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## Module 12 Overview & Checklist

### Analysis of Variance

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## 1 Learning Objective(s)

### 1.1 Textbook Learning Objectives

- Discuss basic ideas of linear regression and correlation.
- Create and interpret a line of best fit.
- Calculate and interpret the correlation coefficient.
- Calculate and interpret outliers.

### 1.2 Instructor Learning Objectives

- Understand the concept of prediction and how it ties into linear regression
- Begin to see the broader applications of regression outside the simple applications

## 2 Assessments

Quiz 11 on Module 11 Content on Canvas

## 3 Lecture(s) & Participation

Watch Module 12 Lecture on Canvas and Take Notes

Complete and Turn-in Module 12 Lecture Check-in on Canvas

## 4 Reading(s)

*Under “Readings” in Canvas Module*

Read Chapter 12 of Textbook

## 5 Homework & Assignment(s) Due

*Under “Assignments” in Blackboard Module*

*No Additional Assignments this week*

## **6** Looking Ahead

- Quiz 12 Next Week on Canvas