



BALL STATE
UNIVERSITY

Module 3 Overview & Checklist

Introduction to Statistical Methods

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1 Learning Objective(s)

1.1 Textbook Learning Objectives

- Understand and use the terminology of probability.
- Determine whether two events are mutually exclusive and whether two events are independent.
- Calculate probabilities using the Addition Rules and Multiplication Rules.
- Construct and interpret Contingency Tables.
- Construct and interpret Venn Diagrams.
- Construct and interpret Tree Diagrams.

1.2 Instructor Learning Objectives

- Begin to appreciate how probability connects back to the broader idea of statistics
- Understand the emphasis of chance and probability, not certainty

2 Assessments

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Quiz 2 on Module 2 Content on Canvas

3 Lecture(s) & Participation

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Watch Module 3 Lecture on Canvas and Take Notes

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Complete and Turn-in Module 3 Lecture Check-in on Canvas

4 Reading(s)

Under "Readings" in Canvas Module

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Read Chapter 3 of Textbook

5 Homework & Assignment(s) Due

Under "Assignments" in Blackboard Module

"I don't mind not knowing. It doesn't scare me." — Richard P. Feynman

☐ Complete Practical Assignment I on Canvas - Should be done **after** all other work for the week

6 Looking Ahead

☐ Quiz 3 Next Week on Canvas