

DT8051 (Python - a Gateway to Machine Learning, HT 2024, Ortsoberoende, Halmstad, 13118, H3118, X3223)

Number of possible respondents: 111

Answers: 46

Response rate: 41,44 %

Study pace: 50 %

Examiner's course analysis

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

Course satisfaction index is 77% hence the students are satisfied in general. Despite the first year of the teacher teaching this course and the complete redesigning of the lectures, students are satisfied about:

- Hands-on exercises and practical projects.
- Clear and thorough explanations of Python, including libraries like NumPy and Pandas.
- Interactive and structured teaching, with supportive instructors.
- Application of Python concepts to real-world and machine learning tasks.

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

The course could be improved in the following areas:

- Assignments and Projects: Some feedback indicated unclear or ambiguous instructions and a need for better alignment with lecture content.
- Exam Logistics: Online students faced difficulties due to lack of suitable exam locations and inadequate support.
- Course Content: Recommendations included incorporating more machine learning topics and real-world case studies.
- Communication: Faster response times and clearer communication from the student support team were requested.
- Supervision and Interaction: Calls for more interactive lab supervision and opportunities for student engagement.

Comments about the collaboration with the course ambassadors

3 ambassadors volunteered and two meetings were held with them. The first meeting contained an introduction and feedback from the ambassadors were received to improve the course. The second meeting was around the end of the course and feedback and suggestions were received and used to design extra questions for the survey.

Conclusion and suggestions for course development or already made decisions

A big issue seems to be the poor communication about the exam for distance students. Next year there will be a clearer communication regarding the exam for distance students to fix this problem. Another issue is that the quality of the assignments could be improved. Next year this will be worked on to have clearer/better instructions in assignments.

Other comments

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Gender

	Number of responses	Distribution (%)
Female	25	54%
Male	20	43%
Do not want to define	1	2%
Total	46	100%

I am overall satisfied with the course.

	Number of responses	Distribution (%)	Index (%) I am overall satisfied with the course	75
0 = I definitely do not agree	1	2%		
1	6	13%		
2	2	4%		
3	5	11%		
4	12	26%		
5 = I definitely agree	19	41%		
No opinion	1	2%		
Total	46	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	6	13%
Corresponding to the course study pace	23	50%
More time than the course study pace	17	37%
Total	46	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 (%)	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.	77
0 = I definitely do not agree	2	4%		
1	2	4%		
2	2	4%		
3	6	13%		
4	13	28%		
5 = I definitely agree	18	39%		
No opinion	3	7%		
Total	46	100%		

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 (%)	Index (%) During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.	
0 = I definitely do not agree	3	7%	74	
1	2	4%		
2	2	4%		
3	6	13%		
4	9	20%		
5 = I definitely agree	16	35%		
No opinion	8	17%		
Total	46	100%		

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	2	4%	82	
1	2	4%		
2	0	0%		
3	3	7%		
4	11	24%		
5 = I definitely agree	22	48%		
No opinion	6	13%		
Total	46	100%		

Course satisfaction index

Satisfaction index % (summary of all statements)	77
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The lectures and programming examples were informative and easy to understand.

The lectures and programming examples were informative and easy to understand.	Number of responses	Distribution (%)
0 = I definitely do not agree	1	2%
	0	0%
	5	11%
	6	13%
	12	26%
5 = I definitely agree	22	48%
No opinion	0	0%
Total	46	100%

The exercise solving sessions helped me to learn better the concepts in this course.

The exercise solving sessions helped me to learn better the concepts in this course.	Number of responses	Distribution (%)
0 = I definitely do not agree	1	2%
	1	2%
	2	4%
	7	15%
	11	24%
5 = I definitely agree	21	46%
No opinion	3	7%
Total	46	100%

I would have liked more machine learning content in this course even if it would add to the workload.

I would have liked more machine learning content in this course even if it would add to the workload.	Number of responses	Distribution (%)
0 = I definitely do not agree	6	13%
	4	9%
	5	11%
	3	7%
	3	7%
5 = I definitely agree	21	46%
No opinion	4	9%
Total	46	100%

Which of the following choices would you agree as a change to this course's administration? (you can choose up to 3 options)

Which of the following choices would you agree as a change to this course's administration? (you can choose up to 3 options)	Number of responses	Distribution (%)
Earlier re-examination	20	43%
Earlier lab re-submission	20	43%
More engaging lab supervision	20	43%
Opportunity for online lab supervision (for non-distance students)	15	33%
Better course introduction	10	22%
Total	85	185%

Which of the following choices would you agree as a change to this course's content? (you can choose up to 3 options)

Which of the following choices would you agree as a change to this course's content? (you can choose up to 3 options)	Number of responses	Distribution (%)
Better lab assignments	14	30%
Better exercises	15	33%
Better examples	17	37%
More content related to linear algebra	14	30%
More content related to statistics	18	39%
Total	78	170%