PhD pre-semester course, Fall 2023,
GSEFM Graduate School,
Linear Algebra and Matlab,
Goethe University Frankfurt

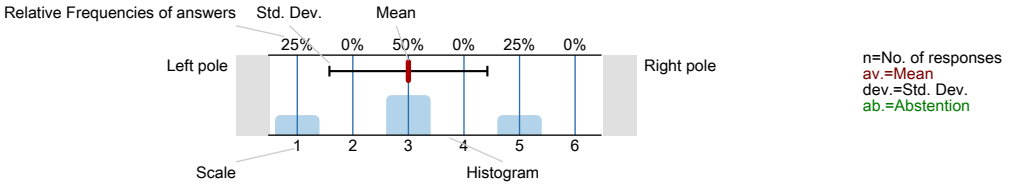
Johanna Saecker

Linear Algebra ()
No. of responses = 16

Survey Results

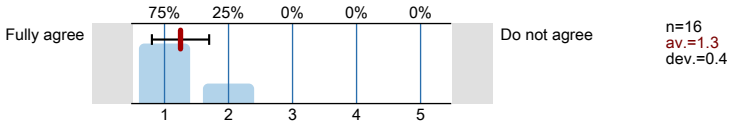
Legend

Question text

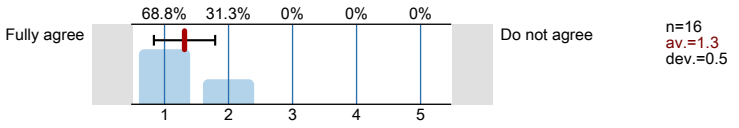


1. Learning progress

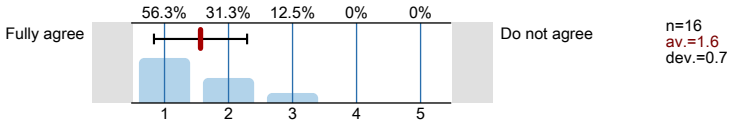
1.1) You understand the learning goals of this course.



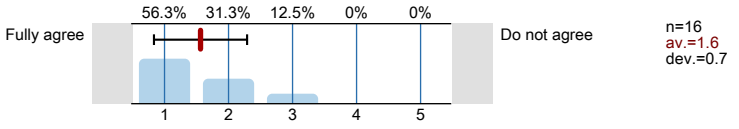
1.2) You have learned something which you consider valuable.



1.3) You find the course intellectually challenging and stimulating.

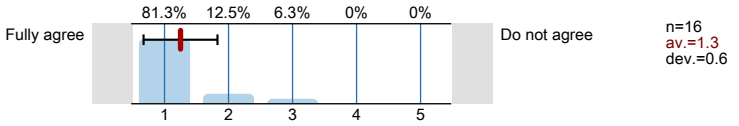


1.4) The instructor did a good job in linking linear algebra with computational linear algebra

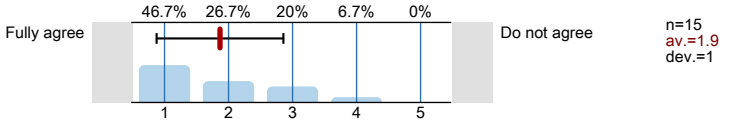


2. Instructor

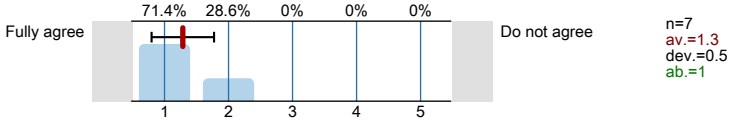
2.1) The instructor is enthusiastic about teaching the course.



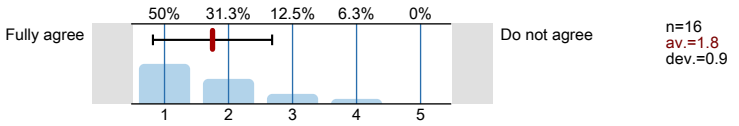
2.2) The instructor successfully showed the intuition/main idea behind the concepts



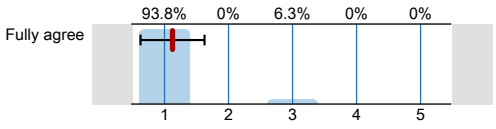
2.3) The instructor attempted to explain concepts several times and in different ways



2.4) The instructor's explanations are clear.



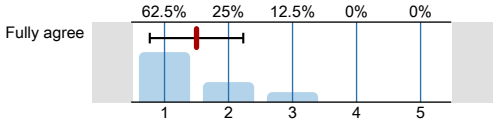
2.5) The instructor is friendly towards individual students.



n=16
av.=1.1
dev.=0.5

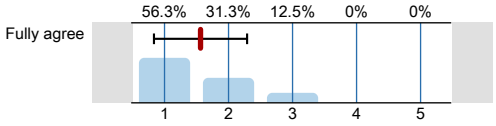
3. Course organization

3.1) The course content is well structured.



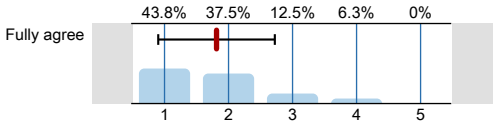
n=16
av.=1.5
dev.=0.7

3.2) The course material is well prepared and complete.



n=16
av.=1.6
dev.=0.7

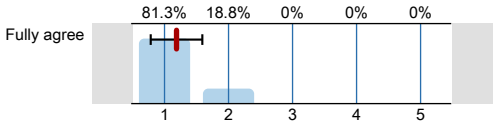
3.3) The pace of the course is appropriate.



n=16
av.=1.8
dev.=0.9

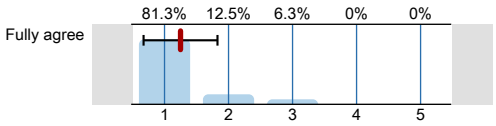
4. Course environment

4.1) Students are invited to share their ideas and knowledge.



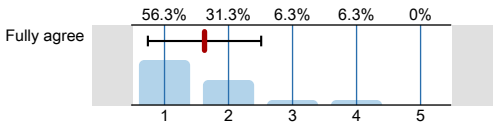
n=16
av.=1.2
dev.=0.4

4.2) Students are encouraged to ask questions.



n=16
av.=1.3
dev.=0.6

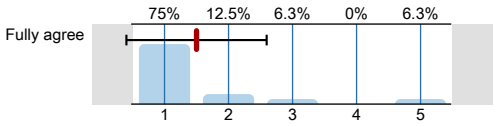
4.3) Student questions are answered appropriately.



n=16
av.=1.6
dev.=0.9

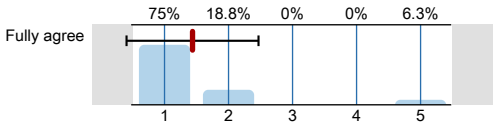
5. Pen & paper/morning exercises

5.1) The **pen & paper exercises** contribute to the understanding of the subject.



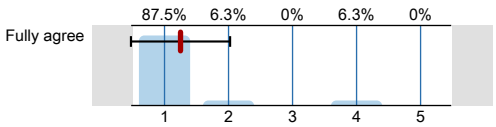
n=16
av.=1.5
dev.=1.1

5.2) It was helpful that there were a lot of pen & paper exercises provided for practising



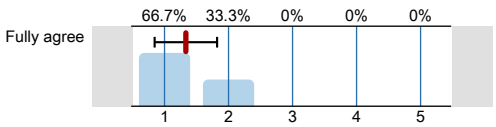
n=16
av.=1.4
dev.=1

5.3) I liked that I could choose to work on those pen & paper exercises that I would find most helpful for me



n=16
av.=1.3
dev.=0.8

5.5) All pen & paper exercises linked nicely to the material taught before



n=15
av.=1.3
dev.=0.5

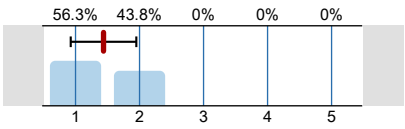
6. Matlab

6.1) Choose the most appropriate answer

n=16

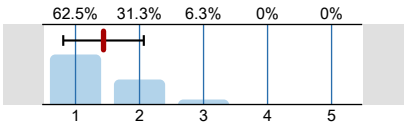
I had no/little experience with Matlab and I am now comfortable with building on the basics that I learned in this course	62.5%
I had no/little experience with Matlab and I am now as lost as before	0%
I had previous experience with Matlab and learned something new	43.8%
I had previous experience with Matlab and learning nothing new	0%

6.2) The **Matlab exercises** contribute to the understanding of the subject



n=16
av.=1.4
dev.=0.5

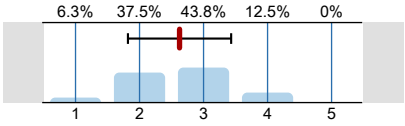
6.4) The Matlab exercises linked nicely to the material taught before



n=16
av.=1.4
dev.=0.6

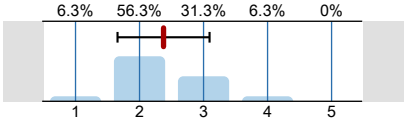
7. Workload

7.1) How do you rate the level of difficulty of the material.

Very high  Very Low

n=16
av.=2.6
dev.=0.8

7.2) How do you rate the workload of this course?

Very high  Very Low

n=16
av.=2.4
dev.=0.7

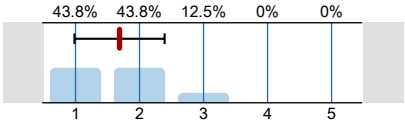
9. Overall questions

9.1) Why did you chose this course? (multiple answers possible)

n=16

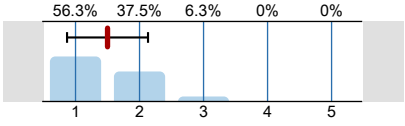
I am interested in the topic.	68.8%
The course is required for my program.	50%
I need the credit points.	0%
It was recommended to me	18.8%
The course is important for the career I want to choose.	31.3%

9.2) What grade do you give the course as a whole?

very good  poorly

n=16
av.=1.7
dev.=0.7

9.3) What grade do you give the teacher overall?

very good  poorly

n=16
av.=1.5
dev.=0.6

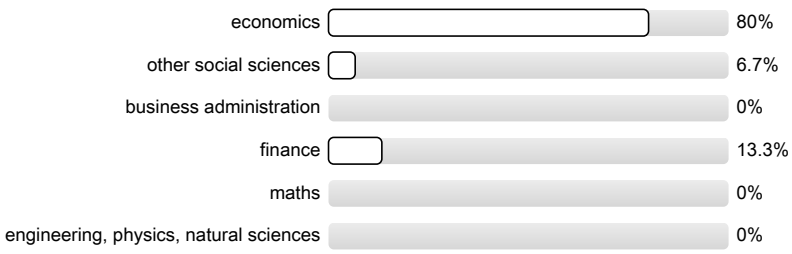
9.4) Would you take another course taught by this instructor?

n=16

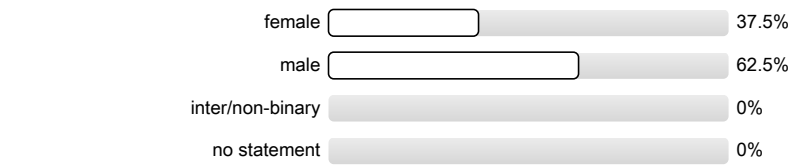
Yes	68.8%
Maybe	31.3%
No	0%

10. Demographic Information

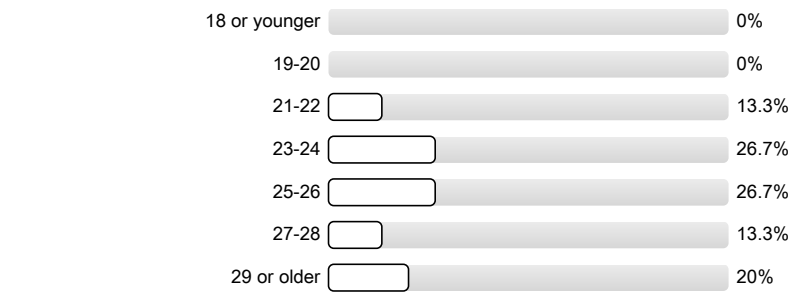
10.1) What was the predominant field of your previous studies?



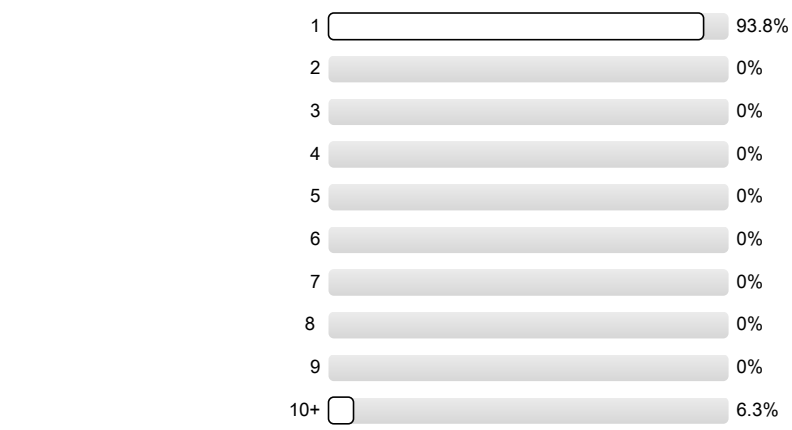
10.2) Gender



10.3) Age



10.4) Which semester are you in your current program?



Profile

Subunit: FB 02 Wirtschaftswissenschaften
Name of the instructor: Johanna Saecker
Name of the course: (Name of the survey) Linear Algebra

Values used in the profile line: Mean

1. Learning progress

1.1)	You understand the learning goals of this course.	Fully agree	Do not agree	n=16	av.=1.3	md=1.0	dev.=0.4
1.2)	You have learned something which you consider valuable.	Fully agree	Do not agree	n=16	av.=1.3	md=1.0	dev.=0.5
1.3)	You find the course intellectually challenging and stimulating.	Fully agree	Do not agree	n=16	av.=1.6	md=1.0	dev.=0.7
1.4)	The instructor did a good job in linking linear algebra with computational linear algebra	Fully agree	Do not agree	n=16	av.=1.6	md=1.0	dev.=0.7

2. Instructor

2.1)	The instructor is enthusiastic about teaching the course.	Fully agree	Do not agree	n=16	av.=1.3	md=1.0	dev.=0.6
2.2)	The instructor successfully showed the intuition/main idea behind the concepts	Fully agree	Do not agree	n=15	av.=1.9	md=2.0	dev.=1.0
2.3)	The instructor attempted to explain concepts several times and in different ways	Fully agree	Do not agree	n=7	av.=1.3	md=1.0	dev.=0.5
2.4)	The instructor's explanations are clear.	Fully agree	Do not agree	n=16	av.=1.8	md=1.5	dev.=0.9
2.5)	The instructor is friendly towards individual students.	Fully agree	Do not agree	n=16	av.=1.1	md=1.0	dev.=0.5

3. Course organization

3.1)	The course content is well structured.	Fully agree	Do not agree	n=16	av.=1.5	md=1.0	dev.=0.7
3.2)	The course material is well prepared and complete.	Fully agree	Do not agree	n=16	av.=1.6	md=1.0	dev.=0.7
3.3)	The pace of the course is appropriate.	Fully agree	Do not agree	n=16	av.=1.8	md=2.0	dev.=0.9

4. Course environment

4.1)	Students are invited to share their ideas and knowledge.	Fully agree	Do not agree	n=16	av.=1.2	md=1.0	dev.=0.4
4.2)	Students are encouraged to ask questions.	Fully agree	Do not agree	n=16	av.=1.3	md=1.0	dev.=0.6
4.3)	Student questions are answered appropriately.	Fully agree	Do not agree	n=16	av.=1.6	md=1.0	dev.=0.9

5. Pen & paper/morning exercises

5.1)	The **pen & paper exercises** contribute to the understanding of the subject.	Fully agree	Do not agree	n=16	av.=1.5	md=1.0	dev.=1.1
5.2)	It was helpful that there were a lot of pen & paper exercises provided for practising	Fully agree	Do not agree	n=16	av.=1.4	md=1.0	dev.=1.0
5.3)	I liked that I could choose to work on those pen & paper exercises that I would find most helpful for me	Fully agree	Do not agree	n=16	av.=1.3	md=1.0	dev.=0.8
5.5)	All pen & paper exercises linked nicely to the material taught before	Fully agree	Do not agree	n=15	av.=1.3	md=1.0	dev.=0.5

6. Matlab

6.2)	The **Matlab exercises** contribute to the understanding of the subject			n=16	av.=1.4	md=1.0	dev.=0.5
6.4)	The Matlab exercises linked nicely to the material taught before			n=16	av.=1.4	md=1.0	dev.=0.6

7. Workload

7.1)	How do you rate the level of difficulty of the material.	Very high	Very Low	n=16	av.=2.6	md=3.0	dev.=0.8
7.2)	How do you rate the workload of this course?	Very high	Very Low	n=16	av.=2.4	md=2.0	dev.=0.7

9. Overall questions

9.2)	What grade do you give the course as a whole?	very good	poorly	n=16	av.=1.7	md=2.0	dev.=0.7
9.3)	What grade do you give the teacher overall?	very good	poorly	n=16	av.=1.5	md=1.0	dev.=0.6