



**BALL STATE**  
**UNIVERSITY**

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# **Module 2 Overview & Checklist**

Introduction to Statistical Methods

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# 1 Learning Objective(s)

## 1.1 Textbook Learning Objectives

- Display data graphically and interpret graphs: stemplots, histograms, and box plots.
- Recognize, describe, and calculate the measures of location of data: quartiles and percentiles.
- Recognize, describe, and calculate the measures of the center of data: mean, median, and mode.
- Recognize, describe, and calculate the measures of the spread of data: variance, standard deviation, and range.

## 1.2 Instructor Learning Objectives

- Understand the complementary value of visual and numeric descriptions of data
- Be able to compare and contrast the use cases for different metrics

# 2 Assessments

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Quiz 1 on Module 1 Content on Canvas

# 3 Lecture(s) & Participation

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Watch Module 2 Lecture on Canvas and Take Notes

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Complete and Turn-in Module 2 Lecture Check-in on Canvas

# 4 Reading(s)

*Under "Readings" in Canvas Module*

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Read Chapter 2 of Textbook

# 5 Homework & Assignment(s) Due

*Under "Assignments" in Blackboard Module*

*No Additional Assignments this week*

## **6 Looking Ahead**

☐ Quiz 2 Next Week on Canvas