

MATH217R : Probability and Statistics

This course begins with a discussion of the differences between descriptive and inferential statistics, the different types of data, and the rudiments of statistical distributions. Classical probability theory and probability distributions are discussed in general. Specific probability distributions appropriate to discrete data and continuous data are developed in detail. Estimation, hypothesis testing, and applications provide “real life” examples. Linear relationships, and regression analysis provide another means to make predictions and show correlations.

Credits 4

Lecture Hours 4

Prerequisite Courses

MATH210R

MATH211R