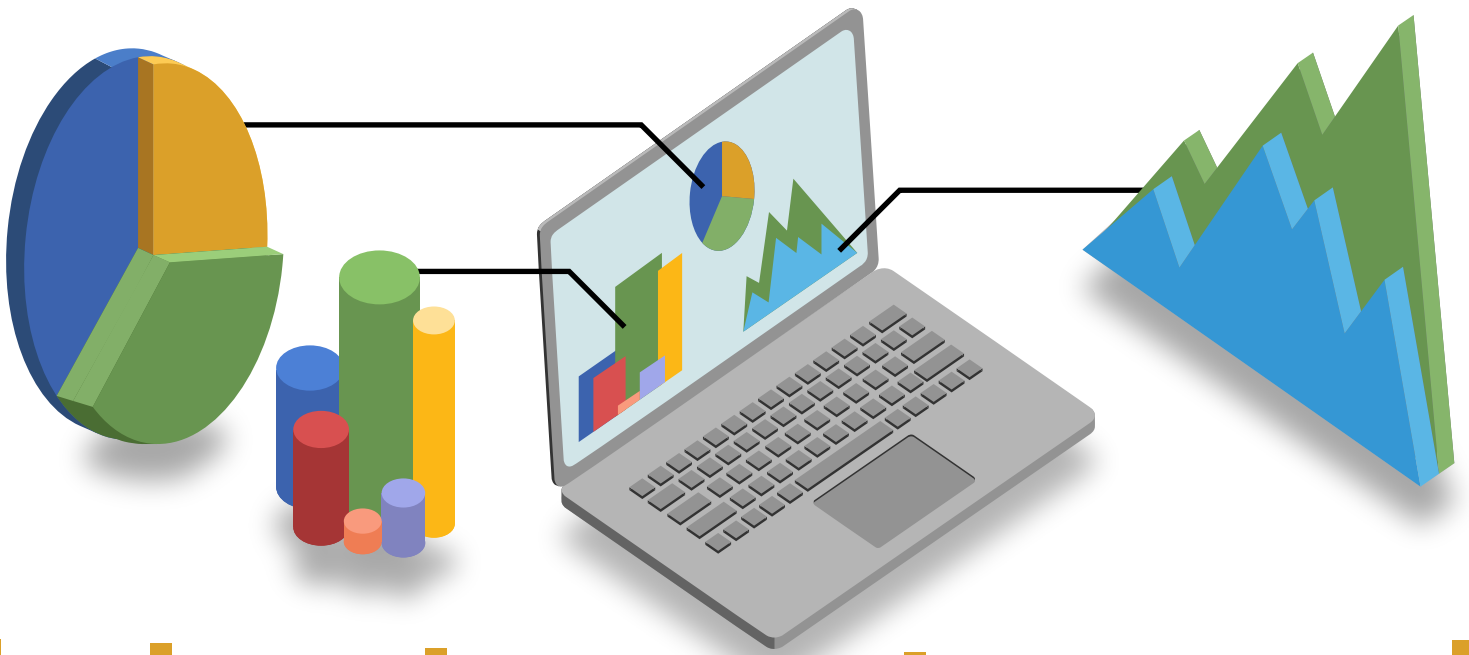# DAT 375

Data Analysis Techniques

Course Description

Students will apply common methods that data analysts use to perform data analysis. Students will also use critical tools and technology to draw conclusions from the analysis that are relevant to organizational challenges.

Projects

The course goals are communicated through three competency statements instead of through course outcomes. Competencies represent the knowledge and skills relevant to your field. Additionally, there is not a single final project like you may have seen in other courses. Instead, there are two smaller projects. Project One is tied to the first competency; Project Two is tied to the second and third competencies. Still, the amount of material covered, the level of difficulty, and the workload expectations are all typical for a 300-level course.

Project One (Module Four Submission)

Perform a demonstration of the preparation process used for the data analysis of an organizational challenge by describing the tools, techniques, and technology required to address that challenge.

In this project, you will demonstrate mastery of the following competency:

- Determine when to apply various data analysis methods, tools, and technology

Project Two (Module Seven Submission)

Perform a data analysis based on an organizational problem and draw conclusions from the results.

In this project, you will demonstrate mastery of the following competencies:

- Perform data analysis using common analytic techniques
- Draw conclusions from the results of data analysis