Overview

This Introduction to Data Science course introduces the data analysis process and common statistical techniques necessary for the analysis of data. Students will ask questions that can be solved with a given data set, set up experiments, use statistics and data wrangling to test hypotheses, find ways to speed up their data analysis code, make their data set easier to access, and communicate their findings.

Competencies

- **Foundations of Data Science**
  The graduate describes the foundations of data science.

- **Data Wrangling**
  The graduate creates a data set that is usable for analysis by applying data wrangling techniques.

- **Statistical Techniques**
  The graduate incorporates statistical techniques to assist with parametric, nonparametric, and linear regression analyses.

Learning

**Getting Started**

Welcome to Introduction to Data Science! Your competence in this course is assessed by the successful completion of the Udacity projects in the following list:
Optional Project 0 provides a necessary foundation for future work within the nanodegree. It introduces you to a low-stakes overview of how the Udacity experience works, including how to submit projects and receive feedback. Each Udacity project features associated video presentations interspersed with exercises and quizzes. After most lessons, you are presented with associated problem sets. These problem sets are the foundation of the work you will be doing in your project. After you pass a project (submitted through Udacity), your pass or fail grade will be submitted to WGU.

Once you have passed all the Udacity projects assigned within WGU's 5-course series, you will have earned a Data Analysis nanodegree!

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 5 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 Scripting and Programming Foundations - C173.

Select GO TO COURSE MATERIAL, scroll to the bottom of the page, click on the Google logo to login. Use your WGU account.

NOTE: Log out of other Google accounts first
Course Information

The Writing Center
Accessibility Policy
Student Success Center
WGU Library
Pacing Guide
First Attempt Checklist

COURSE INSTRUCTOR

Course Instructor Group

cmugdataanalytics@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors

ANNOUNCEMENTS

COURSE TIPS