Overview

This course covers a broad range of statistical techniques and methods applied in real-world settings. Topics presented include inferential, parametric and non-parametric statistics, as well as regression analysis and analysis of variance.

Competencies

- **Nonparametric Analysis**
  The graduate identifies nonparametric statistical techniques.

- **Parametric Analysis**
  The graduate evaluates two-sample t-tests, linear regression, and analysis of variance (ANOVA) procedures.

- **Multiple Regression**
  The graduate evaluates multiple regression scenarios and models.

- **Categorical Data Analysis Techniques**
  The graduate evaluates characteristics of categorical data analysis techniques.

- **Logistic Regression**
  The graduate evaluates key aspects of logistic regression.

- **Principal Component Analysis**
  The graduate evaluates key aspects of principal component analysis (PCA).

Learning

**Getting Started**

Welcome to Statistics for Data Analysis. This course uses Zybooks learning resources which contain all of the reading materials, interactive learning activities, and knowledge checks. For the best understanding of the course content, complete each chapter assigned. To help you track your progress in the course, follow the Pacing Guide identified within the Welcome chapter of the course to keep you in the suggested course completion timeframe. Your competence will be demonstrated by the successful completion of an objective assessment.

Note: Use the Data Analytics Lab Sandbox link located within the Course Information section below. This link will take you directly to the MSDA Program lab environment. Select the “Go to Course Materials” button to begin the coursework.
Failed to retrieve assessments

Course Information

Data Analytics Lab Sandbox
The Writing Center
WGU Library
Student Success Centers
Accessibility Policy
First Attempt Checklist

Course Instructor Group

cmdataanalytics@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors

ANNOUNCEMENTS

COURSE TIPS

COURSE SEARCH

COURSE CHATTER