



STAT 22000 2, STAT 22000 2 - Statistical Methods and Applications - Instructor(s): Fei Liu

Project Title: **College Course Feedback - Autumn 2023**

Number Enrolled: **66**

Number of Responses: **27**

Report Comments

Opinions expressed in these evaluations are those of students enrolled in the specific course and do not represent the University.

Creation Date: **Friday, February 2, 2024**

What are the most important things that you learned in this course? Please reflect on the knowledge and skills you gained.

Comments
learned a lot about statistical methods and probabilities and how to evaluate the stats of an experiment
Introduction to probability, point estimates, types of data and their presentations through graphs.
I got a good introduction to various methods used for statistical analysis
I think all the content we learnt is really important – like the ways to read and interpret statistics and also how to come up with both descriptive and inferential statistics appropriately
I learned about basic data representation, various forms of hypothesis testing, and the basics of R.
Towards the end of this course I was able to review some of the deeper concepts in AP statistics (that I've forgotten over the years).
Normal distribution. Basic statistical knowledge and skepticism about the methods used in different studies
T–tests, P–values and when different statistics can be used.
Probabilities, hypothesis testing, and linear regression
Probability, statistical inference (hypothesis testing, confidence intervals, z–scores, t–distributions), and experiment design
Introduction to basic statistics concepts – probability, normal distribution, binomial distribution, CLT, z–test vs t–test, etc.
Statistical tools and use of R software
Basics of Statistics
I learned quite a bit about population studies and the language R.
Mean, variance, standard deviation, z–scores, t–tests, confidence intervals, hypotheses testing, and regression.
T–distribution, hypothesis testing
How to do statistical analysis.
Although I had already studied the contents of the class the year before, I learnt new methods in how to resolve certain statistical problems.
It was also the first time I studied statistics in English so it was also a new leaning for me.
The most important thing that I learned in this course was learning how to read and analyze information and results and interpret them in real–life problems.

Describe how aspects of this course (lectures, discussions, labs, assignments, etc.) contributed to your learning.

Comments
homeworks and labs are the most helpful to my learning
the lectures were fundamental in order to understand the course as a whole. the labs were helpful for homework.
the lectures explained things well, and the homeworks gave me good opportunities to practice what I had learned
the lectures were super helpful and the assignments made sure i actually understood them – sulegna’s office hours were also godsend.
The lectures and slides were very helpful, it was also good to have the textbook sections published on the Canvas since that helped me understand a lot of stuff.
The assignments incentivized (of course) me to review what I learned from AP statistics.
Lectures weren't great so I went to Burbanks instead.
The lectures and the lecture slides were the most useful.
Lectures were helpful but could have moved faster earlier in the quarter and slower later on
The lectures and problem sets were definitely the most helpful parts of the class, especially for preparing for the midterm and final exams! Professor Liu is an incredible lecturer who is happy to re–explain concepts if they seem confusing, and the presentations are well thought–out and prepared. I appreciated the fact that the slides and homework assignments were available at the beginning of the quarter, so we could take a look at concepts ahead of time.
Lectures were super helpful as I enjoy being taught in person. They were optional but I found that I was more engaged when I attended the lectures. They were given both in person and on zoom, so we were able to pick which one to attend, which was extremely helpful for my few lazy mornings. The lecture notes were posted on Canvas and could be accessed all quarter.
Labs and exams demonstrated real–world applications of statistical tools
Lecture slides!
I liked the flexibility of the in–course sessions and uploading the lecture material on canvas, that helped as good review material.
The lectures were alright.
Lectures and homeworks
The assignments.
The lectures and power points greatly contributed to my learning. The textbook was also very well done and clear, which helped understand better what had been broached in class and helped me answer the questions in the homework. After the midterm and before the make up exam, there was an extra learning session that really put more clarity on the problems asked in the midterm.
Discussions and office hours helped me understand concepts I was unsure about. This extra help allowed me to work on my homework.

Please respond to the following:

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
This course challenged me intellectually.	4.50	5.00	0.00%	3.85%	3.85%	30.77%	61.54%
I understood the purpose of this course and what I was expected to gain from it.	4.54	5.00	0.00%	0.00%	3.85%	38.46%	57.69%
I understood the standards for success on assignments.	4.38	4.50	0.00%	3.85%	3.85%	42.31%	50.00%
Class time enhanced my ability to succeed in graded assignments.	4.36	5.00	0.00%	0.00%	16.00%	32.00%	52.00%
I received feedback on my performance that helped me improve my subsequent work.	3.92	4.00	0.00%	11.54%	15.38%	42.31%	30.77%
My work was evaluated fairly.	4.31	4.00	0.00%	3.85%	3.85%	50.00%	42.31%
I felt respected in this class.	4.46	4.50	0.00%	0.00%	3.85%	46.15%	50.00%
Overall, this was an excellent course.	4.23	4.00	0.00%	3.85%	11.54%	42.31%	42.31%

Additional comments about the course:

Comments
it sometimes seem like the class was also trying to teach R without really having time to do so
The course is easy till the midterm and then suddenly gets exponentially harder
Though I had the AP credit already, I had to take this course again to fulfill a major requirement. Surprisingly, though, the part of the course involving coding with R didn't actually came as easy as I had anticipated (or preferred); I learned more things than I had expected. If it wasn't the case that I only had 3 courses by Thursday of Week 3, however, I would have taken STAT 220 remotely in the September quarter. Lectures were recorded so it's very possible to skip class, on a side note.
Hard to understand the professor and it wasn't super clear all the time as her handwriting could be hard to understand at times.
I would definitely recommend taking Professor Liu's STAT 220 class! She definitely cares about her students & about teaching statistics.
Prof. Burbank is great at explaining.
I felt like learning R was a complete waste of time.
N/A
Professor Lei is an amazing professor.

I would recommend this course to:

	No	Yes
Highly-motivated and well-prepared students	4.00%	96.00%
Anyone interested in the topic	12.00%	88.00%

Thinking about your time in the class, what aspect of the instructor's teaching contributed most to your learning?

Comments
Professor Lei cares about making understanding and this is evident in the way she teaches and answers our questions.
the homeworks were the best
i think she did a good job explaining the concepts and always was super helpful whenever we had questions – she always tried her best to explain things and was patient with us.
The professor made sure to go over a lot of examples in class which helped me understand how to utilize the formulas and different problem-solving techniques she taught us.
N/A
Burbanks was better, but the textbook probably helped the most I would read that they explain everything really well there
When she would do the example problems.
Lectures and being available on Ed.
Her lecturing and her availability to student questions!
Professor Liu always made sure the people in class had enough time to ask questions about the specific slides. If someone on zoom had a question, they were able to ask their questions in the comment section and Professor Liu would always answer them. I found this to be one of her greatest aspects because not only did she take her time on every slide, she always made sure to always help with confusion.
Prof clearly had deep knowledge of the subject
Lecture slides
The slides
The lecture slides were helpful.
The teacher was clear in her explanations and always offered more details if requested which helped understand the course contents.
She was also very available if we had any questions.
Presenting example problems and solving them together as a class.

What could the instructor modify to help you learn more?

Comments
She honestly talks very quickly and not the best at answering questions but good overall
n/a
it might make sense to try to balance R with statistical concepts more
n/a
I think this class is fine as it is.
N/A
Maybe go slower.
She could add the answer to the lecture slide problems on the lecture slides rather than handwriting them.
Make the second half of the quarter (after the midterm) less content by moving it to the first half.
It would be helpful to conduct more review sessions before the midterm and final exams for students to attend, especially if they have other exams they have to study for or complete around the time of the STAT midterm and final. Otherwise, she's fantastic!
Sometimes, some lectures were often too slow or too fast, so trying to find a good balance could help every STAT 220 class (since they all use the same lecture notes).
Stop cold-calling in a class where lecture attendance is not mandatory. It just means long silences. Also, class consistently went over by a few minutes as a result.
Make the assignments and the exams on the same difficulty level of the explanation provided in lectures.
Nothing, she's the goat
Get rid of R.
Nothing.
N/A

The Instructor . . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Organized the course clearly.	4.41	4.50	0.00%	0.00%	8.70%	39.13%	47.83%	4.35%
Presented lectures that enhanced your understanding.	4.23	4.00	4.35%	0.00%	8.70%	39.13%	43.48%	4.35%
Facilitated discussions that were engaging and useful.	3.63	4.00	8.70%	4.35%	21.74%	21.74%	26.09%	17.39%
Stimulated your interest in the core ideas of the course.	3.86	4.00	0.00%	13.04%	21.74%	26.09%	34.78%	4.35%
Challenged you to learn.	4.36	4.00	0.00%	0.00%	4.35%	52.17%	39.13%	4.35%
Helped you gain significant learning from the course content.	4.30	4.00	0.00%	4.35%	4.35%	47.83%	43.48%	0.00%
Was available and helpful outside of class.	4.17	4.00	4.35%	0.00%	13.04%	39.13%	43.48%	0.00%
Motivated you to think independently.	4.05	4.00	0.00%	8.70%	13.04%	39.13%	34.78%	4.35%
Worked to create an inclusive and welcoming learning environment.	4.48	5.00	0.00%	0.00%	8.70%	34.78%	56.52%	0.00%
Overall, this instructor made a significant contribution to your learning.	4.18	4.00	4.35%	0.00%	13.04%	34.78%	43.48%	4.35%

Please include the name of the TA/CA/Intern you are evaluating. What aspects of the TA's teaching contributed most to your learning? What could the TA modify to help you learn more? Please include any additional feedback for the TA/CA/Intern.

Comments
Sulagna was devoted to each student and ensured that we understood the material we learnt beyond simply answering homework questions
Annie Xie
Sulegna — SHE IS AWESOME. her office hours are the main thing that got me through the course – she is so involved and smart, and she is so patient with you. I think her office hours were as important to my learning as lectures were.
Sulagna and Jeonghwan: I did not have any contact with them.

The TA/CA or Intern. . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Facilitated discussions that supported your learning.	4.00	4.00	0.00%	0.00%	20.00%	20.00%	20.00%	40.00%
Gave you useful feedback on your work.	4.00	4.00	0.00%	0.00%	20.00%	40.00%	20.00%	20.00%
Stimulated your interest in the core ideas of the class.	4.25	4.00	0.00%	0.00%	0.00%	60.00%	20.00%	20.00%
Challenged you to learn.	4.25	4.00	0.00%	0.00%	0.00%	60.00%	20.00%	20.00%
Helped you succeed in the class.	4.00	4.00	0.00%	0.00%	20.00%	20.00%	20.00%	40.00%
Was available and helpful outside of class.	4.00	4.50	0.00%	20.00%	0.00%	20.00%	40.00%	20.00%
Overall, this individual made a significant contribution to your learning.	4.00	4.00	0.00%	0.00%	20.00%	40.00%	20.00%	20.00%

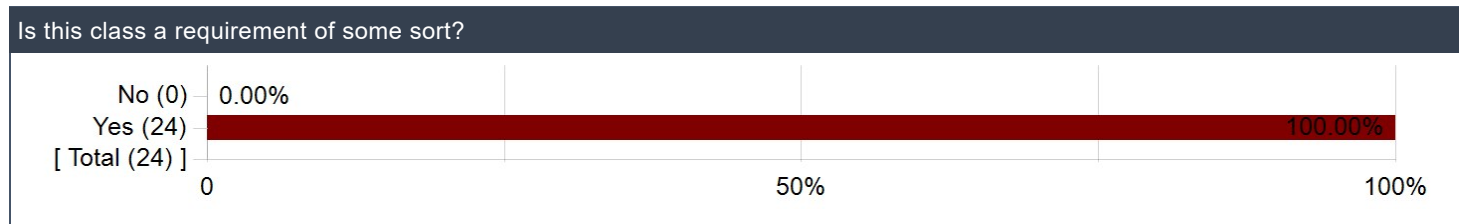
How much did the following elements of the course contribute to your learning gains?

	Mean	Median	No Gain	A Little Gain	Moderate Gain	Good Gain	Great Gain	N/A
Laboratory Experience	3.00	3.00	0.00%	0.00%	50.00%	0.00%	0.00%	50.00%
Field Trips	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Library Sessions	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Review Sessions	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Writing Seminars	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

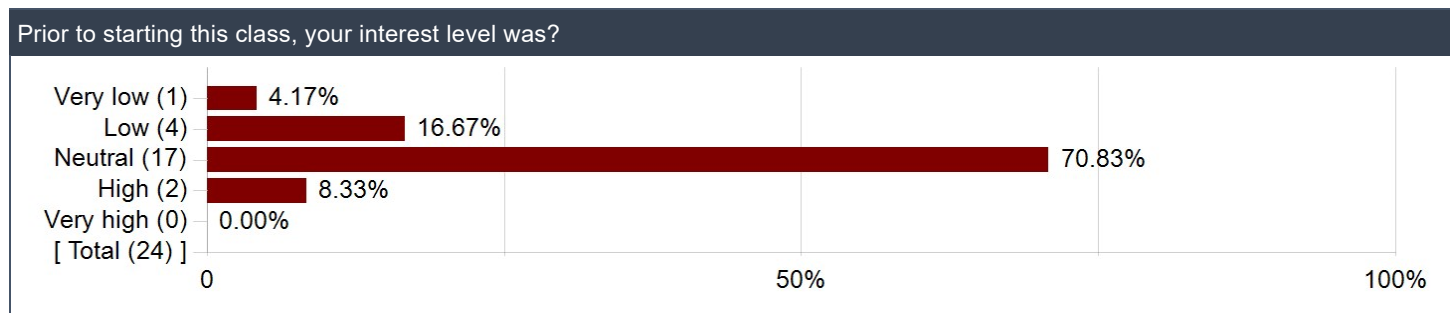
Other course elements not mentioned above:

Comments
For this session, the workshops were not graded, which is what I liked. If you would like to be graded on the workshop to give homework less weight, choose the other sections of 220. It's very possible to skip every lecture like I did, provided that you have and work a little bit toward the later weeks when homework may start to involve harder concepts and harder-to-remember formulas. For the midterm we could bring our own equation sheets; the final is next week (this feedback was given on Dec 1st 2023).

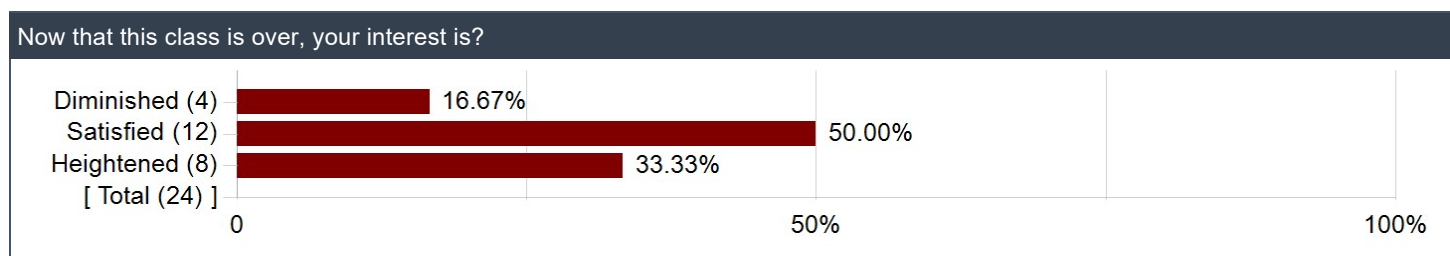
Is this class a requirement of some sort?



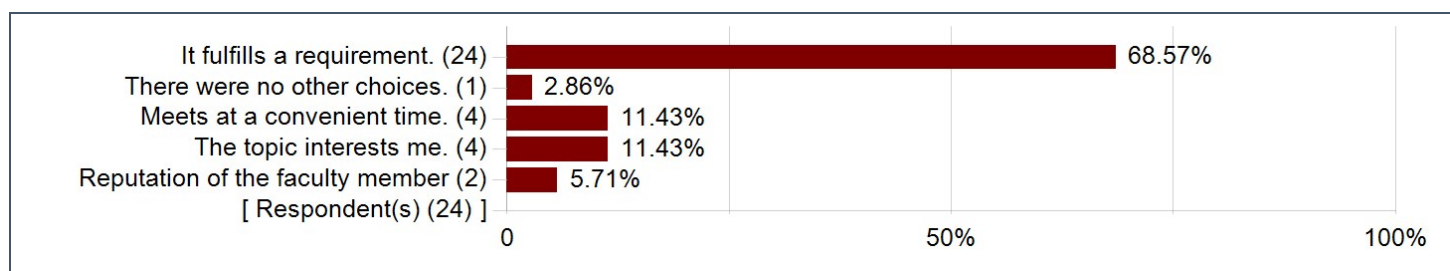
Prior to starting this class, your interest level was?



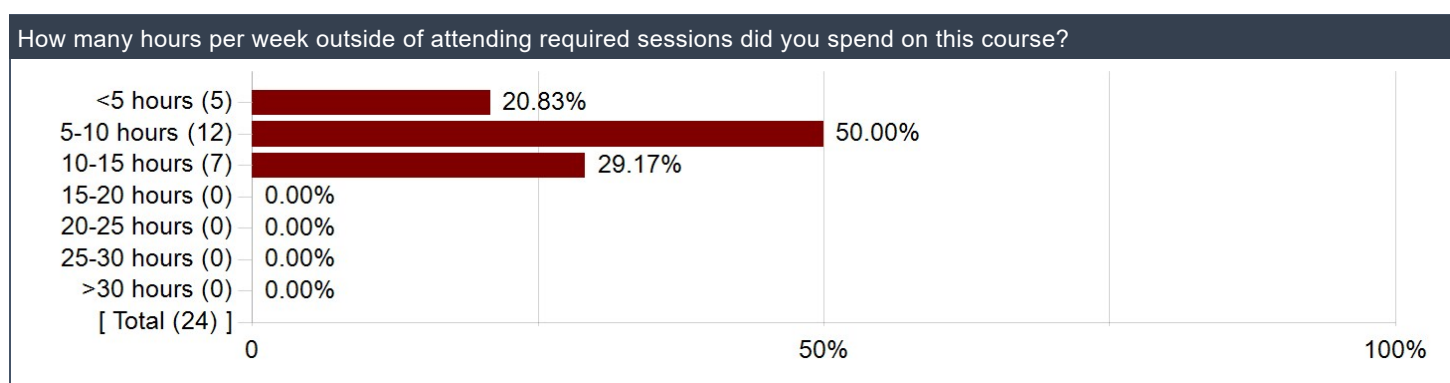
Now that this class is over, your interest is?



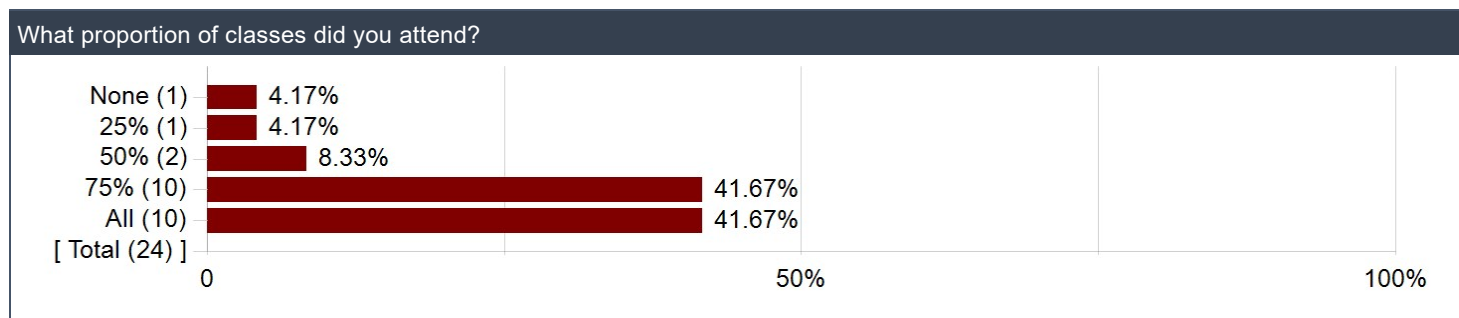
Why did you choose to take this course? (Select all that apply)



How many hours per week outside of attending required sessions did you spend on this course?



What proportion of classes did you attend?



Please comment on the level of difficulty of the course relative to your background and experience.

Comments
i didn't have a strong background in stats. this class is great to help you navigate through statistics as a beginner. its easy enough
somewhat difficult
got much harder after the midterm but definitely manageable
R isn't that difficult and the midterm wasn't that bad either, just make sure to read the textbook and don't procrastinate on the labs or homework.
Somewhat difficult in the end, not at all difficult before around early November. First year without prior experience taking a math-related course at UNIVERSITY (obviously). AP Stat 5 from 2020 (For the year 2020, we didn't cover the final few chapters. Maybe that's why the end of the course became harder? I had also forgotten a significant proportion of the course content by the time of enrollment in this class.). Almost no prior experience with coding, R was sometimes difficult or puzzling (because the homework instructions related to R isn't always clear).
I had not taken stats in HS, so it was not easy to get all the basic concepts at first, Also, R studio is extremely difficult at first so that was very annoying. Once i started reading the textbook, it clicked and I started understanding the material a lot better
At the start it was super super easy but at the end it gets decently hard
Slightly difficult but okay if you attend all the classes and actually study for the final.
I had never taken any statistics classes before (including no experience with AP Statistics), and I thought the class was manageable and taught statistics in a comprehensible manner. It wasn't too difficult in any way!
The homework assignments were not difficult because they were always connected to the week's lecture notes. The midterm and final were slightly harder, but not difficult. As someone who did not take AP Stats in high school, you definitely do not need to know any stats before starting this course.
If you have never done statistical work before, it will be a little stressful, but certainly less so than the stats class for econ majors
It met and exceeded the difficulty level I had in mind going into the class
The course is an introductory level statistics course, but it is very challenging. You will have to use R even though it is not a prereq or even taught in class.
Helpful if you did stats before
Some prior experience with statistics.
As someone who has never taken a stats class before, it was challenging, especially with computer programming.
I some prior knowledge but if you have no experience Professor Lei really teaches you a foundation which really aid you to learn any advanced topic.