

MA2053 (Linear Algebra for Data Science, VT 2025, Halmstad, V3442)

Number of possible respondents: 45

Answers: 18

Response rate: 40,00 %

Study pace: 50 %

Examiner's course analysis

Based on the course evaluation result - which are the strengths of the course?

The highest evaluation score corresponds to social environment. From free text comments it also follows that the course contributes to conceptual understanding of ML algorithms. Discussions with teachers are experienced as fruitful and helpful.

Based on the course evaluation result - which are the weaknesses of the course?

Uff... According to the scores and free text answers the course takes too much time and exceeds 7.5hp. Too much content is considered as a reason for difficulties with understanding the core. A lot of text comments mention labs as time-consuming and too technical that also contributes to problems with time management. Several students wrote that the lab sessions were too few and too short.

Comments about the collaboration with the course ambassadors

Ambassadors are as always very helpful in organizing communication during the course and providing up-to-date feedback. Collaboration with them allowed to fix local issues immediately without waiting for the next round

Conclusion and suggestions for course development or already made decisions

We always try to accommodate students feedbacks. According to this year round the labs are still the main issue that can be (and will be) improved. They have been changed in comparison with last year and one of students taking the course for the 2nd time commented positively on the changes. We will continue in the same direction and try to optimize lab content as well as session activities. Lab introductions are going to be recorded together with being presented/commented on during lectures. Exercise sessions will be more "high school" manner with teacher answering particular questions when needed. However, the content will not be cut.

Other comments

The course is the core for all ML-methods and therefore differs from "standard" Linear Algebra courses for engineers. We aim to give fundamental basis for further development in ML. I do agree the course is difficult, also because it is the first math course in the program. We will discuss possible measures with program managers to provide better "starting" conditions to students. Some "entry" exercises and test might be considered to smoothify the introduction.

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	48
0 = I definitely do not agree	4	22%		
1	1	6%		
2	4	22%		
3	5	28%		
4	1	6%		
5 = I definitely agree	3	17%		
No opinion	0	0%		
Total	18	100%		

How much time have you spent on the course in relation to the course's study pace?

	Number of responses	Distribution (%)
Less time than the course study pace	2	11%
Corresponding to the course study pace	4	22%
More time than the course study pace	12	67%
Total	18	100%

The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.

	Number of responses	Distribution (%)
0 = I definitely do not agree	3	17%
1	3	17%
2	2	11%
3	7	39%
4	1	6%
5 = I definitely agree	2	11%
No opinion	0	0%
Total	18	100%

Index (%) The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.

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During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.

	Number of responses	Distribution (%)
0 = I definitely do not agree	3	17%
1	3	17%
2	4	22%
3	4	22%
4	2	11%
5 = I definitely agree	1	6%
No opinion	1	6%
Total	18	100%

Index (%) During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.

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I have experienced the social study environment as good during the course.

	Number of responses	Distribution (%)	Index (%) I have experienced the social study environment as good during the course.	
0 = I definitely do not agree	3	17%	68	
1	1	6%		
2	0	0%		
3	2	11%		
4	4	22%		
5 = I definitely agree	7	39%		
No opinion	1	6%		
Total	18	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	51
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