

**Course:**

**DATA 3100 Data Visualization With R**

**4 hours**

**Majors, Minors & Degrees:**

**Majors**

Data Analytics (B.A., B.S.)

**Minors**

Data Analytics

**Departments/Programs:**

Mathematics and Computer Science

A study of data visualization, including principles and techniques. Students will analyze the effectiveness of visualizations, create a wide array of visualizations using the programming language R, and communicate a story through them. Significant emphasis will be placed on getting and cleaning data.

*Prerequisite(s): Grade of "C" or better in CMPSC 1100 Python Programming I and grade of "C" or better in one of the following statistics courses: BUSAD 2100 Business and Economic Statistics, MATH 1300 Statistics, MATH 3100 Differential Equations, POLSC 2000 Introduction to Political Science Statistics, PSYCH 2100 Psychological Statistics, or SOC 2910 Social Statistics.*