Overview

The focus of this course is visualizing and telling stories with data. This course begins with a description of the growth of data and visualization in industry, news, and government. Actual human stories will be reviewed from a data-statistical perspective. The creation of graphs, displays and geospatial data presentations to communicate information supporting decision making while implementing best practices for effective storytelling will be examined.

Competencies

- **Data Visualization Presentation**
  The graduate implements best practices using data visualization techniques for effective storytelling.

- **Visualizing Relationships and Differences**
  The graduate creates visualizations representing the relationships and differences of the data.

- **Visualizing Data Patterns and Proportions**
  The graduate creates patterns and proportions for effective data visualization.

- **Configure Data for Visualization**
  The graduate configures data for visualization.

- **Advanced Elements of Data Visualization**
  The graduate describes the fundamentals of effective story-telling through data visualization.

Learning

**Getting Started**

Welcome to Advanced Data Visualization. This course uses uCertify learning resources which contain all of the necessary reading materials, interactive learning activities, knowledge checks, and labs. For the best understanding of the course content, complete each lesson assigned. To help you track your progress, we suggest you follow the pacing guide identified at the beginning of the course. Your competence will be demonstrated by the successful completion of a real world application of skills by identifying appropriate sources of data, scraping and cleaning data, and presenting that data in different formats to effectively tell a story via a performance assessment.

Note: Use of the Data Analytics Lab Sandbox link, located within the Course Information portion of the course, will take you directly to the MSDA Program lab environment. Select the “Go to Course Materials” button to begin.
Course Information

Data Analytics Lab Sandbox

Course Instructor Group

- cmdataanalytics@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors