

STAT 1010-910: INTRODUCTION TO BUSINESS STATISTICS, SUMMER SESSION I 2024

May 27, 2024

Course Information

Instructor: Yuchen Wu

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Meeting Times: 10:15 am – 12:00 pm Monday to Friday from May 28, 2024 – July 3, 2024

Holiday: May 27 (Memorial Day) and June 19 (Juneteenth)

Location: 1201 SHDH (Steinberg-Dietrich Hall)

Office Hour: by appointment, location: ARB 306

Homework

We will post weekly homework on Canvas every Friday, due the following Friday. Solutions will be posted on Canvas after the due date. You can submit your homework on Gradescope. While submission is not mandatory, it is recommended to work on these problems as they resemble exam questions.

Exam

We will have two midterms and one final. You will be given sample problems to practice.

Grading

As for the grading, we offer two possible options.

1. 60% Homework + 20% Midterm + 20% Final
2. 50% Midterm + 50% Final

We will take the maximum of the two scores.

Textbook

Statistics for Business: Decision Making and Analysis by Robert A. Stine and Dean P. Foster, 3rd edition. You are not required to purchase the textbook. You may rent/borrow one copy or share one copy with your fellow students. If you are using a copy of a different edition, it is totally fine. Additionally, we will mainly use lecture handout for this course.

Emergencies and Difficulties

Do not hesitate and do make an effort to communicate with the instructor if you find yourself in serious difficulty, such as family emergencies, health problems, too many deadlines at the same time, demands from jobs you are holding to finance your studies, etc.

Tentative Schedule (subject to change)

1. May 28: Course logistics, Chapter 7 Probability Probability
2. May 29: Chapter 7 Probability
3. May 30: Chapter 7 Probability, Chapter 8 Conditional Probability
4. May 31: Chapter 8 Conditional Probability
5. June 3: Chapter 9 Random Variables
6. June 4: Chapter 9 Random Variables
7. June 5: Chapter 10 Association Between Random Variables
8. June 6: Chapter 10 Association Between Random Variables
9. June 7: Midterm 1 (Testing Chapters 7, 8, 9)
10. June 10: Discuss Midterm I
11. June 11: Chapter 2 Data
12. June 12: Chapter 4 Numerical and Graphical Summaries of Numeric Variables
13. June 13: Chapter 6 Bivariate Data
14. June 14: Chapter 11 Binomial Random Variables
15. June 17: Chapter 11 Binomial Random Variables
16. June 18: Chapter 12 Normal Random Variables
17. June 20: Chapter 12 Normal Random Variables
18. June 21: Midterm 2
19. June 24: Discuss Midterm 2
20. June 25: Chapter 15 Confidence Interval
21. June 26: Chapter 15 Confidence Interval
22. June 27: Chapter 15 Confidence Interval
23. June 28: Chapter 16 Hypothesis Testing
24. July 1: Chapter 16 Hypothesis Testing
25. July 2: Review
26. July 3: Final