Overview

This course covers data science tools and techniques to perform data wrangling and exploration. You will be introduced to programming languages and web scraping tools along with machine learning models.

Competencies

- **Database Management System**
  
  The graduate performs data analysis using database systems and query language.

- **Data Wrangling**
  
  The graduate manages data using wrangling tools, techniques, and methods.

- **Data Analysis**
  
  The graduate performs data analysis using software tools and techniques.

Learning

**Getting Started**

Welcome to Data Science Tools and Techniques. This course uses TeamLeada learning resources which contain all of the reading materials, interactive learning activities, and knowledge checks needed to successfully complete this course. For the best understanding of the course content, complete each module assigned. To help you track your progress, we suggest you follow the pacing guide identified within the Course Information portion of the course. Your competence will be demonstrated by the successful completion of a real world application of data science tools, and data wrangling and exploration techniques 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 MS DA Program lab environment. Select the “Go to Course Materials” button to begin.

[GO TO COURSE MATERIAL]
Accessibility Policy
Student Success Centers
Pacing Guide
First Attempt Checklist

Course Instructor Group

cmdataanalytics@wgu.edu

Course Instructor Responsibility
How to Work with Course Instructors