MA 124 : Elementary Statistics through Baseball

Introduction to standard statistical concepts and techniques through the study of baseball and baseball statistics. General topics include surveys and sampling, observational studies vs. controlled experiments, binomial and normal distributions, correlation and regression. Baseball-specific topics include nontraditional statistics such as OPS, making strategic decisions using run-production tables, using individual batting statistics to predict team runs and team win/ loss ratios, and modeling game play with chance models. Students will have the opportunity to conduct analyses of their own design.

Credits 4.0