Individual Report Spring 2024 for MATH 6650 100 - Numerical Analysis: Approximation Methods (Martin Mohlenkamp)
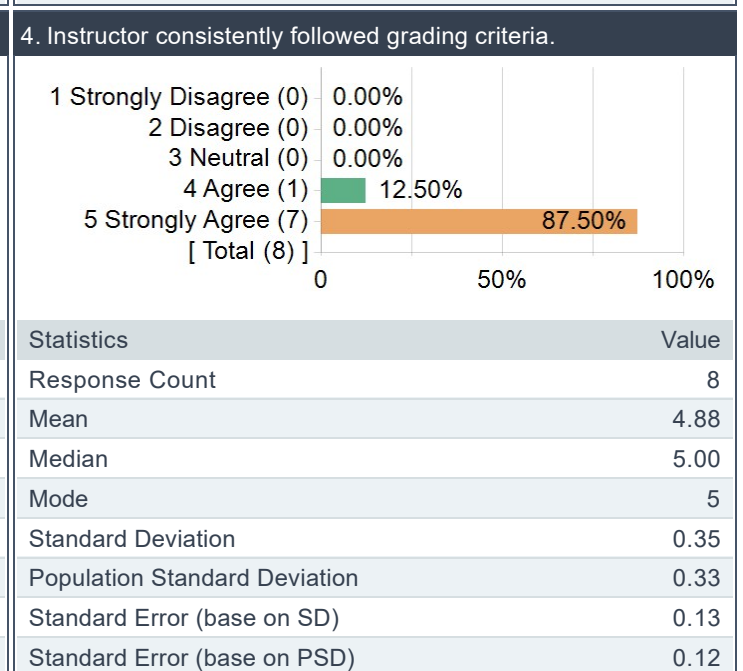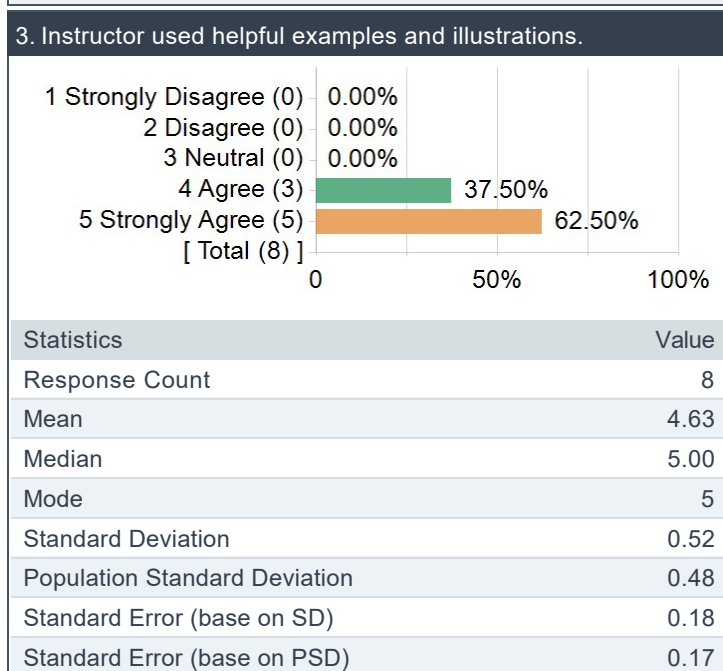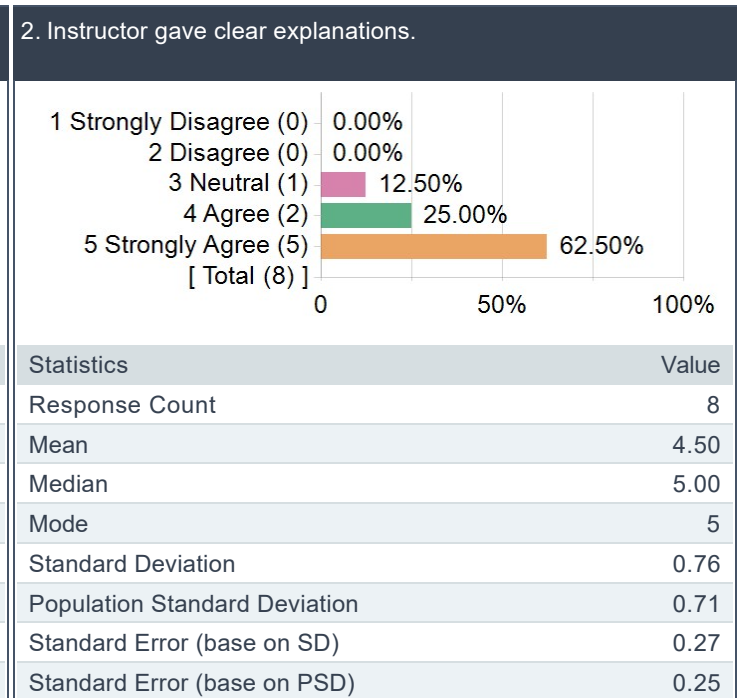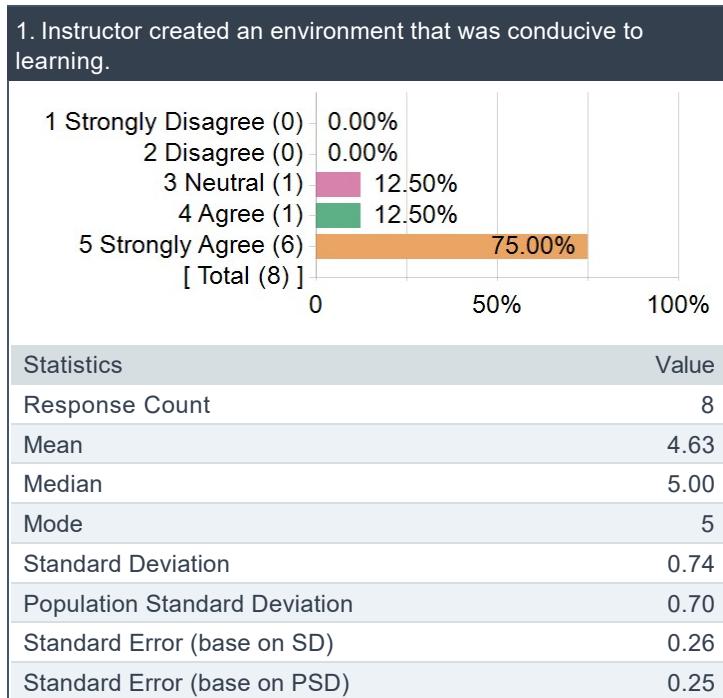
Project Title: **Course Evaluation Spring 2024**

Course Audience: **14**
Responses Received: **8**
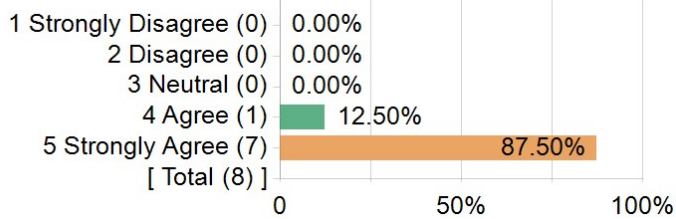Response Ratio: **57.14%**

Prepared by: **Joseph Scowden**
Creation Date: **Saturday, May 11, 2024**

Instructor Evaluation: Martin Mohlenkamp

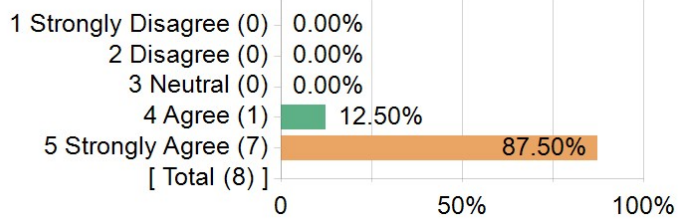| Competency Statistics	Value
Mean	4.77
Median	5.00
Mode	5
Standard Deviation	0.50
Standard Error (base on SD)	0.07
Population Standard Deviation	0.50
Standard Error (base on PSD)	0.07

1. Instructor created an environment that was conducive to learning.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	12.50%
4 Agree (1)	12.50%
5 Strongly Agree (6)	75.00%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.63
Median	5.00
Mode	5
Standard Deviation	0.74
Population Standard Deviation	0.70
Standard Error (base on SD)	0.26
Standard Error (base on PSD)	0.25

2. Instructor gave clear explanations.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	12.50%
4 Agree (2)	25.00%
5 Strongly Agree (5)	62.50%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.50
Median	5.00
Mode	5
Standard Deviation	0.76
Population Standard Deviation	0.71
Standard Error (base on SD)	0.27
Standard Error (base on PSD)	0.25

3. Instructor used helpful examples and illustrations.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (3)	37.50%
5 Strongly Agree (5)	62.50%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.63
Median	5.00
Mode	5
Standard Deviation	0.52
Population Standard Deviation	0.48
Standard Error (base on SD)	0.18
Standard Error (base on PSD)	0.17

4. Instructor consistently followed grading criteria.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (1)	12.50%
5 Strongly Agree (7)	87.50%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.88
Median	5.00
Mode	5
Standard Deviation	0.35
Population Standard Deviation	0.33
Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.12

5. Instructor provided useful feedback.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (1)	12.50%
5 Strongly Agree (7)	87.50%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.88
Median	5.00
Mode	5
Standard Deviation	0.35
Population Standard Deviation	0.33
Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.12

6. Instructor provided timely feedback.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (1)	12.50%
5 Strongly Agree (7)	87.50%
[Total (8)]	

Statistics	Value
Response Count	8
Mean	4.88
Median	5.00
Mode	5
Standard Deviation	0.35
Population Standard Deviation	0.33
Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.12

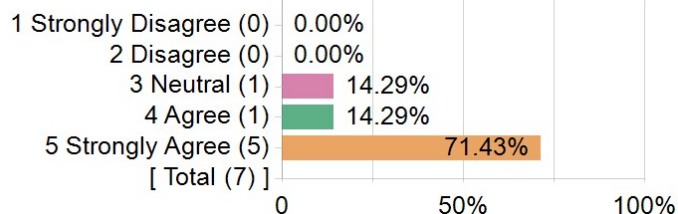## 7. Instructor was available for assistance outside of class.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (0)	0.00%
5 Strongly Agree (8)	100.00%
[Total (8)]	
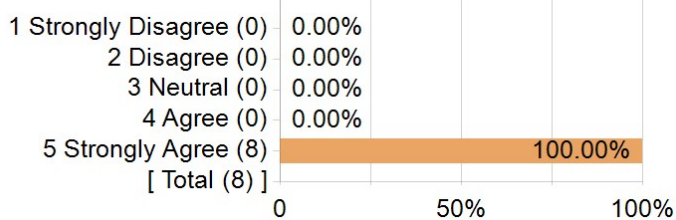
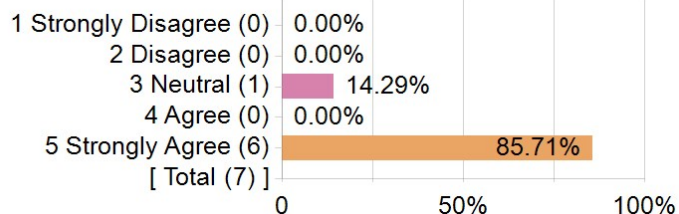| Statistics	Value
Response Count	8
Mean	5.00
Median	5.00
Mode	5
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

Course Evaluation:

Competency Statistics	Value
Mean	4.51
Median	5.00
Mode	5
Standard Deviation	0.95
Standard Error (base on SD)	0.16
Population Standard Deviation	0.94
Standard Error (base on PSD)	0.16

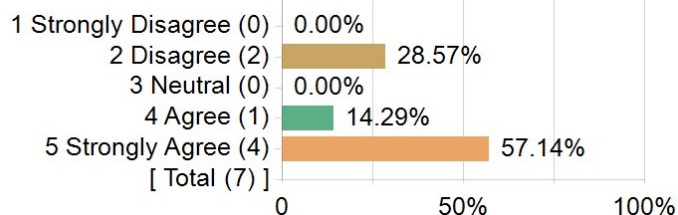## 1. Outside class activities (readings, assignments, homework, problem sets, etc.) helped me to understand the subject.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	14.29%
4 Agree (1)	14.29%
5 Strongly Agree (5)	71.43%
[Total (7)]	

Statistics	Value
Response Count	7
Mean	4.57
Median	5.00
Mode	5
Standard Deviation	0.79
Population Standard Deviation	0.73
Standard Error (base on SD)	0.30
Standard Error (base on PSD)	0.28

2. In-class activities (lecture, discussion, handouts, group-work, etc.) contributed to my understanding of the subject.
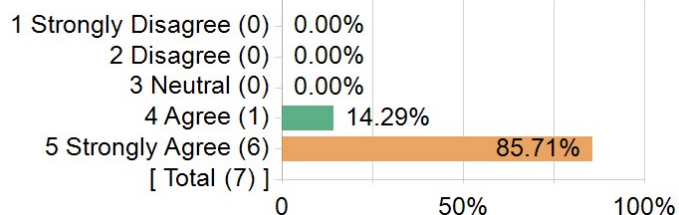
1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	14.29%
4 Agree (0)	0.00%
5 Strongly Agree (6)	85.71%
[Total (7)]	

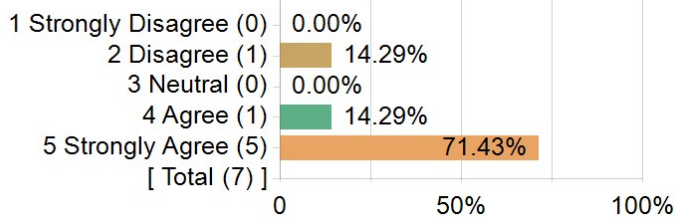| Statistics	Value
Response Count	7
Mean	4.71
Median	5.00
Mode	5
Standard Deviation	0.76
Population Standard Deviation	0.70
Standard Error (base on SD)	0.29
Standard Error (base on PSD)	0.26

3. This course challenged me intellectually.

1 Strongly Disagree (0)	0.00%
2 Disagree (2)	28.57%
3 Neutral (0)	0.00%
4 Agree (1)	14.29%
5 Strongly Agree (4)	57.14%
[Total (7)]	

Statistics	Value
Response Count	7
Mean	4.00
Median	5.00
Mode	5
Standard Deviation	1.41
Population Standard Deviation	1.31
Standard Error (base on SD)	0.53
Standard Error (base on PSD)	0.49

4. Course grading criteria were communicated clearly.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (1)	14.29%
5 Strongly Agree (6)	85.71%
[Total (7)]	

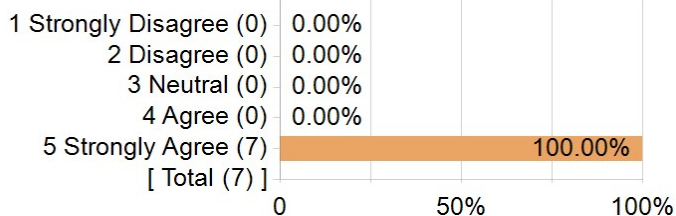| Statistics	Value
Response Count	7
Mean	4.86
Median	5.00
Mode	5
Standard Deviation	0.38
Population Standard Deviation	0.35
Standard Error (base on SD)	0.14
Standard Error (base on PSD)	0.13

5. Course objectives were met.

1 Strongly Disagree (0)	0.00%
2 Disagree (1)	14.29%
3 Neutral (0)	0.00%
4 Agree (1)	14.29%
5 Strongly Agree (5)	71.43%
[Total (7)]	

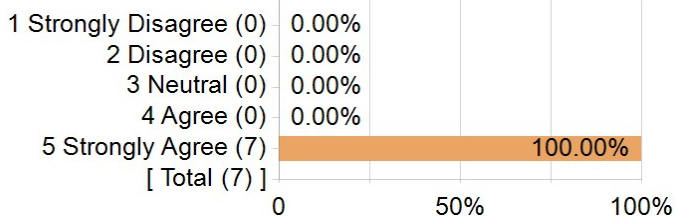| Statistics	Value
Response Count	7
Mean	4.43
Median	5.00
Mode	5
Standard Deviation	1.13
Population Standard Deviation	1.05
Standard Error (base on SD)	0.43
Standard Error (base on PSD)	0.40

Additional Questions

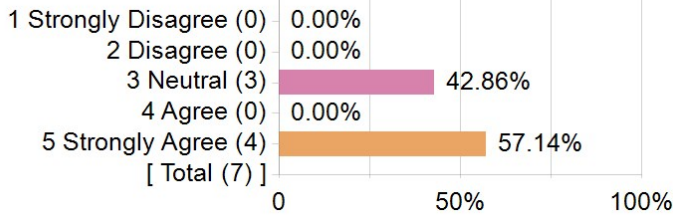| Competency Statistics	Value
Mean	4.60
Median	5.00
Mode	5
Standard Deviation	0.77
Standard Error (base on SD)	0.13
Population Standard Deviation	0.76
Standard Error (base on PSD)	0.13

1. Instructor encouraged participation.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (0)	0.00%
5 Strongly Agree (7)	100.00%
[Total (7)]	

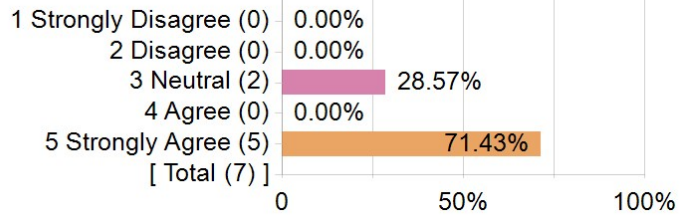| Statistics	Value
Response Count	7
Mean	5.00
Median	5.00
Mode	5
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

2. Instructor was respectful to students.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (0)	0.00%
4 Agree (0)	0.00%
5 Strongly Agree (7)	100.00%
[Total (7)]	

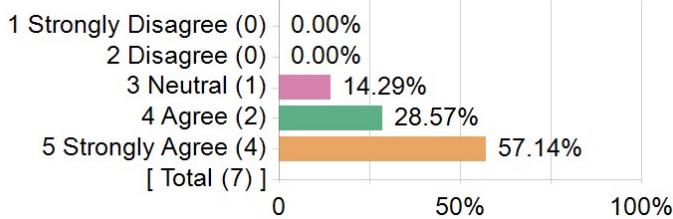| Statistics	Value
Response Count	7
Mean	5.00
Median	5.00
Mode	5
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

3. Examinations were a good test of my knowledge.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (3)	42.86%
4 Agree (0)	0.00%
5 Strongly Agree (4)	57.14%
[Total (7)]	

Statistics	Value
Response Count	7
Mean	4.14
Median	5.00
Mode	5
Standard Deviation	1.07
Population Standard Deviation	0.99
Standard Error (base on SD)	0.40
Standard Error (base on PSD)	0.37

4. Overall, considering its content, design and structure, this course was excellent.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (2)	28.57%
4 Agree (0)	0.00%
5 Strongly Agree (5)	71.43%
[Total (7)]	

Statistics	Value
Response Count	7
Mean	4.43
Median	5.00
Mode	5
Standard Deviation	0.98
Population Standard Deviation	0.90
Standard Error (base on SD)	0.37
Standard Error (base on PSD)	0.34

5. Instructor was an effective teacher.

1 Strongly Disagree (0)	0.00%
2 Disagree (0)	0.00%
3 Neutral (1)	14.29%
4 Agree (2)	28.57%
5 Strongly Agree (4)	57.14%
[Total (7)]	

Statistics	Value
Response Count	7
Mean	4.43
Median	5.00
Mode	5
Standard Deviation	0.79
Population Standard Deviation	0.73
Standard Error (base on SD)	0.30
Standard Error (base on PSD)	0.28

What do you consider to be the greatest STRENGTH of the INSTRUCTOR?

Comments
The instructor made us really understand the covered material.
The greatest strength of my instructor is his ability to inspire and empower students through effective communication, deep knowledge, and genuine passion for teaching.
He is knowledgeable about what he teaches in class. He respects his students even when you are wrong.
Dr. Mohlenkamp is super duper smart
he is very smart.
he is very patient and smart. he will let you things figure out yourself and it helps me learn more. he never criticize even when you dont have output for week and he goes in so much detail of work which most of people might just not able to notice.

What do you consider to be the greatest WEAKNESS of the INSTRUCTOR? Suggestions for improvement?

Comments
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None.
none
You can do the following One week – exploration next week – homework related to this course book and so on.
i didn't find any.

What do you consider to be the greatest STRENGTH of the COURSE (texts, content, etc.)?

Comments
It makes students understand well the covered material.
I like the fact that this course taught me how to find a mathematical paper and what to also look for in a paper.
The projects made me actually learn the content, not just skim and and learn what i need to for an exam.
I thought the final project was a fun assignment
content was really challenging and there are few topics which might be helpful in my research

What do you consider to be the greatest WEAKNESS of the COURSE? Suggestions for improvement?

Comments
Too little material covered.
None
Cocalc for reports/explorations was terrible. Its good for programming but it glitches and malfunctions so much when we have to write in text or markdown. I understand that having it all in cocalc is convenient but it was really bad.
I chose this course because I wanted to learn how to code with Python, unfortunately, I was wrong. I think the course should incorporate Python coding since students are expected to code.
The presentations over textbook material became tedious. Also some more homework/coding exercises would be nice
very theoratical