

DT8059 (Machine Learning for Predictive Maintenance, VT 2023, Ortsoberoende, 23557)

Number of possible respondents: 35

Answers: 9

Response rate: 25,71 %

Study pace: 33 %

Examiner's course analysis

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

Overall, the course evaluation has been quite positive. The course covers several important topics in the field of PdM and provided practical knowledge that allows students to apply techniques introduced in the course to solve real-world problems. In addition, the structure of the course is clear and well-organized.

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

The course material was not released early enough.
Communication on Blackboard (message & discussion forum) is difficult and not well-organized.
The labs and the project can include more datasets and state-of-the-art methods.

Comments about the collaboration with the course ambassadors

We did not have any course ambassadors

Conclusion and suggestions for course development or already made decisions

Based on the comments provided, the following changes will be implemented to improve the course:

The course material will be released the week before it is introduced;
Preferences of the communication method will be made clear at the beginning of the course, where direct communication via email is preferred over messages in Blackboard;
More datasets will be introduced as alternatives for the project;
More state-of-the-art methods, as well as more theoretical content, will be introduced;
A new guest lecturer will be invited to provide more diverse topics.

Other comments

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Gender

	Number of responses	Distribution (%)
Female	3	33%
Male	5	56%
Do not want to define	1	11%
Total	9	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	80
0 = I definitely do not agree	0	0%		
1	1	11%		
2	0	0%		
3	2	22%		
4	1	11%		
5 = I definitely agree	5	56%		
No opinion	0	0%		
Total	9	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	1	11%
Corresponding to the course study pace	5	56%
More time than the course study pace	3	33%
Total	9	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	0	0%
1	0	0%
2	2	22%
3	2	22%
4	1	11%
5 = I definitely agree	4	44%
No opinion	0	0%
Total	9	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.

76

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	0	0%
1	0	0%
2	0	0%
3	2	22%
4	2	22%
5 = I definitely agree	3	33%
No opinion	2	22%
Total	9	100%

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

83

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	0	0%	78	
1	0	0%		
2	1	11%		
3	2	22%		
4	2	22%		
5 = I definitely agree	3	33%		
No opinion	1	11%		
Total	9	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	79
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Is there any specific topic in predictive maintenance that you think should be expanded in the course? Or any predictive maintenance topic that you think was missing from the course?

Did the seminar sessions work well in your opinion? If not, do you have suggestions on how to organize them differently?

Did the course provide enough opportunities for collaborative discussions among students?