STAT 1010-910: INTRODUCTION TO BUSINESS STATISTICS, SUMMER SESSION I 2023

Instructor Details:

1. Instructor: Kan Chen
2. Email: kanchen@wharton.upenn.edu
3. Time: 10:15AM - 12 every Monday to Friday from May 22 to June 28
4. Holiday: May 29 (Memorial Day observed) and June 19 (Juneteenth)
5. Classroom: 241 Wharton Academic Research Building (WARB)
6. Office hour: Friday 12:00 pm – 1:00 pm via zoom or by appointment

Homework:

1. Regular practice problems will be assigned.
2. You are expected to work on these practice problems because they resemble exam problems.
3. You are not expected to turn in your homework and homework will not be graded.
4. Solutions will be posted.
5. Feel free to discuss practice problems during my office hours; I will also discuss some practice problems during the class.

Exam:

1. Two midterms and one final.
2. You will be given sample midterms and a sample final to practice.
3. Actual exams are expected to be no harder than sample exams.

Grading:

1. Your final grade depends completely on two midterms and one final.
2. All exams have the same weights (1/3).

Emergencies and Difficulties:

It has been a challenging time for many reasons; please do let me know if you have encountered any emergency (e.g., health-related problems, family emergencies, etc).

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; however, you should have access to one for regular reading assignments. 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; we may work out the minor edition-to-edition differences. Additionally, we will mainly use lecture handout for this course.

Tentative Schedule (subject to change):

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