



# CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

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| <b>Name(s)</b><br><b>Ian M. Gallagher</b>   | <b>Project Number</b><br><b>J1407</b> |
| <b>Project Title</b><br><b>Scouting vs. Sabremetrics</b>  |                                       |
| <p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b><br/>I got the idea for my project from the movie Moneyball. I chose it because I wanted to learn a little more about baseball and have fun doing it. Scouting is where they look at a player's abilities on site and write a report on it. Teams are usually comprised of one to two good players and a few less than average players. Teams with bigger salaries are usually better than others because they can field a team of all good players. They also mainly use the players hitting when evaluating offensive ability. In sabermetrics people look at the raw data on players and field a team of all average players. Also the teams look more at the ability to get on base (OBP) instead of hitting. The teams with bigger salaries now field a team of all good players based on sabermetrics which defeats the ability of teams with smaller salaries to use sabermetrics to compete with the larger teams salaries. Even though this happened, sabermetrics still leveled out the playing field in baseball for a while.</p> <p><b>Methods/Materials</b><br/>Materials: Computer, Internet, Word Processing<br/>Procedure: Collect data on team salaries, Organize into graphs, Collect data on teams average and teams OBP, Organize data into graphs, Write conclusion and introduction, Make poster.</p> <p><b>Results</b><br/>My results showed that teams use an even mix of scouting and sabermetrics determined by the coach or general manager</p> <p><b>Conclusions/Discussion</b><br/>Teams use a little bit of scouting and a little bit of sabermetrics in a balance. As shown in my data the teams were very close to each other, in hitting and getting on base, but teams with more money were generally a little better. The Phillies, the New York Yankees, the Boston Red Sox, most of The AL Central, the Texas Rangers, and the St. Louis Cardinals all seemed to have the best percentages. When calculating the percentages I got rid of players who did not play more than fifteen games on that team. I also got rid of players who did not have at least thirty at bats which consisted mostly of closing pitchers in the national league. I could improve the data gathered by finding a different and better medium for figuring out who uses what.</p> |                                       |
| <b>Summary Statement</b><br>My project is about baseball and how teams evaluate players   |                                       |
| <b>Help Received</b>  |                                       |