

MATH 233: STATISTICAL METHODS & THEORY I (Q)

An introduction to applied statistics and theory. Topics include measures of central tendency, discrete and continuous random variables, Normal distributions, Binomial distributions, sampling distributions and the Central Limit Theorem, probability, correlation and regression, producing data from sampling and experiments, hypothesis testing using the z, t, chi-square, and F distributions, confidence intervals, and analysis of variance. The statistical software package SPSS will be used to illustrate the material presented.

Credits: 3

Prerequisites:

B or higher in INT 222 and MATH 159, or PSYC 250, or MATH 211. Spring semester.

Department: [Mathematics & Applied Mathematics](#)