Overview

This course covers the application of design principles, human perception, color theory, and effective storytelling in the context of data visualization. It addresses presenting data to others, facilitating aspirations to be an analyst or data scientist, and advancing technology with visualization tools. Additionally, this course focuses on how to visually encode and present data to an audience.

Competencies

- **Basic Elements of Data Visualization**
  The graduate defines key data elements in the context of data science.

- **Data Visualization Techniques**
  The graduate produces graphics from a given data set using visualization tools and techniques.

- **Data Visualization & Best Practice Design Principles**
  The graduate incorporates best practices for design with focus on presentation elements.

- **Data Visualization: Effective Communication & Presentation**
  The graduate creates an interactive visualization that communicates the meaning of data to an appropriate audience.

- **A/B Testing**
  The graduate designs an A/B test experiment to accurately validate and recommend appropriate changes.

Learning

**Getting Started**

Welcome to Introduction to Data Visualization! This is the last WGU course of the series to complete your nanodegree! Your competence in this course is assessed by the successful completion of two projects, Data Visualization in D3 and A/B Testing, which you will submit directly through Udacity. You may find these modules located in the “Extracurricular” section of the learning resource; however, both projects must be passed to receive credit for this course. The learning to support these projects includes video presentations interspersed with quizzes and problem sets.

The prerequisite for this course is Data Analysis With R - C751.
Select GO TO COURSE MATERIAL. From the Udacity sign-in page use the account created during your resource enrollment process.

Course Information

The Writing Center
WGU Library
Student Success Center
Accessibility Policy
Pacing Guide

Course Instructor Group

cmugdataanalytics@wgu.edu

Course Instructor Responsibility
How to Work with Course Instructors