Believing that applying statistics to an area that a student both enjoys and understands will enhance the learning process and at the same time set the stage for them to do original math research led me to create the course “Baseball and Statistics” in 2008 at Quinnipiac University. The course, using the book “Sandlot Stats: Learning Statistics with Baseball”, is open to any student. After studying the usual topics in probability and statistics, the students are presented original mathematical research topics such as: calculating the probability a given player duplicates DiMaggio’s 56-game hitting streak and using linear regression to predict winning percentage. At the beginning of the course each student chooses a player they initially believe should be in the Hall of Fame. At the end of the course each student gives a Powerpoint Presentation justifying whether their chosen player should be admitted to the Hall. I will present a sample of one of my students’ independent research projects done during the course. This student was invited to present his research at an Undergraduate Conference given by Sigma Xi. After taking my course, several students have obtained internships and jobs in sports analytic departments. (Received August 06, 2015)