

1.1 Welcome



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WGUStatisticsForDataAnalytics

Summary

This material provides a new, highly-interactive introduction to the growing field of data analytics. The material reviews necessary statistics background; introduces common tests for comparing data from two populations, including traditional parametric tests, and increasingly-popular non-parametric tests; describes comparison techniques when data is categorical; teaches how principal component analysis can reduce variables to simplify analysis; examines using linear regression with multiple predictor variables; and shows how logistic regression is used with binary response variables.

Use the Table of Contents from the left menu to navigate through each chapter of the course.

Each chapter includes:

- Animations
- Learning questions
- Tools for core concepts
- Challenge activities

Use the pacing guide below to stay within the suggested course completion timeframe. Eight weeks for the course content and one week to complete the objective assessment.

This course has many hands-on learning activities. Enjoy your learning experience!

Table 1.1.1: Pacing guide.

Week	Chapters
	Getting Started
Week 1	Chapter 2 - Statistics Background
Week 2	Chapter 3 - Parametric Analysis
Week 3	Chapter 4 - Nonparametric Analysis
Week 4	Chapter 5 - Categorical Analysis

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Week 4	Chapter 5 - Categorical Analysis
Week 5	Chapter 6 - Principal Component Analysis
Week 6	Chapter 7 - Multiple Regression
Week 7	Chapter 7 - Multiple Regression (continued) Chapter 8 - Logistics Regression
Week 8	Chapter 8 - Logistics Regression (continued)
Week 9	Objective Assessment

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