

IDS 720: Practicing Data Science

Number of Students Enrolled in Course Based on Roster: 19

Number of Unique Respondents: 17

Response Rate: 89.47%

Of the unique respondents, 14 were first-year MIDS students (about 82%).

** Note: The following descriptives represent frequency tables from SAS output. The data represent responses collected between November 10th and November 25th, 2020.

Q2_1 Please indicate your level of agreement with the following statement:

The course objectives were clear.		
	Frequency	Percent
Strongly Agree	15	94.12
Agree	1	5.88

n = 17

Q2_2 Please indicate your level of agreement with the following statement:

The readings were clear and appropriate.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	2	11.76

n = 17

Q2_3 Please indicate your level of agreement with the following statement:

The assignments were appropriate.		
	Frequency	Percent
Strongly Agree	14	82.35
Agree	3	17.65

n = 17

Q2_4 Please indicate your level of agreement with the following statement:

The assignments were appropriate for group work.		
	Frequency	Percent
Strongly Agree	14	82.35
Agree	2	11.76
Neutral	1	5.88

n = 17

Q2_5 Please indicate your level of agreement with the following statement:

Grading was fair, appropriate, and consistent.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	1	5.88
Neutral	1	5.88

n = 17

Q2_6 Please indicate your level of agreement with the following statement:

This course increased my interest in the subject.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	2	11.76

n = 17

Q2_7 Please indicate your level of agreement with the following statement:

This course increased my knowledge in the subject.		
	Frequency	Percent
Strongly Agree	17	100.00

n = 17

Q3 Please provide any explanations for the responses (above), especially if you indicated disagree or strongly disagree.

	Frequency	Percent
Nick was great.	1	25.00
The curriculum was well-designed with different practical aspects being taught in the class. If possible, I wish I could learn more on dealing with missing data and data wrangling not in this class but in a mini-class in the 1st year of college.	1	25.00
This class is very helpful to someone who is new to the data science space and Nick is a really good professor on helping students, the TAs are awesome as well, especially Nathan. Give him a raise!	1	25.00
This course was well laid out, well-taught, and took me from no knowledge to a decent working knowledge of programs and concepts, which is a major accomplishment. Some of the assignments were very difficult, but I understood what the professor was going for.	1	25.00

n = 4

Q4_1 Please indicate your level of agreement with the following statement:

The professor demonstrated knowledge of the subject matter.		
	Frequency	Percent
Strongly Agree	15	94.12
Agree	1	5.88

n = 17

Q4_2 Please indicate your level of agreement with the following statement:

The professor was effective in communicating course content.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	2	11.76

n = 17

Q4_3 Please indicate your level of agreement with the following statement:

The professor was organized and well prepared.		
	Frequency	Percent
Strongly Agree	15	94.12
Agree	1	5.88

n = 17

Q4_4 Please indicate your level of agreement with the following statement:

The professor encouraged feedback from the class.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	2	11.76

n = 17

Q4_5 Please indicate your level of agreement with the following statement:

The professor showed genuine concern for me.		
	Frequency	Percent
Strongly Agree	15	88.24
Agree	1	5.88
Neutral	1	5.88

n = 17

Q4_6 Please indicate your level of agreement with the following statement:

The professor was enthusiastic about the course.		
	Frequency	Percent
Strongly Agree	17	100.00

n = 17

Q5 Please provide any explanations for the responses above, especially if you indicated disagree or strongly disagree.

	Frequency	Percent
Again, Nick was great.	1	20.00
Nicholas Eubank was one of, if not the, best professor I've ever had. Not only was he very knowledgeable, readily available, and incredibly thoughtful about the structure of the course, but he also understands and applies the pedagogy of learning and best educational practices to really help his students understand and apply the material. He also cares for his students' well being. Whatever you are paying him, it isn't enough!	1	20.00
Nick showed resiliency when facing challenging bugs, which was something I could learn from	1	20.00
One of the things I found especially helpful were the readings that you (Nick) wrote. I thought they were the clearest, most enjoyable and most helpful readings. Really enjoy your writing style and found it very educational relative to the text books and external reading links.	1	20.00
The professor tried to cover most of the fundamental subjects within data science and I learned a lot. For someone with a basic understanding of python, this class is definitely challenging for me but very rewarding.	1	20.00

n = 5

Q6_1 Please indicate your overall rating of:

Assignments		
	Frequency	Percent
Excellent	11	64.71
Very Good	5	29.41
Fair	1	5.88

n = 17

Q6_2 Please indicate your overall rating of:

Texts / Readings		
	Frequency	Percent
Excellent	12	70.59
Very Good	3	17.65
Good	2	11.76

n = 17

Q6_3 Please indicate your overall rating of:

Group Work		
	Frequency	Percent
Excellent	10	58.82
Very Good	5	29.41
Good	1	5.88
Fair	1	5.88

n = 17

Q6_4 Please indicate your overall rating of:

Exams		
	Frequency	Percent
Excellent	4	66.67
Very Good	1	16.67
Good	1	16.67

n = 6

Q6_5 Please indicate your overall rating of:

Professor		
	Frequency	Percent
Excellent	15	88.24
Very Good	2	11.76

n = 17

Q6_6 Please indicate your overall rating of:

TAs and other teaching assistants		
	Frequency	Percent
Excellent	13	76.47
Very Good	3	17.65
Good	1	5.88

n = 17

Q6_7 Please indicate your overall rating of:

My effort as a student		
	Frequency	Percent
Excellent	12	70.59
Very Good	3	17.65
Good	2	11.76

n = 17

Q6_8 Please indicate your overall rating of:

Overall course		
	Frequency	Percent
Excellent	14	82.35
Very Good	2	11.76
Good	1	5.88

n = 17

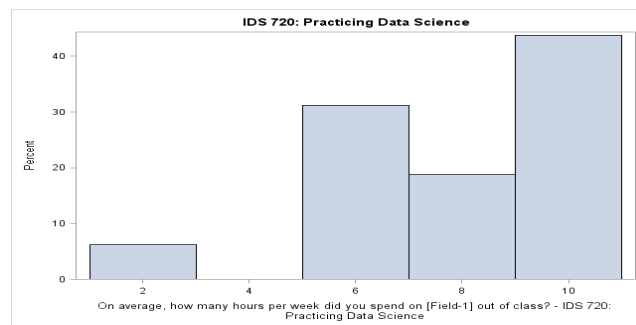
Q7 Please provide any explanations for the responses above, especially if you indicated poor or fair.

	Frequency	Percent
I did find group work during every single class period, almost always resulting in a fragmented homework assignment, fairly draining. I began to almost dread class periods because of the random mixing each day and constant group work. I would have much preferred a mix of lectures and group work. I also believe individual assignments could be mixed in and may have improved the experience for some.	1	50.00
I think the course was great. If there was one thing I'd change it'd be that there was a little too much group work. To some extent I would have liked, and might have benefited from some individual assignments.	1	50.00

n = 2

Q8 On average, how many hours per week did you spend on (IDS 720) out of class?

N	Mean	Median	Std Dev	Minimum	Maximum	Lower 95% CI	Upper 95% CI
16	7.50	8.00	2.66	1.00	10.00	6.08	8.92



Q9 Would you recommend this course to other students?

	Frequency	Percent
Definitely	15	88.24
Not sure	2	11.76

n = 17

Q10_1 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Technical skills (e.g., coding in Python)		
	Frequency	Percent
A great deal	17	100.00

n = 17

Q10_2 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Mathematical / statistical skills and knowledge		
	Frequency	Percent
A great deal	5	29.41
Some	6	35.29
A little	6	35.29

n = 17

Q10_3 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Domain knowledge (e.g., economics, medical studies, engineering)		
	Frequency	Percent
A great deal	7	41.18
Some	7	41.18
A little	3	17.65

n = 17

Q10_4 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Working in teams of people with a variety of skills and backgrounds		
	Frequency	Percent
A great deal	14	82.35
Some	3	17.65

n = 17

Q10_5 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Giving and receiving feedback		
	Frequency	Percent
A great deal	11	64.71
Some	5	29.41
A little	1	5.88

n = 17

Q10_6 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Collaborative problem solving		
	Frequency	Percent
A great deal	14	82.35
Some	3	17.65

n = 17

Q10_7 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Ability to serve as a leader		
	Frequency	Percent
A great deal	11	64.71
Some	5	29.41
A little	1	5.88

n = 17

Q10_8 Based on your experience in (IDS 720), how much do you feel that you have improved in the following areas?

Apply technical, mathematical, statistical, and domain knowledge to real analysis problems		
	Frequency	Percent
A great deal	13	76.47
Some	4	23.53

n = 17

Q11 Is there anything else you would like the professor to know?

	Frequency	Percent
Definition of what a Duke Professor should be	1	8.33
I would like to have more office hours available on different days of the week.	1	8.33
It would be nice if every week class starts with highlighting the most important part of our weekly readings before going directly to exercises	1	8.33
Nathan is more than awesome!!	1	8.33
Nick I have truly learnt a lot in this class! I would 100% recommend this class for anyone interested in becoming a data scientist!	1	8.33
Thank you Nick for being a wonderful professor! I was able to deal with the messy data in Datathon this semester because I took your class. Please continue to stay passionate in teaching. You are such an amazing professor!	1	8.33
Thank you for being one of, if not the, best professor I've ever had. I could tell you have put hours and hours into creating the material and thoughtfully composing the class structure. Your use of learning pedagogies to make sure students understood and retained material is appreciated and well-received. Also, your Slack availability and willingness to work with/accessibility to students broke down authority barriers, which are often an impediment to reaching out for help/questions. I really appreciated that. My one suggestion is that material in the latter half of the course, specifically using larger services like Dask and Azure and GitHub, were very quickly breezed over. I think some in-class demos could have helped. Or, some more explanation. But overall, this was a great class.	1	8.33
Thank you very much!! You've been really responsible and this semester has been wonderful because of your class! I really appreciate that you introduce github and integrate cloud computing into class assignments. Moreover, I learned a lot about how to debug and communicate in data science forum.	1	8.33
Thank you!	1	8.33
The class was very well taught, the flipped classroom was 100% the way to go and was so helpful to my learning. Thank you so much for being a great and understanding professor!	1	8.33
This class was very good. Thanks Nick.	1	8.33
We love you Nick	1	8.33

n = 12

Q12 Is there anything else you would like the MIDS program to know about this course?

	Frequency	Percent
Again, I learned a decent amount this semester. But I did find the course very draining because of the style of group work. Some consistency within group work (assigned and expected teams) or just breaks from the group work in general might make things more bearable. I was sad that I began to dread classes because of the form, and not the material.	1	9.09
Fantastic course and will absolutely be the foundation of my skill as a Data Scientist in the future.	1	9.09
I am a Public Policy student at Sanford School and thank you for giving me the opportunity to attend this course in the MIDS program. Giving similar opportunities for students coming from other schools is very important and is something that should be encouraged in the future.	1	9.09
I appreciate how Nick tries to connect the material we learned in other class and let us practice in python particularly. It would be great if professors try to connect their materials somehow to present a bigger picture.	1	9.09
I think the program made a good decision making Nick's classes mandatory.	1	9.09
I think this course has prepared me for a variety of issues and problems that I may encounter in the future as a data scientist. I feel much more confident about my skill, as well as more aware that there is still a lot to learn and explore!	1	9.09
I will highly recommend all MIDS students to take this course even if they have some background in python.	1	9.09
It is great to have Nick as one of the first MIDS professors students have. He's great and very helpful.	1	9.09
This class was great. The only minor complaint/comment I have is that from late September onwards, it was probably my most time consuming class. In class exercises took an hour or two extra time outside of class to complete and it was a bit overwhelming in some ways as an add on class that not everyone was taking. But that said, I'm not even sure I would change that. I learned so much Python and improved my coding so much. I think it was my most beneficial class this semester. If you come into this program without Python knowledge it is absolutely crucial.	1	9.09
This is an excellent class overall!	1	9.09
Very useful, very good instructor, very glad I took this course	1	9.09

