

MATH 107R: Statistics II

Statistics II is the continuation of Statistics I. The course begins with a review of sampling distributions and topics from Statistics I as necessary. The focus of the course is on strengthening proficiency with descriptive and inferential statistics by studying topics including probability, Binomial and Geometric Distributions, confidence intervals and hypothesis testing for proportions and means, Chi-square Tests, inference for regression, and Analysis of Variance. Student centered, the course engages students in projects and case-studies and is focused on activity-based instruction that integrates technology (e.g., dynamic statistical packages, spreadsheets) and emphasizes the conceptual understanding of the statistical concepts studied.

Credits: 4

Lecture Hours: 4

Prerequisites:

MATH 106R

(or equivalent)

Program: [Mathematics](#)