Course Information and Logistics

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1 Introduction Coverage

This is a 100% in-person course. This means that we will hold scheduled meetings every Tuesdays and Thursdays.

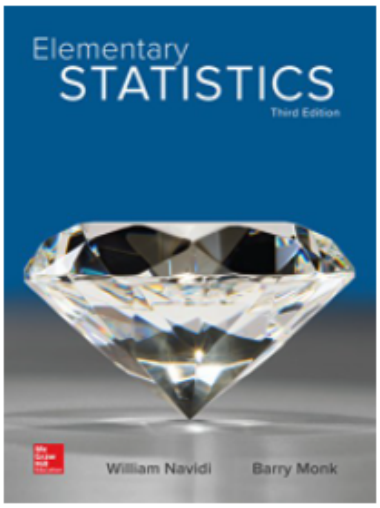
Class attending is mandatory class. I will take random attendance and use only these attendance results to assign the 5% of the course grade. If the final exam scores must be curved, I will also use it to assign the weight in curving your final exam. **Based on my past experience, attendance rate is highly correlated with your overall performance in the class**.

2 Policies, Resources, and Expectations

Course policies and expectations on exams and assignments are outlined in the syllabus that is also available online at: https://pengdsci.github.io/MAT121/w00/MAT121-Fall-2022.pdf

3 Textbook

Elementary Statistics, by Navidi and Monk, 3rd edition.



I will make the textbook optional for this class. Instead, I will provide self-contained lecture notes that cover all topics outlined in the course description in the catalog. The terminologies and definitions used in the lecture notes are essentially the same as those used in the textbook. I have put a lot of effort into creating many graphics to help you visualize the contents whenever possible. In the meantime, I have also created interactive apps (called **IntroStatsApps**) accompanying the topics covered in the lecture notes to enhance your understanding of the materials.

Since you have already been charged for the textbook, if you decide to continue to use the book as a major reference book (I encourage you to do so), you can access the textbook through D2L's **Inclusive Access**:

log into D2L $\rightarrow$ MAT121-08-11 $\rightarrow$ Inclusive Access $\rightarrow$ ALEKS.

The class code: JKT3D-WDYCD

Please stay focused on the lecture notes, practice exercises, and interactive apps. The textbook has 700 + pages. The topics to be covered in the course are scattered over 14 chapters. I don't expect you to read nearly 600 pages in five weeks. However, the textbook is an excellent resource you can use to find more examples and exercises if you need to practice more.

4 Calculators and Technologies

We only use calculators occasionally to do simple calculations. Because of this, you should have a very basic scientific calculator that can do the four basic operations $(+, -, \times, \div)$ and square root $(\sqrt{x})$. A TI graphic calculator is not required.

I created a series of interactive apps called **IntroStatsApps** for this class so you can use them to verify your manual work. I also use these apps to check the results of the examples used in lecture notes.

5 Weekly Quiz and Final Exam

To enhance your your learning and help me fairly assess your learning outcomes, you will do weekly quizzes in addition to the exams. All weekly quizzes will be administered through D2L.

5.1 Weekly Quizzes

You can consider these weekly quizzes as weekly home assignments. Here is the information about weekly quizzes.

- All problems will be multiple-choice questions.
- I will make weekly quizzes available on every Thursday (at noon) and due at midnight Sunday. Except for the week of midterm exams. You have three and half days to complete each weekly exam.
- You can use notes, the textbook, **IntroDtatsApps** for the weekly exam. However, you **must** complete these weekly quizzes independently.
- Note that everyone will do the same set of problems in the quizzes, but the order of the problems will be randomized. This means your problem #3 could be problem #14 in your classmates' quiz.
- The order of the four choices in each multiple-choice question is also randomized. For example, for the same multiple-choice question (regardless of the problem number in your and your classmates' quiz), your correct answer is `A`, your classmates' answer could be any of the choices including `A`.
- I will give you three attempts for each weekly exam. Note that when you attempt 2nd or 3rd time, you will rework all problems including those problems you did correctly and incorrectly. The highest score out of all attempts will be used as the score for the weekly quizzes.
- **A Piece of Advice:** Read lecture notes make sure you understand the concepts, rework the examples in the class and notes (or the textbook), and practice the exercises in lecture notes, and the standalone practice exercises before you start working on the weekly quizzes.

5.2 Midterm Exams

There will be three midterm exams in the semester. The duration is 75 minutes (regular class period). Both multiple choice and show-your-work problems will be included in midterm exams. The will be no make-up exams. If you must miss any midterm exam, I will use your (raw) grade in the final to replace missed midterm exam score(s).

I may curve the midterm scores based on the overall performance of the class if it is necessary.

5.3 Final Exam Information

Time and Date: 3:30 PM - 5:30 PM, Tuesday, 12/13/2022.

Location: TBA.

Format All questions are multiple-choice. There are about 35 questions in total in the final exam.

Duration: The final exam is 2-hour in-person comprehensive exam . You must complete your exam within 2 hours. No extension will be given.

Coverage: All topics delivered this semester are supposed to be covered in the final exam.