Assessments

STAT 109: Introductory Biostatistics

Assessments

Overview

This course includes several types of assessments designed to help you learn and to demonstrate your understanding of statistical concepts and methods.

Component	Weight	Description
Daily Participation	5%	Warm-up problems in lecture (Mondays, Wednesdays, Fridays)
Weekly quizzes	30%	Quizzes on Thursdays at the beginning of lab
Weekly labs	15%	Programming labs due Tuesdays in Canvas
Two midterms	30%	Midterm 1 (Week 6, Friday) and Midterm 2 (Week 13, Friday)
Five projects	20%	Projects due Sundays at ends of weeks 5, 8, 10, 12, and 15
Total	**100%**	

Daily Participation (5%)

Daily warm-up problems are completed at the beginning of each lecture (Mondays, Wednesdays, and Fridays). These collaborative activities give you an opportunity to work as a team with your classmates and practice key concepts.

Weekly Labs (15%)

Weekly programming labs provide hands-on practice with statistical analysis using R. Labs are **due Tuesdays in Canvas**. I'll help you write the code during the Thursday lab session before they're due. Labs are graded on completion and your reflection. After the due date, a solution will be posted, so late submissions are generally not accepted except in documented emergencies.

Individual Labs

- Lab 1 - Week 1 (due Tuesday, Week 2)
- Lab 2 - Week 2 (due Tuesday, Week 3)
- Lab 3 - Week 3 (due Tuesday, Week 4)
- Lab 4 - Week 4 (due Tuesday, Week 5)
- Lab 5 - Week 5 (due Tuesday, Week 6)
- Lab 6 - Week 7 (due Tuesday, Week 8)
- Lab 7 - Week 8 (due Tuesday, Week 9)
- Lab 8 - Week 9 (due Tuesday, Week 10)
- Lab 9 - Week 10 (due Tuesday, Week 11)
- Lab 10 - Week 11 (due Tuesday, Week 12)

- Lab 11 - Week 12 (due Tuesday, Week 13)
- Lab 12 - Week 14 (due Tuesday, Week 15)
- Lab 13 - Week 15 (due Tuesday, Finals Week)

Weekly Quizzes (30%)

Weekly quizzes are administered on **Thursdays at the beginning of lab**. They assess your understanding of key concepts from the lessons, practice problems, and labs. If you need to miss a quiz due to illness or other emergencies, please contact me to make an arrangement to take it at another time.

Individual Quizzes

- Quiz 1 - Week 1
- Quiz 2 - Week 2
- Quiz 3 - Week 3
- Quiz 4 - Week 4
- Quiz 5 - Week 5
- Quiz 6 - Week 7
- Quiz 7 - Week 8
- Quiz 8 - Week 9
- Quiz 9 - Week 10
- Quiz 10 - Week 11
- Quiz 11 - Week 12
- Quiz 12 - Week 14
- Quiz 13 - Week 15

Projects (20%)

Five projects throughout the semester allow you to apply statistical methods to practical, real-world problems. Projects are **due on Sundays** at the ends of weeks 5, 8, 10, 12, and 15 in Canvas. You may submit a late project up to a week late with no penalty. After a week, a project can be turned in for 70% of the grade. Projects can be used as part of a portfolio.

Individual Projects

- Project 1 - Due Sunday, Week 5 (Feb 22)
- Project 2 - Due Sunday, Week 8 (Mar 15)
- Project 3 - Due Sunday, Week 10 (Apr 5)
- Project 4 - Due Sunday, Week 12 (Apr 19)
- Project 5 - Due Sunday, Week 15 (May 10)

Exams (30%)

Midterms

- **Midterm 1:** Week 6, Friday (in lecture)
- **Midterm 2:** Week 13, Friday (in lecture)

Midterms require you to demonstrate your understanding of the course material. If you need to miss a midterm due to illness or other emergencies, please communicate with me as soon as possible to reschedule it. Alternatively, you may take the optional final exam to replace a missed midterm grade.

Final Exam (Optional)

Final Exam: Wednesday, May 13, 2026, 10:20–12:10 PM, BSS 166

The final exam is optional and may be taken to replace a midterm grade. It is held during the scheduled final exam period.

Grading Scale

Final letter grades will be assigned based on overall performance:

A: 93-100% | A-: 90-92% | B+: 87-89% | B: 83-86% | B-: 80-82% | C+: 77-79% | C: 73-76% | C-: 70-72% | D: 60-69% | F: 0-59%

A minimum grade of **C-** is required for the course to count toward GE Area 2.