



**BALL STATE**  
**UNIVERSITY**

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# **Module 13 Overview & Checklist**

Analysis of Variance

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Quinton Quagliano, M.S., C.S.P

Department of Educational Psychology

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## 1 Learning Objective(s)

### 1.1 Textbook Learning Objectives

- Interpret the F probability distribution as the number of groups and the sample size change.
- Discuss one use for the F distribution: one-way ANOVA
- Conduct and interpret one-way ANOVA.

### 1.2 Instructor Learning Objectives

- Appreciate the ANOVA as another test in your toolbox alongside the other tests for dealing with categorical and continuous outcome variables
- Understand the F-distribution as another practical distribution for deriving inferences and conclusions

## 2 Assessments

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Quiz 12 on Module 12 Content on Canvas

## 3 Lecture(s) & Participation

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Watch Module 13 Lecture on Canvas and Take Notes

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Complete and Turn-in Module 13 Lecture Check-in on Canvas

## 4 Reading(s)

*Under "Readings" in Canvas Module*

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Read Chapter 13 of Textbook

## 5 Homework & Assignment(s) Due

*Under "Assignments" in Blackboard Module*

- ☐ Complete Practical Assignment IV on Canvas
- ☐ Complete Final Preparation Survey
- ☐ Complete course evaluation

## 6 Looking Ahead

- ☐ Enjoy next week of Thanksgiving Break!
- ☐ Begin preparation and review for the final exam!