STAT 22000 4, STAT 22000 4 - Statistical Methods and Applications - Instructor(s): Kendra Burbank

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

Number Enrolled: **106**
Number of Responses: **40**

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
I learned about to very evaluate statistical method in through real world applications
Analyzing and visualizing data, R was helpful too
I learned how easy it is to manipulate statistics.
How to use r in statistics
Learned how to perform z–tests, t–tests, and proportional tests.
Learn about some statistical tests
–Various types of testing methods –Probability –Various types of graphs –Basic intro to stats
Statistical methods and how they're applied in different contexts
using R studio and learning how to analyze data though different graphs. A lot about probability as well.
Distributions, probability, statistical inference. A lot of things that have been tangentially taught in other classes but it was nice to actually learn it explicitly.
I learned different formulas to calculate the probability of an event occurring or not occurring.
Getting familiarized with R Studio, as I had no coding experience before taking this class.
how to cope with a large amount of assignments
z tests and t tests
Basics in R, Statistic Basics
I learned to be wary of statistics taken for granted in articles and media. There are a lot of ways to skew data and misrepresent populations, so it's really important to pay attention to how studies/experiments are conducted. The class is not expressly about this, but it will be my largest takeaway.
Understanding why we need each theorem.
basic intro to stat class.
how to analyze statistical numbers and results
Basic and advanced stats
basic concepts and logic behind by learning calculation
Various forms of statistical analysis. Calculating expected value, variance, and standard deviation and what can be further explored via them are some crucial concepts I learned.
I learned the basics of statistics and statical evaluations.
Confidence Intervals and Hypothesis Tests
R coding, basic statistics
How to analyzed data
Basic statistical methods, including confidence intervals, hypothesis testing, probability, t–tests, normal and binomial distributions
Mean, standard, deviation, standard error, sampling distribution, analyzing graphs (categorical, histograms etc), normal distribution, student t–distribution, hypothesis tests, confidence intervals, statistics based R code, probability, experimental design, regressions

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

Comments
The lectures provided in depth explanations from topics in the textbook
lectures werent helpful, labs were helpful, homeworks were a class or two ahead of lectures so i learned on my own or with friends, but I had taken AP stats courses previously so none of it was new to me
The labs were helpful in learning the r content, and the textbook readings and practice problems were helpful in going over the course material
Lectures were most helpful. Homework helped with understanding and learning.
the lecture videos are important for learning
My professor was very thorough and went through each topic slowly. Lots of examples made the toids easy to understand
I loved that the lectures were streamed live and then recorded and saved. That was extremely helpful
Lectures were ok but reading the textbook/lecture slides on your own can suffice
the lectures and TA sessions were extremely helpful in getting through the homework.
Lectures were good; assignments felt very doable and made me feel more confident in the course content than lectures alone.
The lectures helped, but not a ton —- the textbook taught the material better than the professor. The problem sets were similar to the exams.
assignments were very helpful and accurate reflections of what we're expected to know. Lectures we're helpful in solidifying understanding but slow moving and boring.
Lectures, optional labs, homework due every week, one midterm and one final
Prof. Burbank is incredibly accommodating and there are a lot of safety nets grade–wise (one dropped hw grade, late submissions, lots of office hours.) The course starts off with basic material (high school level), and then narrows in about halfway through. Since the class is entirely lectures, it may seem like you don't need to keep up with the textbook readings, but they become important to the homework in those later weeks.
lectures were helpful. but essentially whats in the textbook. lectures are also recored.
the lectures did not contribute much most of the learning in this class is self–learning if you do not have any background in R you will suffer as I did they expect you to know your way around it and the labs do not explain much also the assignments are so challenging and R is being graded in the assignments even though R is not included in our final exam so so much time was wasted on learning and using R even though it is not part of my final exam
Lectures were great
Prof Burbank is helpful!
Lecture went over concepts and provided examples.
The lectures were very helpful. Professor Burbank would provide good elaborations on the lecture slides that were posted before the start of each class.
Lectures
Lectures were helpful
Lectures and homework were very helpful
The lectures helped most and were complemented well by the problem sets.
Lectures were useful for introducing content and problem sets helped solidify content.

Please respond to the following:

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
This course challenged me intellectually.	4.14	4.00	2.78%	2.78%	13.89%	38.89%	41.67%
I understood the purpose of this course and what I was expected to gain from it.	4.11	4.00	2.78%	5.56%	8.33%	44.44%	38.89%
I understood the standards for success on assignments.	4.08	4.00	0.00%	11.11%	5.56%	47.22%	36.11%
Class time enhanced my ability to succeed in graded assignments.	4.17	4.00	0.00%	8.57%	5.71%	45.71%	40.00%
I received feedback on my performance that helped me improve my subsequent work.	4.00	4.00	2.78%	5.56%	13.89%	44.44%	33.33%
My work was evaluated fairly.	4.23	4.00	0.00%	8.57%	5.71%	40.00%	45.71%
I felt respected in this class.	4.50	5.00	0.00%	0.00%	5.56%	38.89%	55.56%
Overall, this was an excellent course.	4.00	4.00	2.78%	8.33%	13.89%	36.11%	38.89%

Additional comments about the course:

Comments
N/A
stay up on homework and readings beacause grading will be harsh
This course was really hard but ultimately in a necessary way.
A great course
Pacing was quite fast, and expect some materials to not be covered in lecture that you have to learn on your own.
The homeworks are done and submitted in R, a programming language for statistics. It's not difficult to learn, it's just tedious.
The homework instructions left a little to be desired, it was unclear at times what was being asked.
the course is so intense it took me around 20 hours per week the assignments are so long it takes alot of time and i do not think i have learned much
N/A
I think th ecourse shoule be more practical instead of doing all the calculation by hand as we have a lot softward like R right now. We did all the exams by calculating by hand, which I think it's not that helpful
The slides are pretty hard to read because lots of it is in letter/greek letter notation, which I was not familiar with.

I would recommend this course to:

	No	Yes
Highly-motivated and well-prepared students	2.94%	97.06%
Anyone interested in the topic	14.29%	85.71%

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

Comments
The engaging lectures
her examples were good in class
The problem sets were extremely stressful but I learned the most from them.
Examples and group discussions
Lectures
lecture
–Going through each topic as if it was our first time ever learning stats (it was my first time, so this was very helpful)
The recorded lectures were the most helpful Also, you could tell Professor Burbank and Professor Liu cared about their students/their student success. They were more than willing to help at all times.
the lectures were very helpful. don't skip them.
I thought Professor Burbank explained things pretty well and was very kind.
Honestly not much, the textbook was the most helpful. Just teach yourself.
the instructor was very helpful if we ask
walking through example problems and stressing things she wanted to make sure we understood
Prof. Burbank is an adept lecturer and clearly loves her field. Most of all, she is a really good teacher. She answers questions thoughtfully and really considers the student's confused point of view so she can better explain the right answer.
instructor was passionate and solved examples.
the professor is really helpful and willing to explain everything more than once if you were unable to get it
Lectures
Lecture
Professor Burbank brought a fun and light–hearted energy to the classroom. She provided thorough instruction and was open to questions.
The lectures. Professor Burbank did a good on explaining various topics and elaborating on ideas when it was needed.
Lectures
The lectures were very helpful
Lectures were very helpful, I like how Professor Burbank explained more complex topics by providing lots of examples and analogies.
The instructor's office hours and lectures helped explain content.

What could the instructor modify to help you learn more?

Comments
N/A
idek man
idk
I think that slowing down a bit would be helpful. At times, I felt a bit lost.
Going slower after the first midterm. I quickly got lost after Lecture 8.
more examples in class that were not as rushed.
The lectures, everything about the lectures.
give us extra guidelines or upload sessions on how to use R in the assignments and provide more practice exams without R to prepare us for exams
treat us like adults and not children
The lectures start to get a lot less interactive by the end of the quarter. Changing this would help students keep up that same energy from the early weeks.
nothing.
the way she explains the topics is very simple in comparison to the assignment and the exam she should explain them in the same depth also the amount of the curriculum is more than what is being explained in class so when you read the text book you might come across something that was not even discussed in class
Nothing
teach more about R
Slow down slightly when teaching.
Slow Down
more office hours
The professor rushed through the lecture slides at some points.
Nothing.

The Instructor . . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Organized the course clearly.	4.38	5.00	0.00%	2.94%	8.82%	35.29%	52.94%	0.00%
Presented lectures that enhanced your understanding.	4.41	5.00	0.00%	2.94%	14.71%	20.59%	61.76%	0.00%
Facilitated discussions that were engaging and useful.	4.37	5.00	0.00%	2.94%	8.82%	29.41%	47.06%	11.76%
Stimulated your interest in the core ideas of the course.	4.06	4.00	0.00%	11.76%	11.76%	35.29%	41.18%	0.00%
Challenged you to learn.	4.29	5.00	2.94%	2.94%	8.82%	32.35%	52.94%	0.00%
Helped you gain significant learning from the course content.	4.35	5.00	0.00%	2.94%	11.76%	32.35%	52.94%	0.00%
Was available and helpful outside of class.	4.59	5.00	0.00%	0.00%	5.88%	29.41%	64.71%	0.00%
Motivated you to think independently.	4.47	5.00	0.00%	0.00%	11.76%	29.41%	58.82%	0.00%
Worked to create an inclusive and welcoming learning environment.	4.47	5.00	0.00%	2.94%	2.94%	38.24%	55.88%	0.00%
Overall, this instructor made a significant contribution to your learning.	4.41	5.00	0.00%	2.94%	5.88%	38.24%	52.94%	0.00%

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
N/A
The TAs were amazing!! We had a lot, and all were visible and helpful on edstem, but I worked with Jeonghwan and Claire a few times during the quarter who were great.
There were many TAs but the sessions were extremely helpful in getting through the psets.
N/A
Allyson Gregory, the TA that gave the review sessions for students who needed to improve their midterm grades.
Claire
Annie Xie
they give feedback for homework but sometimes the feedback need abouyt 2 weeks to be given I never went to their office hours, so I can't give any feebback on some of the questions
Annie Xie
Annie Xiu

The TA/CA or Intern. . .

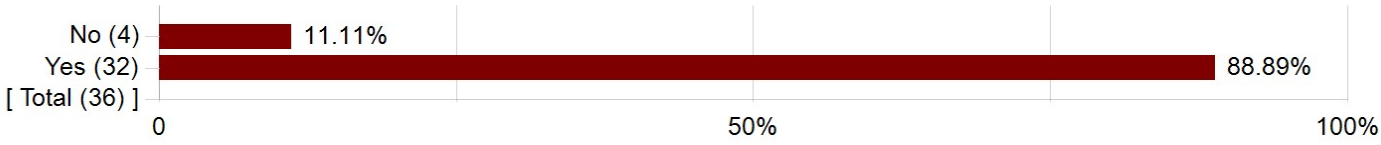
	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Facilitated discussions that supported your learning.	4.43	5.00	0.00%	0.00%	9.09%	18.18%	36.36%	36.36%
Gave you useful feedback on your work.	4.56	5.00	0.00%	0.00%	8.33%	16.67%	50.00%	25.00%
Stimulated your interest in the core ideas of the class.	3.88	4.00	0.00%	0.00%	25.00%	25.00%	16.67%	33.33%
Challenged you to learn.	3.88	4.00	0.00%	8.33%	8.33%	33.33%	16.67%	33.33%
Helped you succeed in the class.	4.44	5.00	0.00%	0.00%	8.33%	25.00%	41.67%	25.00%
Was available and helpful outside of class.	4.67	5.00	0.00%	0.00%	0.00%	25.00%	50.00%	25.00%
Overall, this individual made a significant contribution to your learning.	4.44	5.00	0.00%	0.00%	8.33%	25.00%	41.67%	25.00%

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

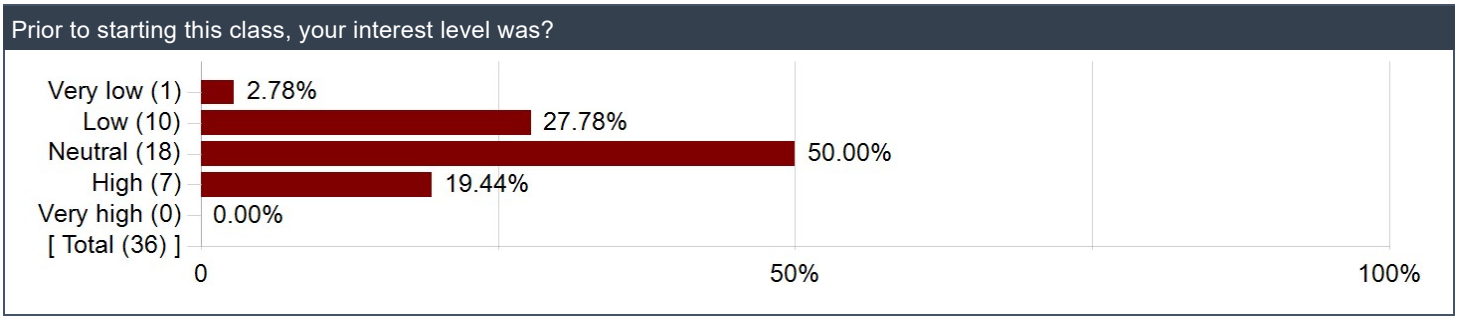
	Mean	Median	No Gain	A Little Gain	Moderate Gain	Good Gain	Great Gain	N/A
Laboratory Experience	3.00	2.50	0.00%	40.00%	20.00%	0.00%	20.00%	20.00%
Field Trips	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Library Sessions	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Review Sessions	3.00	3.00	0.00%	20.00%	0.00%	20.00%	0.00%	60.00%
Writing Seminars	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Is this class a requirement of some sort?

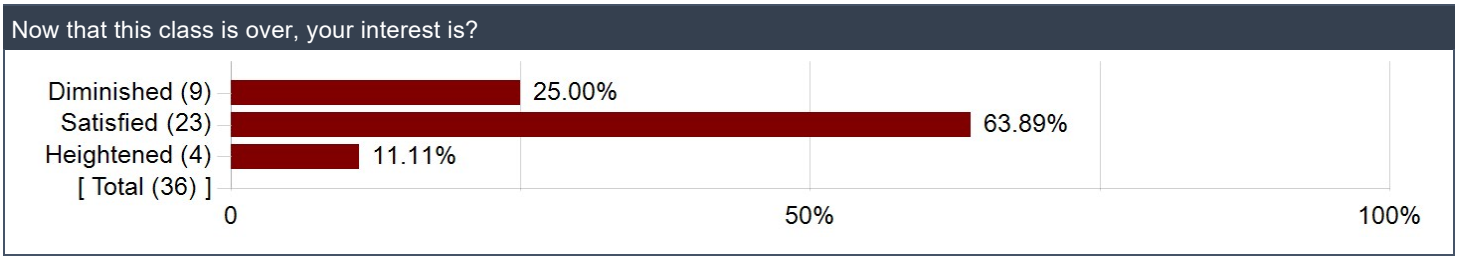
Is this class a requirement of some sort?



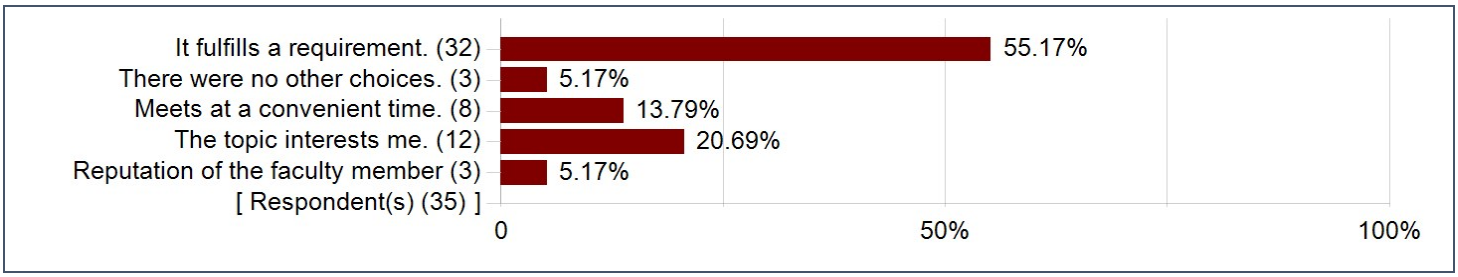
Prior to starting this class, your interest level was?



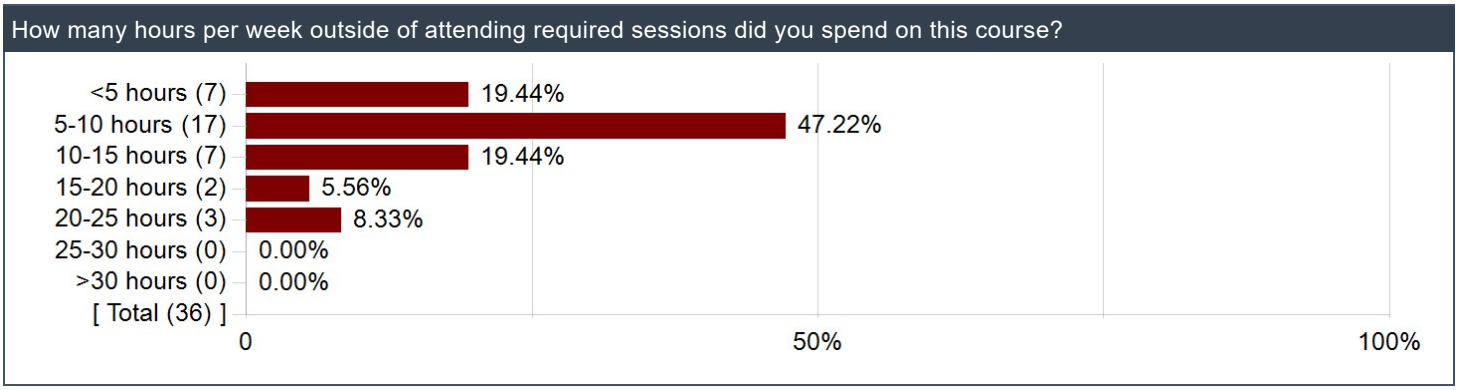
Now that this class is over, your interest is?



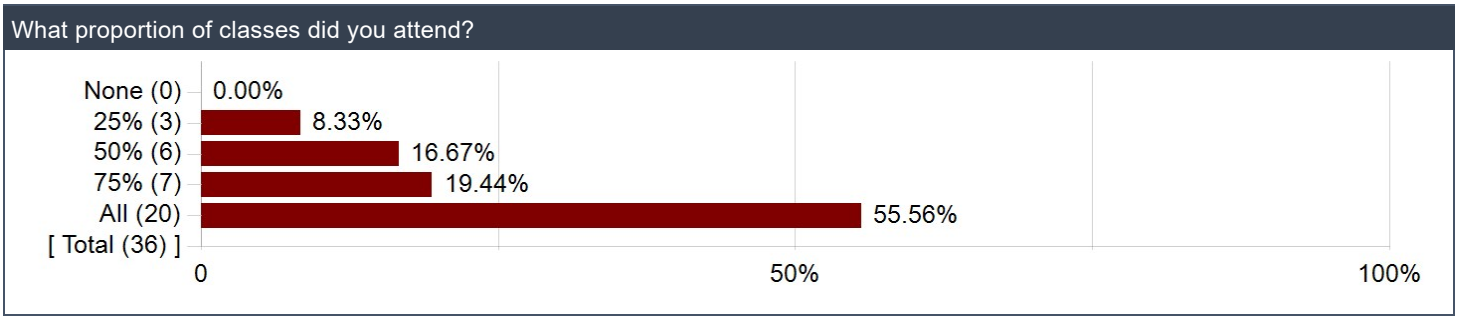
Why did you choose to take this course? (Select all that apply)



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
If you have some prior Stats knowledge, this course would be pretty easy for you but even if you don't, you'd be fine
it is hard but doable if you read, keep up, ask questions
I took AP stats with helped me with a lot of the material, but if you go to the lectures and do the readings anyone regardless of background can do well in this class
The last time I did statistics was in 9th grade, so this was like a review but I mostly forgot stuff, so some things felt new. It is manageable.
It was quite difficult after our first midterm. I never took stats in high school so learning everything for the first time made the course more difficult.
did not have much of a stats background, this was a good introduction
I had learned some stats before in other classes (such as a few data science courses). I felt like I definitely should have taken this before the data science classes and it really should be a pre–req for people without stat background. So it felt extremely doable to me but I'd had an unstable foundation from previously–taken harder classes.
I did not take statistics in high school, and this class was especially difficult and lots of the material was self–taught.
Somewhat difficult. The content itself is fairly easy, but the use of R Studio for the homework was sometimes difficult for me, given that I had never used the software before.
the R requirement in the assignments was very challenging and i felt that the exam question style was harder than the one we were used to in class, but i was okay with the stat concepts we were introduced to in the course.
easy coming from some experience
Not too difficult, just pay attention in lectures and go to office hours
Not very difficult.
took AP stat, essentially all of the same material.
it is difficult and for no clear reason the topics discussed are simple however the class complicates them
Got very difficult at the end
overall I felt it's a chanllegning course expecailly I 'm not a stats major, and I hate calculating by hand, I thought it should provide more information about stats software, But ends uo with I'm wrong...
You can be successful with little class experience. It is important to stay caught up on the lectures.
Medium
The final was extremely difficult. All other assignments were manageable.
Moderate
The R coding required in the homeworks turned what would have been an incredibly easy class into an annoying and unenjoyable experience. No R coding is taught during lectures, so you're basically expected to learn it by yourself in addition to completing the homework. TAs have office hours to help with coding, but they're all packed with kids because, understandably, very few students knew that they would have to know R for an intro to statistics class.
From someone with no official statistic experience, the materials given in the class to help us succeed were very useful.
The first 70% of the course was completely manageable with a limited statistics background, but it got significantly harder in the last few weeks of the quarter. At the end, I really had to ask a lot of questions and do a LOT of practice problems, but it was doable.
If you took AP statistics, then the class is fairly straightforward. Having previous experience with R is helpful.