

Virginia Tech

Spring 2022 VT Student Perceptions of Teaching (SPOT)

Course: CS_5824_13441_202201: Advanced Machine Learning-CS_5824_13441_202201
Instructor: Ming Jin *
Response Rate: 35/37 (94.59%)

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1A - The instructor was well prepared.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	3	8.57%		5.26	5.24	5.23						
Disagree	(2)	0	0.00%										
Somewhat disagree	(3)	0	0.00%										
Somewhat agree	(4)	2	5.71%										
Agree	(5)	7	20.00%										
Strongly agree	(6)	23	65.71%										
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
35/37 (94.59%)	5.26	1.44	6.00	19839	5.24	1.08	6.00	4037	5.23	1.06	6.00		

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1B - The instructor presented the subject matter clearly.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	1	2.86%		5.17	5.01	5.04						
Disagree	(2)	0	0.00%										
Somewhat disagree	(3)	1	2.86%										
Somewhat agree	(4)	5	14.29%										
Agree	(5)	11	31.43%										
Strongly agree	(6)	17	48.57%										
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
35/37 (94.59%)	5.17	1.10	5.00	19709	5.01	1.25	5.00	4011	5.04	1.21	5.00		

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1C - The instructor provided feedback intended to improve my course performance.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Strongly disagree	(1)	2	5.71%		4.89	4.97	4.96						
Disagree	(2)	1	2.86%										
Somewhat disagree	(3)	2	5.71%										
Somewhat agree	(4)	5	14.29%										
Agree	(5)	9	25.71%										
Strongly agree	(6)	16	45.71%										
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
35/37 (94.59%)	4.89	1.43	5.00	19676	4.97	1.28	5.00	3995	4.96	1.28	5.00		

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1D - The instructor fostered an atmosphere of mutual respect.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	1	2.86%		5.46	5.35	5.29					
Disagree	(2)	0	0.00%		Question	College	Department					
Somewhat disagree	(3)	0	0.00%		Mean	STD	Median	Department	Mean	STD	Median	
Somewhat agree	(4)	0	0.00%		35/37 (94.59%)	5.46	0.92	6.00	19693	5.35	1.03	6.00
Agree	(5)	14	40.00%		6.00	3994	5.29	1.06	6.00			
Strongly agree	(6)	20	57.14%									

1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1E - Overall, the instructor's teaching was effective.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	1	2.94%		5.09	5.00	5.02					
Disagree	(2)	1	2.94%		Question	College	Department					
Somewhat disagree	(3)	1	2.94%		Mean	STD	Median	Department	Mean	STD	Median	
Somewhat agree	(4)	3	8.82%		34/37 (91.89%)	5.09	1.19	5.00	19556	5.00	1.28	5.00
Agree	(5)	13	38.24%		5.00	3958	5.02	1.24	5.00			
Strongly agree	(6)	15	44.12%									

2 - Please indicate the extent to which you agree or disagree with each of the following statements:

3A - I have a deeper understanding of the subject matter as a result of this course.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	1	2.86%		5.20	5.11	5.18					
Disagree	(2)	0	0.00%		Question	College	Department					
Somewhat disagree	(3)	0	0.00%		Mean	STD	Median	Department	Mean	STD	Median	
Somewhat agree	(4)	4	11.43%		35/37 (94.59%)	5.20	0.99	5.00	18115	5.11	1.12	5.00
Agree	(5)	15	42.86%		5.00	3446	5.18	1.08	5.00			
Strongly agree	(6)	15	42.86%									

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2 - Please indicate the extent to which you agree or disagree with each of the following statements:

3B - My interest in the subject matter was stimulated by this course.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	1	2.86%		5.17	4.85	4.95					
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	1	2.86%									
Somewhat agree	(4)	5	14.29%									
Agree	(5)	11	31.43%									
Strongly agree	(6)	17	48.57%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	5.17	1.10	5.00	18025	4.85	1.35	5.00	3427	4.95	1.31	5.00	

3 - 6A - How would you rate the physical environment in which you took this class based upon your ability to see, hear, concentrate, and participate?

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Very Bad	(1)	0	0.00%		5.53	5.16	5.21					
Bad	(2)	0	0.00%									
Poor	(3)	0	0.00%									
Fair	(4)	1	3.13%									
Good	(5)	13	40.63%									
Very Good	(6)	18	56.25%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
32/37 (86.49%)	5.53	0.57	6.00	17956	5.16	0.97	5.00	3391	5.21	0.94	5.00	

4 - Please indicate the extent to which you agree or disagree with each of the following statements:

I improved my ability to problem solve.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	0	0.00%		5.40	5.06	5.12					
Disagree	(2)	0	0.00%									
Somewhat disagree	(3)	1	2.86%									
Somewhat agree	(4)	3	8.57%									
Agree	(5)	12	34.29%									
Strongly agree	(6)	19	54.29%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	5.40	0.77	6.00	18068	5.06	1.08	5.00	3417	5.12	1.03	5.00	

4 - Please indicate the extent to which you agree or disagree with each of the following statements:

The textbook or course readings made a valuable contribution to my learning.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly disagree	(1)	0	0.00%		4.80	4.56	4.68					
Disagree	(2)	1	2.86%									
Somewhat disagree	(3)	3	8.57%									
Somewhat agree	(4)	10	28.57%									
Agree	(5)	9	25.71%									
Strongly agree	(6)	12	34.29%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	4.80	1.11	5.00	17968	4.56	1.44	5.00	3402	4.68	1.42	5.00	

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4 - Please indicate the extent to which you agree or disagree with each of the following statements:

The objectives of the course were clearly explained.

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%		5.17	5.07	5.12				
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	2	5.71%								
Somewhat agree	(4)	5	14.29%								
Agree	(5)	13	37.14%								
Strongly agree	(6)	15	42.86%								
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
35/37 (94.59%)	5.17	0.89	5.00	18003	5.07	1.15	5.00	3395	5.12	1.10	5.00

4 - Please indicate the extent to which you agree or disagree with each of the following statements:

The out-of-class assignments were educationally valuable.

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%		5.53	5.01	5.08				
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	3	8.82%								
Agree	(5)	10	29.41%								
Strongly agree	(6)	21	61.76%								
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
34/37 (91.89%)	5.53	0.66	6.00	17908	5.01	1.20	5.00	3389	5.08	1.14	5.00

5 - The instructor related theories and concepts to practical issues.

Ming Jin

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%		5.34	5.26	5.18				
Disagree	(2)	1	2.86%								
Somewhat disagree	(3)	0	0.00%								
Somewhat agree	(4)	3	8.57%								
Agree	(5)	13	37.14%								
Strongly agree	(6)	18	51.43%								
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
35/37 (94.59%)	5.34	0.87	6.00	19417	5.26	1.02	6.00	3882	5.18	1.04	5.00

6 - I learned to apply principles from this course to new situations.

Response Option	Weight	Frequency	Percent	Percent Responses	Means						
Strongly disagree	(1)	0	0.00%		5.18	5.13	5.13				
Disagree	(2)	0	0.00%								
Somewhat disagree	(3)	1	2.94%								
Somewhat agree	(4)	7	20.59%								
Agree	(5)	11	32.35%								
Strongly agree	(6)	15	44.12%								
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
34/37 (91.89%)	5.18	0.87	5.00	3372	5.13	1.04	5.00	3372	5.13	1.04	5.00

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7 - Select below to indicate your level of assent with the following statement: "In this class, my instructor was approachable and welcoming."

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly Disagree	(1)	0	0.00%		5.66	5.31	5.31					
Disagree	(2)	0	0.00%									
Somewhat Disagree	(3)	0	0.00%									
Somewhat Agree	(4)	1	2.86%									
Agree	(5)	10	28.57%									
Strongly Agree	(6)	24	68.57%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	5.66	0.54	6.00	3385	5.31	1.06	6.00	3385	5.31	1.06	6.00	

8 - Select below to indicate your level of assent with the following statement: In this class, my experiences encourage me to continue studying computer science.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly Disagree	(1)	0	0.00%		5.43	5.06	5.06					
Disagree	(2)	1	2.86%									
Somewhat Disagree	(3)	1	2.86%									
Somewhat Agree	(4)	3	8.57%									
Agree	(5)	7	20.00%									
Strongly Agree	(6)	23	65.71%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	5.43	0.98	6.00	3389	5.06	1.21	5.00	3389	5.06	1.21	5.00	

9 - Select below to indicate your level of assent with the following statement: In this class, the VT Principles of Community were honored.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Strongly Disagree	(1)	1	2.86%		5.51	5.51	5.51					
Disagree	(2)	0	0.00%									
Somewhat Disagree	(3)	0	0.00%									
Somewhat Agree	(4)	1	2.86%									
Agree	(5)	10	28.57%									
Strongly Agree	(6)	23	65.71%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	5.51	0.95	6.00	3380	5.51	0.78	6.00	3380	5.51	0.78	6.00	

10 - Select below to indicate your level of assent with the following statement: In this class, I felt excluded or marginalized.

Response Option	Weight	Frequency	Percent	Percent Responses	Means							
Not at all	(1)	31	88.57%		1.40	1.43	1.43					
Slightly	(2)	1	2.86%									
Somewhat	(3)	0	0.00%									
Moderately	(4)	1	2.86%									
Very	(5)	0	0.00%									
Extremely	(6)	2	5.71%									
					0	25	50	100	Question	College	Department	
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median	
35/37 (94.59%)	1.40	1.26	1.00	3398	1.43	1.19	1.00	3398	1.43	1.19	1.00	

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11 - Select below to indicate your level of assent with the following statement: In this class, I witnessed some individuals making derogatory or insulting comments about others.

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Never	(1)	32	91.43%										
Very rarely	(2)	1	2.86%										
Rarely	(3)	0	0.00%										
Occasionally	(4)	0	0.00%										
Frequently	(5)	0	0.00%										
Very Frequently	(6)	2	5.71%		1.31	1.35	1.35						
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
35/37 (94.59%)	1.31	1.18	1.00	3385	1.35	1.10	1.00	3385	1.35	1.10	1.00		

12 - Please select an overall rating for TA #1:

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Very Poor	(1)	0	0.00%										
Poor	(2)	0	0.00%										
Fair	(3)	0	0.00%										
Average	(4)	2	11.11%										
Good	(5)	5	27.78%										
Excellent	(6)	11	61.11%		5.50	5.21	5.21						
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
18/37 (48.65%)	5.50	0.71	6.00	1151	5.21	1.24	6.00	1151	5.21	1.24	6.00		

13 - Please select an overall rating for TA #2:

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Very Poor	(1)	0	0.00%										
Poor	(2)	1	6.67%										
Fair	(3)	0	0.00%										
Average	(4)	3	20.00%										
Good	(5)	5	33.33%										
Excellent	(6)	6	40.00%		5.00	5.21	5.21						
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
15/37 (40.54%)	5.00	1.13	5.00	684	5.21	1.11	6.00	684	5.21	1.11	6.00		

14 - Please select an overall rating for TA #3:

Response Option	Weight	Frequency	Percent	Percent Responses	Means								
Very Poor	(1)	0	0.00%										
Poor	(2)	0	0.00%										
Fair	(3)	0	0.00%										
Average	(4)	2	28.57%										
Good	(5)	1	14.29%										
Excellent	(6)	4	57.14%		5.29	5.07	5.07						
					0	25	50	100	Question	College	Department		
Response Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median		
7/37 (18.92%)	5.29	0.95	6.00	454	5.07	1.15	5.00	454	5.07	1.15	5.00		