



CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s) Knight A. Jarecki	Project Number 36353
Project Title The Science Behind Moneyball	
Objectives/Goals The object of my project is to test which method works the best to predict run production. Methods/Materials computer, taking baseball statistics from the last 10 years and testing different equations to predict run production and using data analogy. Results My hypothesis was correct and world series contenders did have better run production then bottom of the barrel teams, Wild Card contenders, and division winners. I also found out that the run production in the last 10 years has gone down. Another factor that I found out was that the American league(AL) had better run production then the National League(NL). This is another theory of mine which I call the DH(Designated Hitter) factor. My theory of the DH factor is that the American League will always have better run production then the National League because the have the DH which is an extra hitter then a pitcher having to bat. This is a huge factor in baseball. Conclusions/Discussion In my project I tested the run production between World Series contenders, division winners, Wild Card contenders, and last place finishers(which I refer to as Bottom of the Barrel teams) in the last 10 years. In my Hypothesis I stated that world series finishers would have better run production then division winners, Wild Card contenders, and bottom on the barrel teams. My hypothesis was correct and world series contenders did have better run production then bottom of the barrel teams, Wild Card contenders, and division winners. I also found out that the run production in the last 10 years has gone down. Another factor that I found out was that the American league(AL) had better run production then the National League(NL). This is another theory of mine which I call the DH(Designated Hitter) factor. My theory of the DH factor is that the American League will always have better run production then the National League because the have the DH which is an extra hitter then a pitcher having to bat. This is a huge factor in baseball. If I could improve my project I would test more years and do players and teams and test the free agency factor as show in the movie/book Money Ball where you take no name players with the same statistics as big time players and have the same possible outcome.	
Summary Statement My project is about predicting run production with different equations.	
Help Received My parents Pamela and David Jarecki and ,my mentors Lisa Arreola and Thomas Hurst	