



**BALL STATE
UNIVERSITY**

Module 13 Overview & Checklist

Analysis of Variance

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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!