



STAT 22000 1, STAT 22000 1 - Statistical Methods and Applications - Instructor(s): Kendra Burbank

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

Number Enrolled: **47**

Number of Responses: **20**

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
Hypothesis testing, types of statistical graphing, how to set up an experiment
i learned about basic stats — different graphs, and ways to generate and analyze computations. it was good to be able to know how certain things work that i am sure i'll see later in my courses
Sampling methods, probability, p-stats, hypothesis testing framework, statistical distributions, basic stats.
Statistical inference is the most important thing I learned. It is very useful to be able to make conclusions about a population from a sample.
Coding with R, histograms, mosaic plots, confidence intervals
stats and R
application of statistic thinking in real life examples
linear regressions. I enjoyed the material of this course, especially probability and linear regressions because they are things that can be applicable to our everyday lives
Mean median mode, t test z test
How to apply different t-tests to scenarios
From this course I began to learn about coding and the R program as well as a general overview of statistics and what variables most consistently make it up.
Stats
The different appropriate methods for hypothesis testing with z tests and t tests, p value calculations, confidence intervals , conditions needed for each test. Using python for different stat applications.
math problem solving
We learned about stats. Regression, hypothesis testing, probability.
The basics of statistics, including binomial distributions, confidence intervals, hypothesis testing, t-testing, and an intro to regressions among many other topics.

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

Comments
Lectures were very helpful, and SLiC sessions were great as wekk
lectures and SLIC
Lecture was very helpful, the sides were amazing and it was helpful that lectures were recorded and that too for both the Professors. The assignments were of appropriate difficulty and provided excellent practice for the concepts learnt during the lectures. The collabarative class psets helped to reinforce the concepts and provided additional practice.
The lectures and the textbook helped me learn new topics and the collaborative learning activities helped me do well on the homework assignments. I thought that the R sections of the homework questions didn't really help because we just had to copy and paste code from the labs, and I feel like my understanding of R is not much better than it was before I started the course.
Lectures were pretty helpful
recording lectures was helpful
lectures, collaborative learning sessions
Lectures were entertaining at the beginning of the quarter, but became slightly monotonous towards the end because of the complexity of the material
Lectures and homeworks are super super good.
The weekly problem sets were helpful in reviewing what was taught in the lectures as well as the collaborative learning sessions.
The lectures were helpful
Lectures were helpful to certain extent, homework's and SLiC definitely most helpful. Slides were the most useful.
discussions allowed me to collaborate
You learn everything from the lectures but the psets are definitely necessary for actually understanding the material. I also was a part of the collaborative learning sections and those actually were pretty helpful for me.
The lectures were really important in understanding the content. Additionally, the problem sets were really useful in ensuring we understood the material. The collaborative sections were a great place to get more practice and ask questions.

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%	5.56%	0.00%	33.33%	61.11%
I understood the purpose of this course and what I was expected to gain from it.	4.67	5.00	0.00%	0.00%	0.00%	33.33%	66.67%
I understood the standards for success on assignments.	4.28	4.00	0.00%	5.56%	5.56%	44.44%	44.44%
Class time enhanced my ability to succeed in graded assignments.	4.28	4.00	0.00%	5.56%	5.56%	44.44%	44.44%
I received feedback on my performance that helped me improve my subsequent work.	4.17	4.00	0.00%	0.00%	27.78%	27.78%	44.44%
My work was evaluated fairly.	4.50	5.00	0.00%	0.00%	5.56%	38.89%	55.56%
I felt respected in this class.	4.67	5.00	0.00%	0.00%	0.00%	33.33%	66.67%
Overall, this was an excellent course.	4.28	5.00	0.00%	0.00%	27.78%	16.67%	55.56%

Additional comments about the course:

Comments
A very well organized class!
i just did not enjoy this class as much, but that may just be me as stats is a hard concept for me to understand
Great course for basic stats, but felt very hyper focused on theory in the final exam when none other aspects of assignments and practice finals/midterm, had that focus.
There is a lot information and the psets are quite long but it is all doable. Make sure to actually do the psets and see one of the TAs or instructors if you dont get something. They are helpful.
I would either push back the midterm one week to include more content (like z-testing) or go through the beginning material quicker to ensure that all the material (especially at the end) has enough time.

I would recommend this course to:

	No	Yes
Highly-motivated and well-prepared students	5.26%	94.74%
Anyone interested in the topic	5.26%	94.74%

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

Comments
Lectures
her writing the equations / how to solve out is very helpful
Posting the lecture slides and recording lectures so I could look at the material more after class while doing my homework and preparing for exams contributed mark to my learning.
She let us ask questions often and explained concepts very clearly with useful examples.
Helpful examples that illustrated what concept was being used/ how it was being used.
presentations
Lecture slides, the instructor's explanation using real life examples
The examples and simpification of certain topics like the cookie and the pizza, or the probability of blackjack versus poker.
Instructor had really good example problems.
Professor Burbank is the best! Super clear lectures and slides are super helpful for understanding topics
Professor Burbank was one of the best professors I've had at this school. Her lectures were very clear and great to follow. She's great at explaining new material.
My instructor's use of analogies during lectures were helpful in understanding the material and the office hours were exceptionally helpful.
Examples and going through problems in lecture to see the appropriate approach.
Lectures. They are also recorded so you can go back and look at things you don't remember or understand.
Explaining the statistical concepts and then applying them to practice examples in class.

What could the instructor modify to help you learn more?

Comments
Make lectures a bit more organized
Nothing. Great class!!
the collaborative learning was NOT very helpful
None
Prof. Burbank is one of the best lecturers in math at the school.
Nothing
To learn more, the course could have included homework sessions to work with peers and TAs on the problem sets at a designated time. Similarly, I would have appreciated more sessions to teach students to use R who had no prior knowledge of coding, though my professor did help me by creating a specific office hour session in order to specifically help me and a couple other students who were struggling with learning the R program which I was grateful for.
Post the lectures with notes in a better and clearer way
More practice problems mirroring actual examination problems.
Nothing. There are a lot of opportunities to get help and the grading gives options just in case anything happens. The work itself can be a bit tough if you are not good at stats, but it's doable. The instructors are both very understanding, I would recommend them both.
Go through the intro material quicker to give more time to discuss the ending material more (like pooled variances, two proportion tests, etc.).

The Instructor . . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Organized the course clearly.	4.56	5.00	0.00%	5.26%	0.00%	26.32%	63.16%	5.26%
Presented lectures that enhanced your understanding.	4.50	4.50	0.00%	0.00%	0.00%	47.37%	47.37%	5.26%
Facilitated discussions that were engaging and useful.	4.00	4.00	0.00%	5.26%	26.32%	21.05%	36.84%	10.53%
Stimulated your interest in the core ideas of the course.	4.33	4.50	0.00%	5.26%	5.26%	36.84%	47.37%	5.26%
Challenged you to learn.	4.56	5.00	0.00%	0.00%	5.26%	31.58%	57.89%	5.26%
Helped you gain significant learning from the course content.	4.39	4.00	0.00%	0.00%	0.00%	57.89%	36.84%	5.26%
Was available and helpful outside of class.	4.35	4.00	0.00%	0.00%	10.53%	36.84%	42.11%	10.53%
Motivated you to think independently.	4.44	4.50	0.00%	0.00%	5.26%	42.11%	47.37%	5.26%
Worked to create an inclusive and welcoming learning environment.	4.65	5.00	0.00%	0.00%	0.00%	33.33%	61.11%	5.56%
Overall, this instructor made a significant contribution to your learning.	4.28	5.00	5.26%	0.00%	10.53%	26.32%	52.63%	5.26%

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
Malena Bell
Sulagna Ghosh. She was extremely helpful and knowledgeable. During OH she helped clearing all doubts regarding the homework. She also responded promptly to any mails sent after OH.
Malena
just their presence to help out with R
Harriet
Malena Bell
Malena bell
they were great at explaining
Malena Bell. She taught the collaboration section of the course. She was very nice and helpful with the work and with expectations of the course.

The TA/CA or Intern. . .

	Mean	Median	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	N/A
Facilitated discussions that supported your learning.	4.45	5.00	0.00%	0.00%	9.09%	36.36%	54.55%	0.00%
Gave you useful feedback on your work.	4.45	5.00	0.00%	0.00%	9.09%	36.36%	54.55%	0.00%
Stimulated your interest in the core ideas of the class.	4.27	5.00	0.00%	9.09%	9.09%	27.27%	54.55%	0.00%
Challenged you to learn.	4.27	4.00	0.00%	9.09%	0.00%	45.45%	45.45%	0.00%
Helped you succeed in the class.	4.64	5.00	0.00%	0.00%	0.00%	36.36%	63.64%	0.00%
Was available and helpful outside of class.	4.64	5.00	0.00%	0.00%	0.00%	36.36%	63.64%	0.00%
Overall, this individual made a significant contribution to your learning.	4.64	5.00	0.00%	0.00%	0.00%	36.36%	63.64%	0.00%

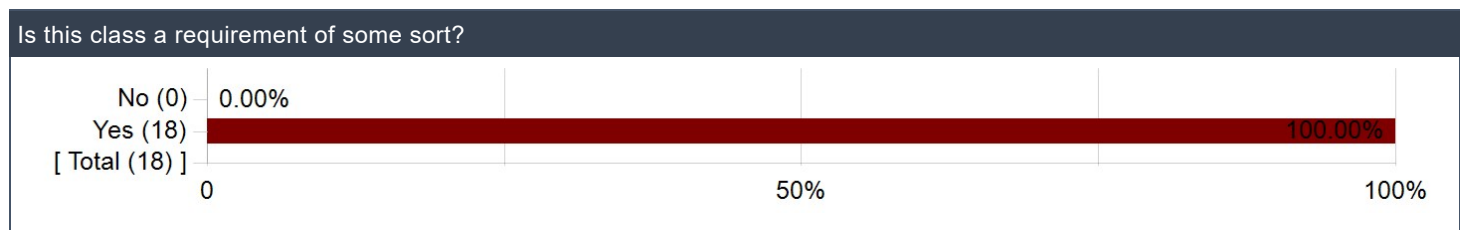
How much did the following elements of the course contribute to your learning gains?

	Mean	Median	No Gain	A Little Gain	Moderate Gain	Good Gain	Great Gain	N/A
Laboratory Experience	3.67	4.00	0.00%	0.00%	14.29%	28.57%	0.00%	57.14%
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	4.33	4.00	0.00%	0.00%	0.00%	28.57%	14.29%	57.14%
Writing Seminars	N/A	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%

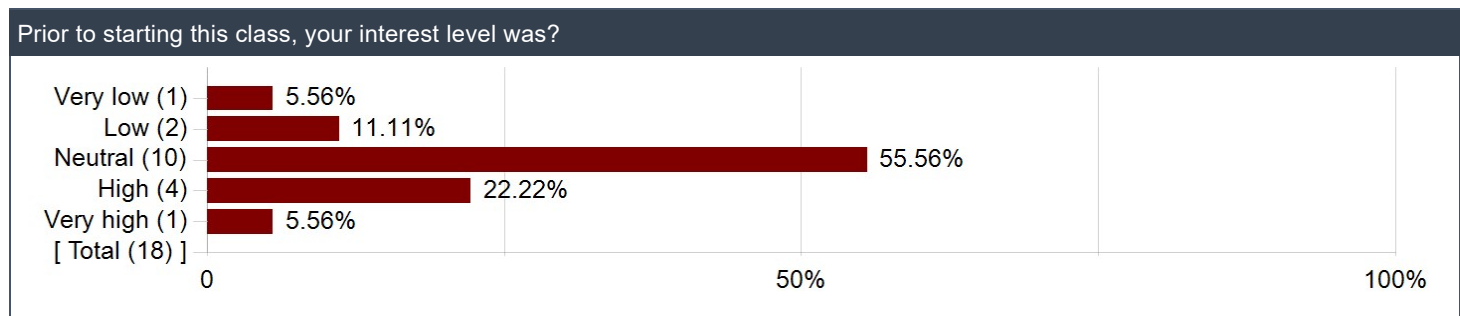
Other course elements not mentioned above:

Comments
The collaborative learning problems prepared me for the homework assignments.
R coding
Slic
The collaborative learning sections were a great place to ask questions about the material and gain more practice.

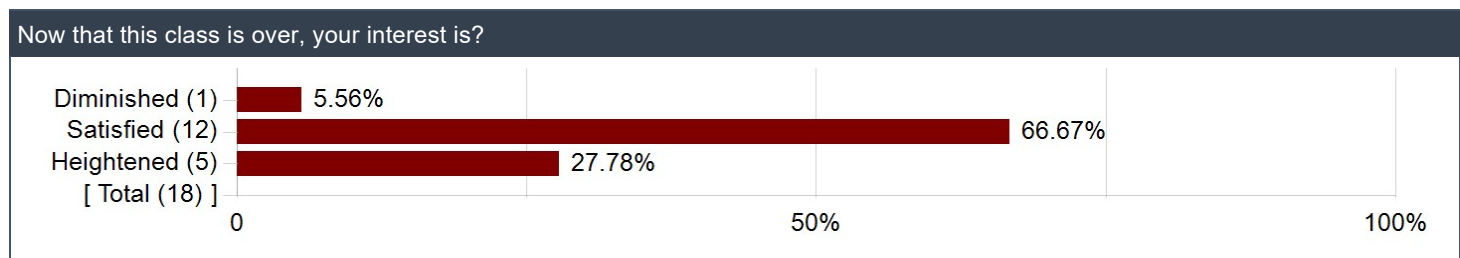
Is this class a requirement of some sort?



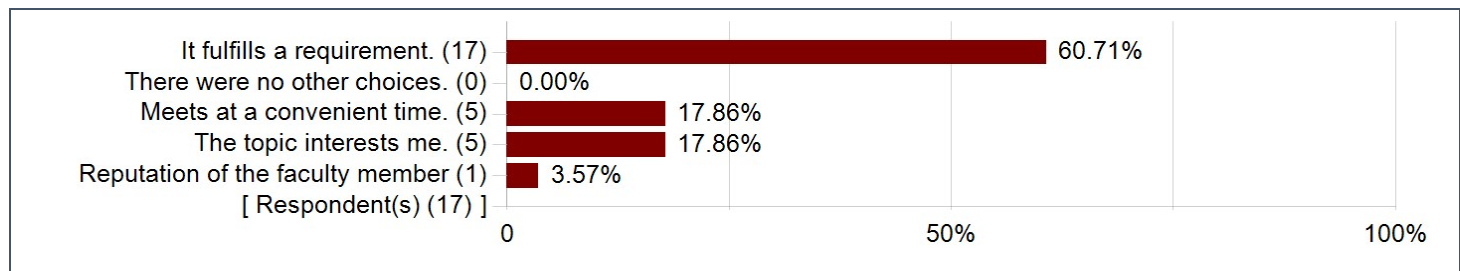
Prior to starting this class, your interest level was?



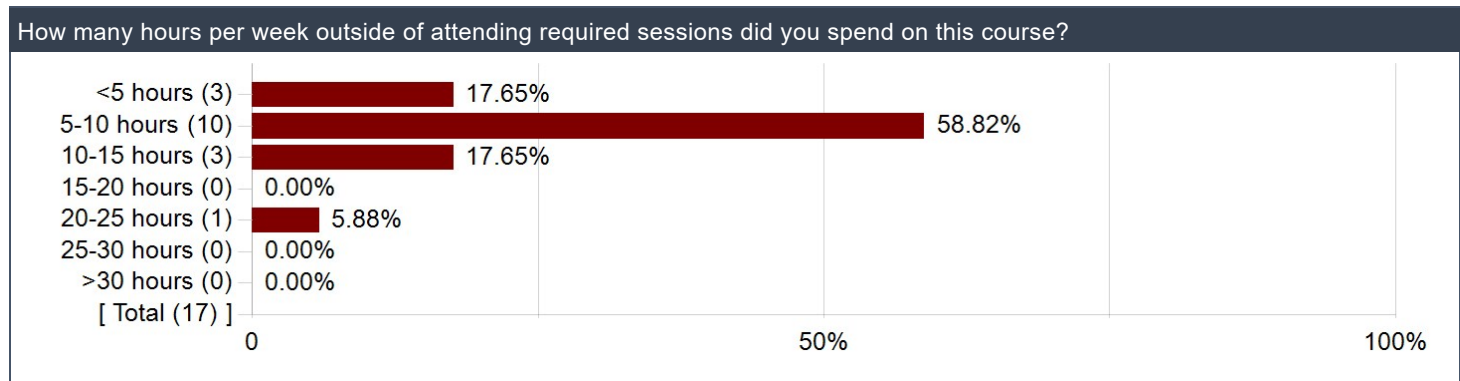
Now that this class is over, your interest is?



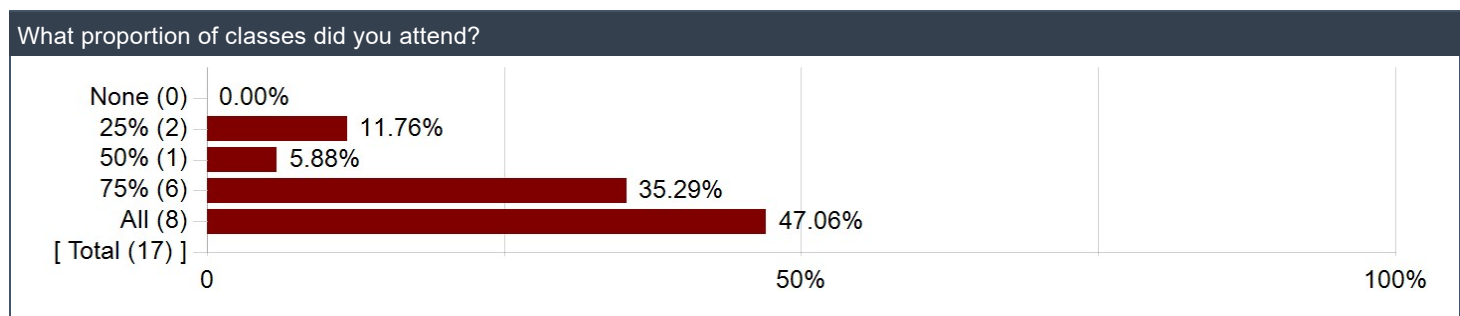
Why did you choose to take this course? (Select all that apply)



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
this class is a medium difficulty course. the hardest thing is understanding what an equation or question means. understanding what your answer means is important so going to office hours / reviewing slides is best. when you get what is being asked in the homework, you can choose what equation to use and after that its just plugging in numbers.
The course is not very difficult if you put in the time to practice and read the material.
It was one of the easiest classes that I've taken here so far.
It is pretty difficult, but not impossible
ok ok
It was difficult but in a good way. It challenged me intellectually.
Very easy. Anyone with common sense and a calculator can succeed.
I have previous statistics experience but no coding experience so this course was moderately challenging
No stats background, and it felt like the class was moving at a good pace. Not too time consuming but PSets were long, not particularly difficult .
This class can be hard if you fall behind, but it is manageable.
I had taken some classes early that touched on many of the statistical concepts, so not all of the material (like regressions or expected values) was challenging, but I still learned a LOT in this course!