

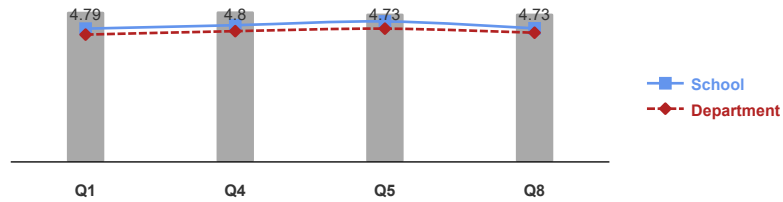
Stanford University

Spring 2024 Course Feedback

Course: Sp24-ECON-109-01: ECON OUTER SPACE
Instructor: Megha Patnaik *
Response Rate: 15/20 (75.00 %)

At A Glance: Summary Chart

Extremely well
Very well
Moderately well
Slightly well
Not well at all



Q1 - How well did you achieve the learning goals of this course?
 Q4 - How much did you learn from this course?
 Q5 - Overall, how would you describe the quality of the instruction in this course?
 Q8 - How organized was the course?

1 - How well did you achieve the learning goals of this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Extremely well	(5)	12	85.71%		4.79	4.25	4.06						
Very well	(4)	1	7.14%										
Moderately well	(3)	1	7.14%										
Slightly well	(2)	0	0.00%										
Not well at all	(1)	0	0.00%										
					0	25	50	100	Question	School	Department		
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median		
14/20 (70.00%)	4.79	0.58	5.00	13902	4.25	0.85	4.00	1022	4.06	0.91	4.00		

2 - About what percent of the class meetings (including discussions) did you attend in person?

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
85	(85)	1	8.33%		97.17	86.55	85.69						
86	(86)	1	8.33%										
95	(95)	1	8.33%										
100	(100)	9	75.00%										
					0	25	50	100	Question	School	Department		
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median		
12/20 (60.00%)	97.17	5.64	100.00	12466	86.55	23.14	95.00	914	85.69	22.26	95.00		

3 - About what percent of the class meetings did you attend online?

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
0	(0)	5	100.00%		11.41	7.37							
					0	25	50	100	Question	School	Department		
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median		
5/20 (25.00%)	0.00	0.00	0.00	7532	11.41	27.45	0.00	514	7.37	20.03	0.00		

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4 - How much did you learn from this course?												
Response Option		Weight	Frequency	Percent	Percent Responses	Means						
A great deal		(5)	8	80.00%		4.80	4.36	4.17				
A lot		(4)	2	20.00%								
A moderate amount		(3)	0	0.00%								
A little		(2)	0	0.00%								
Nothing		(1)	0	0.00%								
					0	25	50	100	Question	School	Department	
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median	
10/20 (50.00%)	4.80	0.42	5.00	13076	4.36	0.82	5.00	949	4.17	0.87	4.00	

5 - Overall, how would you describe the quality of the instruction in this course?												
Response Option		Weight	Frequency	Percent	Percent Responses	Means						
Excellent		(5)	8	72.73%		4.73	4.48	4.25				
Good		(4)	3	27.27%								
Fair		(3)	0	0.00%								
Poor		(2)	0	0.00%								
Very Poor		(1)	0	0.00%								
					0	25	50	100	Question	School	Department	
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median	
11/20 (55.00%)	4.73	0.47	5.00	13075	4.48	0.78	5.00	948	4.25	0.90	4.00	

6 - What skills or knowledge did you learn or improve?	
Response Rate	10/20 (50%)
<ul style="list-style-type: none"> • Coding in Julia and analyzing satellite data • How to access, clean, analyze remote sensing data • Process satellite imagery • Learnt how to code in Julia from scratch. Learnt a plethora of information about satellite data and the uses of data including nighttime lights data in order to make reasonable assumptions. • Use of night lights and alternate forms of data Coding in Julia Reading economic papers on nightlights • Learned about the use of satellite data to inform economic growth and in answering other related questions. Gained a comprehensive understanding of keys studies done within the satellite data/econ space, and received a thorough review of different methods of analysis & experimental design used in the space. • I had no prior knowledge of satellites and nighttime lights data, so the class was a wonderful introduction to the subject that was complemented by practical usage of Julia. • How to use nightlights to interpret economic growth • Using nighttime lights to understand economic growth, Using Julia programming language, Navigating Google maps to locate places and extraction of longitude and latitude Reading and interpreting academic papers: graphs, etc • Working with and analyzing satellite data 	

7 - How many hours per week on average did you spend on this course (including class meetings)?												
Response Option		Weight	Frequency	Percent	Percent Responses	Means						
5		(5)	1	9.09%		7.64	9.33	10.68				
6		(6)	4	36.36%								
8		(8)	2	18.18%								
9		(9)	1	9.09%								
10		(10)	3	27.27%								
					0	25	50	100	Question	School	Department	
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median	
11/20 (55.00%)	7.64	1.91	8.00	11213	9.33	6.96	8.00	805	10.68	6.66	10.00	

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8 - How organized was the course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Extremely organized	(5)	8	72.73%			4.73	4.26	4.12				
Very organized	(4)	3	27.27%									
Moderately organized	(3)	0	0.00%									
Slightly organized	(2)	0	0.00%									
Not organized at all	(1)	0	0.00%									
					0	25	50	100	Question	School	Department	
Response Rate	Mean	STD	Median	School	Mean	STD	Median	Department	Mean	STD	Median	
11/20 (55.00%)	4.73	0.47	5.00	12717	4.26	0.84	4.00	918	4.12	0.86	4.00	

9 - What would you like to say about this course to a student who is considering taking it in the future? All comments are subject to Stanford's Terms of Use for Sites. Answers to this question will be viewable by other students, as well as instructors.

Response Rate	10/20 (50%)
<ul style="list-style-type: none"> • n/a • Not the most rewarding or interesting class in the Econ department. Gives good overview of applications of satellite data and remote sensing data like nighttime light intensity data, based on extensive literature review and applied group projects that involve us accessing datasets and using them to analyze some relationship. • Megha and Tamri are amazing! They care a lot and want you to succeed. I learned a lot in this class and the workload is very reasonable. Just 3 assignments, a final presentation, and an exam. • Great class, Professor Patnaik is extremely supportive and flexible with the work. This class also offers a new aspect to the economics major. • This class is definitely not what I expected at first, but it's super interesting for those who want to explore alternate forms of data. Basically this class deals with how we can solve economic problems with satellite data. Megha is a fantastic professor and helps you a ton if you need it. She provided helpful guidance to us in our project, which goes to show that she wants to support our learning. I would recommend having some coding experience for this class. • This was a fantastic course! Everything we went over in class was incredibly interesting and spoke to the applicability of satellite data in Economics, and more broadly, as a research tool. I would engage as much as possible with the instructors and the content. The final project at the end of the course is designed to allow you to explore any question you might be interested in. • This class provides an excellent introduction to satellite and nighttime lights data, which is increasingly popular for analyzing economic trends. I was initially concerned about my lack of experience with Julia, but the class is incredibly accessible for both non-cs majors and non-econ majors. I would highly recommend this class to anyone interested in real-world applications of econometrics, particularly if they are considering an economics major. • Very good course and professor • if you want to take the course, take it with Professor Megha Patnaik! She is knowledgeable, and kind, and goes beyond to explain the material. Ohh she is also lively and funny! • Super fun and chill course. Great way to get introduced to coding as an Econ major as well. Prof was awesome! 	

10 - Would you like to provide any other comments about this course?

Response Rate	4/20 (20%)
<ul style="list-style-type: none"> • n/a • I think alot of the people in the class were confused about what the class was going to be about based on the name of the course. "Statellite Economics" might be a more suitable name. Also, I don't think the class needs to meet 3 days a week. 2 lectures with a 50 min section on Friday is more suitable and you can use the section to work on the coding worksheets. I would also mention in the course description that it's recommended if you have some coding experience. • Ni • I am glad it is taught, more resources and materials can help to improve the learning objectives 	

Mean of Means Calculations	Mean	School	Department
Mean of Means	4.76	4.34	4.15