

# Math 380: Statistical Computing and Data Analysis

## Mathematics

This course is an introduction to statistical computing and data analysis in R or SAS. Topics include basic programming, simulation and bootstrap sampling, exploratory data analysis, statistical graphics, simple linear and multiple linear regression modeling, logistic regression and classification, linear discriminant analysis and clustering. Real data applications are emphasized in this course.

3 Credits

### Prerequisites

- [Math 375: Introduction to Statistics I](#) (Minimum grade: C)

### Instruction Type(s)

- Lecture: Lecture for Math 380

### Subject Areas

- [Statistics, General](#)

### Related Areas

- [Mathematical Statistics and Probability](#)

