>

**San Diego Padres**

Tyson Ross	2.81	\$12,280,723.69	\$1,980,000.00	\$10,300,723.69
Andrew Cashner	2.55	\$8,181,909.13	\$2,400,000.00	\$5,781,909.13
Odrisamer Despaigne	3.36	\$5,323,909.72	\$500,000.00	\$4,823,909.72
Eric Stults	4.3	\$7,490,175.89	\$2,750,000.00	\$4,740,175.89
Ian Kennedy	3.63	\$10,393,923.75	\$6,100,000.00	\$4,293,923.75
Dale Thayer	2.34	\$4,513,674.47	\$515,799.00	\$3,997,875.47
Kevin Quackenbush	2.48	\$3,647,522.55	\$500,000.00	\$3,147,522.55
Alex Torres	3.33	\$3,013,714.72	\$509,000.00	\$2,504,714.72
Nick Vincent	3.6	\$2,866,650.07	\$510,200.00	\$2,356,450.07
Tim Stauffer	3.5	\$3,428,520.96	\$1,600,000.00	\$1,828,520.96
Robbie Erlin	4.99	\$2,024,324.90	\$504,500.00	\$1,519,824.90
Blaine Boyer	3.57	\$2,106,483.36	\$700,000.00	\$1,406,483.36
RJ Alvarez	1.13	\$686,919.73	\$500,000.00	\$186,919.73
Frank Garces	2	\$665,814.67	\$500,000.00	\$165,814.67
Troy Patton*	2.45	\$481,605.11	\$596,900.00	\$(115,294.89)
Hector Ambriz	4.5	\$79,651.01	\$500,000.00	\$(420,348.99)
Joe Wieland	7.15	\$40,208.29	\$501,600.00	\$(461,391.71)
Huston Street*	1.09	\$2,851,577.14	\$3,780,000.00	\$(928,422.86)
Joaquin Benoit	1.49	\$4,379,222.10	\$6,000,000.00	\$(1,620,777.90)
			<b>Total</b>	<b>\$43,508,532.26</b>
			<b>Average</b>	<b>\$2,289,922.75</b>
<b>San Francisco Giants</b>				
Madison Bumgarner	2.98	\$13,056,278.42	\$3,750,000.00	\$9,306,278.42
Yusmeiro Petit	3.69	\$5,909,910.46	\$845,000.00	\$5,064,910.46
Jean Machi	2.58	\$4,333,738.22	\$505,000.00	\$3,828,738.22
Ryan Vogelsong	4	\$8,530,032.54	\$5,000,000.00	\$3,530,032.54
Juan Gutierrez	3.96	\$2,960,978.56	\$850,000.00	\$2,110,978.56
George Kontos	2.78	\$2,017,530.41	\$500,000.00	\$1,517,530.41
David Huff*	6.3	\$302,422.90	\$176,750.00	\$125,672.90
Jake Peavy*	2.17	\$5,561,807.15	\$5,510,000.00	\$51,807.15
Santiago Casilla	1.7	\$4,502,513.50	\$4,500,000.00	\$2,513.50
Erik Cordier	1.5	\$481,247.26	\$500,000.00	\$(18,752.74)
Chris Heston	5.06	\$162,869.61	\$500,000.00	\$(337,130.39)
Tim Hudson	3.57	\$9,859,527.17	\$11,000,000.00	\$(1,140,472.83)
Javier Lopez	3.11	\$2,171,613.31	\$4,000,000.00	\$(1,828,386.69)
Jeremy Affeldt	2.28	\$3,836,683.67	\$6,000,000.00	\$(2,163,316.33)
Sergio Romo	3.72	\$2,906,105.26	\$5,500,000.00	\$(2,593,894.74)
Tim Lincecum	4.74	\$5,629,776.43	\$17,000,000.00	\$(11,370,223.57)
Matt Cain	4.18	\$3,952,487.40	\$21,000,000.00	\$(17,047,512.60)
			<b>Total</b>	<b>\$(10,961,227.71)</b>
			<b>Average</b>	<b>\$(644,778.10)</b>
<b>TOTALS</b>	<b>2072.304</b>	<b>\$2,115,744,482.41</b>	<b>\$1,482,699,664.00</b>	<b>\$633,044,818.41</b>

<b>AVERAGE</b>	<b>3.781576642</b>	<b>\$3,860,847.60</b>	<b>\$2,705,656.32</b>	<b>\$1,155,191.27</b>
<b>MIN</b>	<b>0.66</b>	<b>\$16,048.43</b>	<b>\$72,800.00</b>	<b>\$(21,671,870.87)</b>
<b>MAX</b>	<b>7.27</b>	<b>\$17,068,598.48</b>	<b>\$26,000,000.00</b>	<b>\$15,146,567.86</b>

**\* denotes players that were traded part way through the season. Salary was determined as a percentage of innings played for each respective team**

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