Math 247: Introduction to Statistics
Spring 2018
January 16th to May 18th

Hello students, my name is Michael Mogull and I look forward to working with you this semester. This class is an 18-week, 4 unit introductory statistics course. You should expect to work on this course for the same number of hours a face-to-face class would: 12 hours total per week - 4 hours in class each week, and 8 hours doing homework, reading, studying, etc, each week. Many students find statistics to be a challenging subject, so if you are uncertain about the online format, you may want to consider our many face-to-face options.

Workload:

You should expect to do the following each week:

1. Watch video lectures (times will vary, but no longer than 4 hours per week).
2. Complete reading assignments from the book.
3. Complete homework to be submitted via an online program (MyStatLab).
4. Respond to discussion board posts (2+ posts per week).
5. Complete a quiz online (no time limit – you may open and close it as much as you like).
6. Login to the course regularly (3+ times per week).

Exams

There will be four face-to-face proctored exams, plus a cumulative final exam (dates to be determined, the final exam will be during finals week).

I will hold exams in a classroom on campus, usually on a weekday (Monday, Tuesday, Wednesday, or Thursday) in the evening (6:30-8:20pm or 7-9pm). You may take it in this classroom at that time, or make alternate arrangements to have your exam remotely proctored.

Ways to Contact Me:
- Email me at: michael_mogull@cuesta.edu
- Send me a message through Canvas.
- Attend office hours in my office at the San Luis Obispo campus (times to be determined). If there is enough demand, I might be able to hold some office hours at the North County campus as well.
- Attend office hours online (times to be determined)
- Call my office phone: (805) 546-3100 ext. 2822

Email is the best way to reach me, I will generally respond to your emails within 24 hours during weekdays only. During busy times of the semester, the response time may increase to 48 hours. On weekends, I will do my best to get back to you ASAP but I do not guarantee an expeditious response.

Course description:

Presents a study of basic descriptive and inferential statistics with applications using data from a broad range of disciplines and use of technology for statistical analysis. Prerequisite: MATH 128 or MATH 127 or MATH 126B. Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247). (Formerly MATH47)

Student learning outcomes:

1. Calculate summary measures including point and interval estimators of population parameters and interpret them.
2. Calculate probabilities for various experiments including experiments where counting formulas are required.
3. Describe sampling variability and how it applies to a real-world estimation problem.
4. Perform a hypothesis test to answer a specific research question and interpret the results.
5. Calculate and interpret measures of association between two variables.

Textbook:

We will be using the following textbook along with MyStatLab:

Introductory Statistics 2ed, Gould & Ryan ISBN13: 9780321978277

Book with MyStatLab ISBN-13: 9780133956504 (we will be using MyStatLab)

Your options for how to obtain this are:

- Purchase the book along with MyStatLab access (you may get these bundled together at the Cuesta College bookstore for $186.75, I have also seen it on Amazon for around $168 – this is the loose leaf version of the book, meaning that it's just a bunch of loose papers that you put into a binder).
- Purchase MyStatLab access only. You can go directly to the website: www.pearsonmylabandmastering.com, although I have also seen the MyStatLab access card available through Barnes and Noble and through Amazon (prices seem to range from $80 to about $100). MyStatLab has access to an ebook (You would need to be connected to the internet to read the book, and it is a little awkward to use.
- Purchase the book, and the MyStatLab access separately. This is probably the most expensive option, unless you can get the book at a very low cost.

Statistical software:

We will be using statistical software for this course. MyStatLab has the program 'Statcrunch' built in, which you will be using to complete your homework. You may use this throughout the semester to satisfy the technology requirement.

Alternately, you could use Minitab or Minitab Express. (Minitab works on the PC only, Minitab Express works on both Mac and PC, but it doesn't look the same as Minitab.) Many computers on campus have Minitab installed for you to use; we also have a license you can use to install it on your own machine. You will have access to either Minitab or Statcrunch (your choice) in the exam room on campus.

Class environment/technological requirements:

You and your computer should be able to do the following:

- Stream MP4 videos.
- Scan documents as PDFs to be submitted.
- The minimum computer requirements are listed at http://www.cuesta.edu/student/aboutacad/distance/faqs_technical.html.
- Before you enroll, you should go to the Online Readiness Resources and take the "self-assessment " and review all the resources that were designed to help you understand the basis for an online class and the skills necessary for success.

This online course will be using a web-based learning management system, Canvas, as our central information and access hub. Canvas provides the framework for the course including student data files, the tools to receive and send course materials, and a grade book. Using the communication tools, you can communicate using e-mail, and you can share materials and ideas with other course participants via the discussion forums. On to the first day of the semester, you will receive an email to your my.cuesta.edu address providing you with a reminder that class will be starting and log in procedures for Canvas https://cuesta.instructure.com/. If you are not familiar with logging into canvas, please refer to the Canvas Quick Reference Guide. Once logged into Canvas you will be directed on where to get started. Be sure to read all the direction on the course home page. If you are having difficulty logging into Canvas after the semester has started, and need assistance please email me or technical support at support@my.cuesta.edu.

Disabled student services:

If you need course adaptations or accommodations because of a disability or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Please also contact Disabled Students Programs and Services (DSPS) as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. DSPS will help you understand your rights and responsibilities under the Americans with Disabilities Act and provide you further assistance with requesting and arranging accommodations. http://academic.cuesta.edu/acasupp/dsps/index.htm

Cuesta College academic honesty policy:

http://www.cuesta.edu/student/documents/admissions_records/code_of_conduct.pdf