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UMU, 1972 Clark Ave., Alliance, OH 44601. *Motivating Student Learning Through Sports-Related Projects.*

How important is a player to a team? What is the highest score that one could get in bowling without any strikes? Is a 5'11" basketball player more likely to be a WNBA player or NBA player? Can a team's previous record be used to accurately predict future performance? These are the types of questions that are being studied using statistics, sabermetrics and the theory of win shares.

The author has created projects that motivate students to discover the use of models to analyze data related to sports. The projects guide the student, in small steps, using the sports-related data, toward an understanding of various mathematical concepts. Examples will be shown that use WebAssign to accomplish this goal. Challenges in making these projects machine-gradable will be presented and discussed. The alignment with mathematics curriculum standards will also be considered. (Received September 20, 2015)