Overview

This course focuses on exploratory data analysis (EDA) utilizing R. EDA is an approach for summarizing and visualizing the important characteristics of a data set. Exploratory data analysis focuses on exploring data to understand the data's underlying structure and variables to develop intuition about the data set, to consider how that data set came into existence, and to decide how it can be investigated with more formal statistical methods.

Competencies

- **Data Analysis Fundamentals**
  The graduate explains the principles and concepts of exploratory data analysis.

- **Exploratory Data Analysis Application**
  The graduate conducts exploratory data analysis.

- **Interpreting the Results of Exploratory Data Analysis**
  The graduate predicts an outcome based on the results of the exploratory data analysis.

Learning

**Getting Started**

Welcome to Data Analysis With R! Your competence in this course is assessed by the successful completion of the following project:

1. “Explore and Summarize Data” in module “(5) Exploratory Data Analysis”

You will submit the project directly through Udacity. The learning to support this project includes video presentations interspersed with quizzes and problem sets.

Important Note: Once you are enrolled in this course, you will have access to continue on to complete the Udacity nanodegree, which WGU has spread across five total courses. Do not complete any work not assigned to courses for which you are not currently enrolled in your WGU student portal. Maintaining synchronicity between the Udacity nanodegree and the WGU degree plan is important for you to get proper academic credit.

The prerequisite for this course is Introduction to Data Science - C749.

**GO TO COURSE MATERIAL**