August 18, 2021

# STAT 201 Basic Statistics For Social Sciences & Life Sciences Fall 2021

Instructor: Paula A. FitzGibbon

Phone/email: **paf3@case.edu**

Office Hours: In person on Tu/Th 11:25-12:45 Yost 262 or by Zoom “drop in” hours as listed in Announcements (on Canvas) or by appointment

Course Description:

Introduction to applied statistical analysis. Descriptive and inferential statistics. Concepts of population, sample, sampling distribution, elements of probability, discrete distributions. Hypothesis testing and confidence intervals for one and two population means and proportions, as well as linear regression and correlation, Chi-square and ANOVA. Excel and SPSS output will be discussed and analyzed.

Textbook: Introduction to the Practice of Statistics, Moore and McCabe, 9th Edition

E-book: ISBN:9781319055967

Hard cover: ISBN:9781319013387

Loose Leaf: ISBN:9781319013622

**Fall 2021:**

Grading:

Quizzes 100 points

Exam 1 100 points Thursday, October 14

Exam 2 100 points Tuesday, November 30

90% A

80% B

70% C

60% D

< 60% F

**Important Dates:**

Drop/Add: Friday, September 3, 2021

Deadline for class Withdrawal (W) P/NP Upperclass Friday, November 5, 2021

Deadline for class Withdrawal (W) P/NP First Year Friday, December 3, 2021

**Quizzes & Exams:**

There will be 4 quizzes each worth 25 points given throughout the semester and 2 Exams each worth 100 points. Quizzes will be given at the end of the class on the dates listed below. You will need calculators for all quizzes and exams (graphing calculators allowed but not required).

**Quiz/Exam Schedule**: **END OF CLASS**

Quiz 1 Tuesday, September 7 Sections 1.1-1.3

Quiz 2 Thursday, September 23 Sections 1.4 and Chapter 2

Exam 1 Thursday October 14 Sections 1.1-5.3 (omit chapter 3).

Quiz 3 Tuesday, November 2 Chapter 6

Quiz 4 Tuesday, November 16 Sections 7.1-7.2

Exam 2 Tuesday, November 30 Chapters 6-10.1

**\*NO FINAL EXAM – Fall 2021**

Peer Tutoring in avaiable: Visit <https://students.case.edu/academic/tutoring/peer/>

for more information.

**Extra Credit**: Optional Extra Credit will be announced throughout the semester, as well as, posted on Announcements on Canvas. If you attend any extra credit University events (make sure you sign in, if applicable). Extra credit summary is due within one week of the assignment (upload pdf to Extra credit on Canvas). There is a maximum of 3 extra credit assignments (6 points) for the semester.

**Attendance:**

Students are expected to attend class to get a better understanding of the material. It is the student’s responsibility to attain notes from other classmates if a class is missed. Initial the attendance sheet each class. It will be on my desk in the classroom. You may not sign for others. It is the student’s responsibility to sign the attendance sheet each day. Any late arrivals for class should avoid disrupting the class when they enter the classroom. Thank you.

STAT 201

**9th** Edition Moore and McCabe

Homework will not be collected for a grade. Exercises have been assigned below to help you understand and practice the material that is discussed in class and the textbook. The odd answers are in the back of your textbook.

Homework

Section Exercises

* 1. 9ab,11
  2. 17,23,25,27,38
  3. 43,45,47,51,53,65,67a,75,77,79
  4. 95,99,115,119,121,123,125,129,131,133,135

2.1 1,5

2.2 17,27,28a

2.3 41,49

2.4 61,62,63,69,71,73,79

2.5 93,95

2.6 113\*,115,117,125ab

4.2 21,25,31\*,35\*

4.3 43,45,47,57

4.4 67,71,75

4.5 89,99a,101,102,103,107, prob. handout

5.1 7a-d,12

5.2 18,19,25,31

5.3 49,51,61,63ab,69, handout

6.1 1,9,15,17,19,27,33

6.2 41,45,49ab,51,53,59,61,73a,75

6.3 93,97,99

7.1 1,3,4,5,15,18,19,21,23,25,29,45b

7.2 49,53,55,63,69,71

8.1 1,3,15,17abc,27ab,33,39

8.2 47,51,63a-f,65

9.1 25,27

\* answers in the back of the book are incorrect.

4.31/ Rh+A.3528 Rh+B .0924 Rh+AB .0252 Rh+O .3696

4.35/ .4404

**Academic Integrity:**

<https://bulletin.case.edu/undergraduatestudies/academicintegrity/>

**Exams and Quizzes must be completed on your own. No checking work with others, completing work with others, no asking others for help during a take home quiz or exam. No using past quizzes and/or tests from others to complete your work. Any violations will result in a score of 0 and possible failure from the course.**

Definition of Violations

All forms of academic dishonesty including cheating, plagiarism, misrepresentation, obstruction, and submitting without permission work to one course that was completed for another course are violations of academic integrity standards.

* Cheating includes but is not limited to copying from another's work; falsifying problem solutions or laboratory reports; or using unauthorized sources, notes or computer programs; or otherwise failing to follow the instructions or procedures in place for a particular testing situation.

Misrepresentation and Obstruction

Reports of suspected academic misrepresentation or obstruction occurring in settings other than the classroom will be referred by the Office of Student Conduct and Community Standards for Academic Integrity Board action.

If the Academic Integrity Panel finds a student responsible for an academic integrity violation, the minimum sanction will be university disciplinary probation; the maximum penalty will be expulsion from the university.

**Disability Resources:**

# About Disability Resources

We are committed to assisting all Case Western Reserve University students with disabilities by creating opportunities to take full advantage of the University's educational, academic and residential programs.

To begin the registration process, please review the [**Getting Started**](https://case.edu/studentlife/disability/getting-started) section of our website. Here you will find information about how to register, our [**policies and procedures**](https://case.edu/studentlife/disability/procedures-and-information) for requesting, determining, and implementing accommodations, as well as a link to the [**Accessibility Information Management (AIM)**](https://andes.accessiblelearning.com/CWRU/) system, where our new student application is located.

If you have any questions about the registering or about eligibility for accommodations, please feel free to call us at [**216.368.5230**](tel:216.368.5230), stop into our office in 402 Sears, or send us an email at [**disability@case.edu**](mailto:disability@case.edu).

https://case.edu/studentlife/disability/