



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Arjun B. Sharma	Project Number J1316
Project Title The Ket to a Winning Streak	
Abstract Objectives/Goals The object of this project is to identify the most significant baseball statistic associated with winning streaks. Methods/Materials Winning streaks were identified in the 2006 and 2007 season using the website <www.mlb.com>. The four categories Batting Average, Runs Scored, Earned Run Average, and Errors were calculated during the winning streak and the whole season. The statistics during the winning streak were compared to the season average using the T-test, which required data values such as mean and standard deviation. Results The Earned Run Average was most significantly associated with the winning streak in 74% of the winning streaks. Whereas the other three categories (Batting Average, Runs Scored, and Errors) were less than 44% significantly associated with the winning streaks. Conclusions/Discussion The team Earned Run Average is the most significant statistic in relation to a winning streak.	
Summary Statement This project examines the statistical significance of baseball parameters during winning streaks	
Help Received I recieved help from supervisor Mr. Schwab for ideas on statistical analysis. My parents purchased posterboard and binder.	