ECON174 Statistics for Economists
Spring, 2020

To do your homework, you need to learn some Excel functions by yourself. It might be very burdensome for some students.

Instructor:
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Text Book:
    Weiss, "Introductory Statistics"

Learning Objectives:
The main goal of this course is to understand statistical analysis of data and to apply to various issues in reality using Excel. The topics include the basic concept of probability and statistics with the application of practical cases.

Assignments:

Several Excel homework assignments will be assigned during the semester that will involve qualitative discussions, and working through quantitative analyses and computations. The work will follow material presented in lectures, with additional questions requiring evaluation and interpretations (e.g., assumptions and limitations of methods and results). Depending on the size of the class, and the number of assignments, only **portions** of each HW assignment may be graded.

Grades: Grades will be based on a <u>weighted average</u> of the following activities:

Excel Homework (6 times)	12%
Midterm Examination	35%
Final Examination	45%
Attendance	4%
(Active) Class Participation	4%

<u>PLEASE NOTE</u>:

1) If you are unable to complete work on time or attend an examination due to illness or family emergency, you must notify the instructor at least one day **<u>before</u>** (>24 hrs.) the critical period, and be prepared to: 1) provide verification of situation if asked; and, 2) make up work promptly.
2) Make-up exams and HW will **not** be allowed without explicit prior approval of the instructor. Unexcused make-up work will be counted as a zero towards the final grade.
3) If you **do not** participate in the **final exam**, you will get **an F**.

Schedule

Week	TOPIC(S)
1	Introduction to Statistics: Ch1
2	Producing Data: Ch1
3	Analysing Data: Ch2, 3
4	Probability Concepts: Ch4
5	Random Variables and Expectation: Ch5
6	Sampling Distribution: Ch7
7	Inference 1: Estimation: Ch8
8	Midterm Exam
9	Inference 2: Hypothesis Testing for One Population:Ch9, 12
10	Inference 3: Hypothesis Testing for Two Populations:Ch10, 11
11	Inference 4: ANOVA Test: Ch16
12	Inference 5: Chi-square Test: Ch13
13	Regression: Ch14, 15
14	Review
15	Final Exam