



**BALL STATE**  
**UNIVERSITY**

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# **Module 4 Overview & Checklist**

Introduction to Statistical Methods

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## 1 Learning Objective(s)

### 1.1 Textbook Learning Objectives

- Recognize and understand discrete probability distribution functions, in general.
- Calculate and interpret expected values.
- Recognize the binomial probability distribution and apply it appropriately.
- Classify discrete word problems by their distributions.

### 1.2 Instructor Learning Objectives

- Refresh on understanding of behavior and characteristics of discrete variables
- Understand the how to write probability distribution function tables and use them in calculation
- Be able to continue to write coherent and readable notation for probability problems

## 2 Assessments

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Quiz 3 on Module 3 Content on Canvas

## 3 Lecture(s) & Participation

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Watch Module 4 Lecture on Canvas and Take Notes

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Complete and Turn-in Module 4 Lecture Check-in on Canvas

## 4 Reading(s)

*Under "Readings" in Canvas Module*

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Read Chapter 4 of Textbook

## 5 Homework & Assignment(s) Due

*Under "Assignments" in Blackboard Module*

*No Additional Assignments this week*

## **6 Looking Ahead**

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Quiz 4 Next Week on Canvas