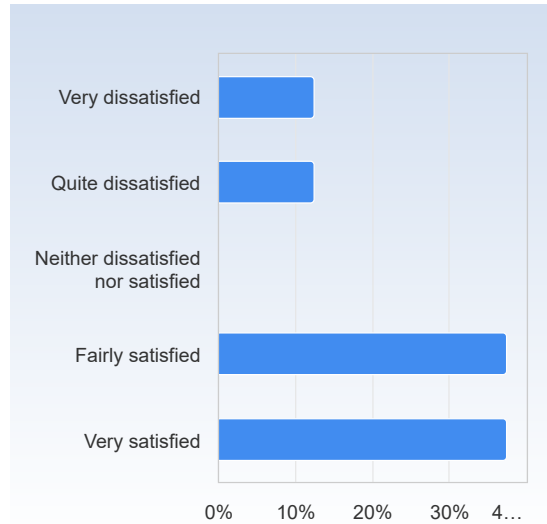


MNXB07 Data Literacy with Python

Respondents: 24
Answer Count: 8
Answer Frequency: 33.33%

How satisfied are you with the course overall?

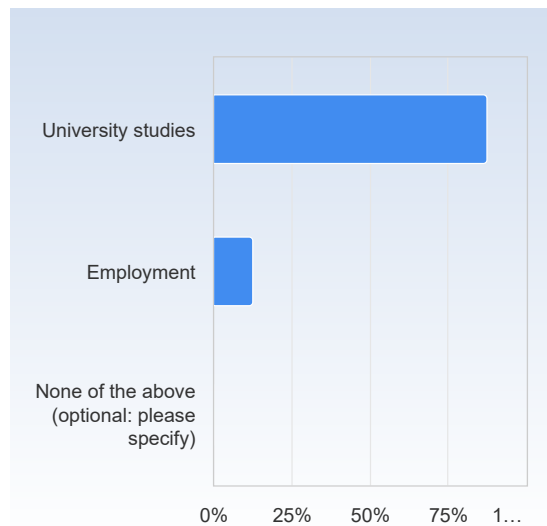
How satisfied are you with the course overall?	Number of responses
Very dissatisfied	1 (12.5%)
Quite dissatisfied	1 (12.5%)
Neither dissatisfied nor satisfied	0 (0.0%)
Fairly satisfied	3 (37.5%)
Very satisfied	3 (37.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
How satisfied are you with the course overall?	3.8	1.5

What has been your main occupation while taking this course?

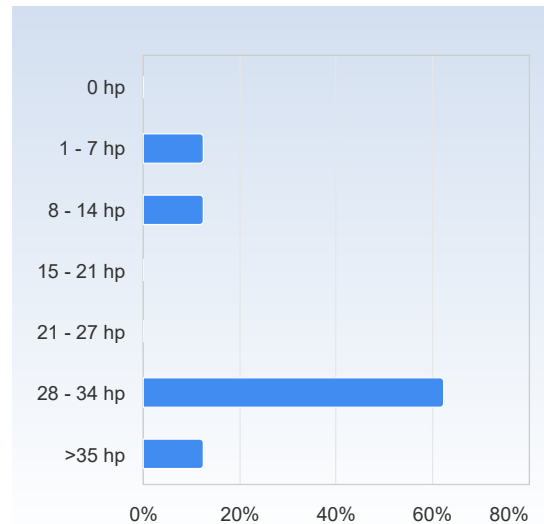
What has been your main occupation while taking this course?	Number of responses
University studies	7 (87.5%)
Employment	1 (12.5%)
None of the above (optional: please specify)	0 (0.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
What has been your main occupation while taking this course?	1.1	0.4

How many credits (hp) of other university courses are you taking this term? (Do not include this course. 30 hp = full-time studies)

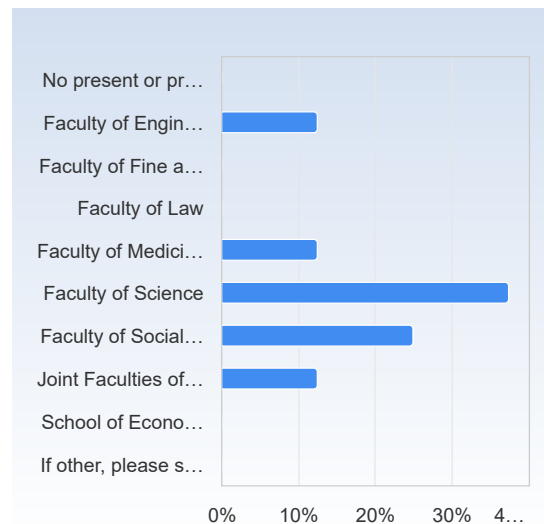
How many credits (hp) of other university courses are you taking this term? (Do not include this course. 30 hp = full-time studies)	Number of responses
0 hp	0 (0.0%)
1 - 7 hp	1 (12.5%)
8 - 14 hp	1 (12.5%)
15 - 21 hp	0 (0.0%)
21 - 27 hp	0 (0.0%)
28 - 34 hp	5 (62.5%)
>35 hp	1 (12.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
How many credits (hp) of other university courses are you taking this term? (Do not include this course. 30 hp = full-time studies)	4.2	1.8

In which faculty have you completed most of your university studies (including current studies)? Choose the best fitting alternative if there is no exact match.

In which faculty have you completed most of your university studies (including current studies)? Choose the best fitting alternative if there is no exact match.	Number of responses
No present or previous studies	0 (0.0%)
Faculty of Engineering	1 (12.5%)
Faculty of Fine and Performing Arts	0 (0.0%)
Faculty of Law	0 (0.0%)
Faculty of Medicine	1 (12.5%)
Faculty of Science	3 (37.5%)
Faculty of Social Sciences	2 (25.0%)
Joint Faculties of Humanities and Theology	1 (12.5%)
School of Economics and Management	0 (0.0%)
If other, please specify	0 (0.0%)
Total	8 (100.0%)

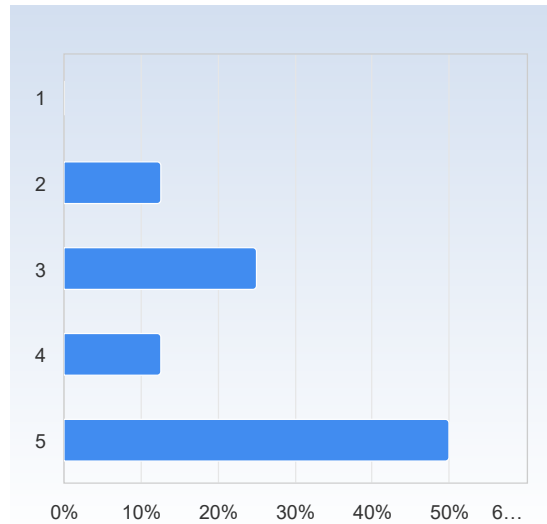


	Mean	Standard Deviation
In which faculty have you completed most of your university studies (including current studies) ? Choose the best fitting alternative if there is no exact match.	4.9	1.8

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

2. My prior knowledge has been sufficient to assimilate the contents of this course.

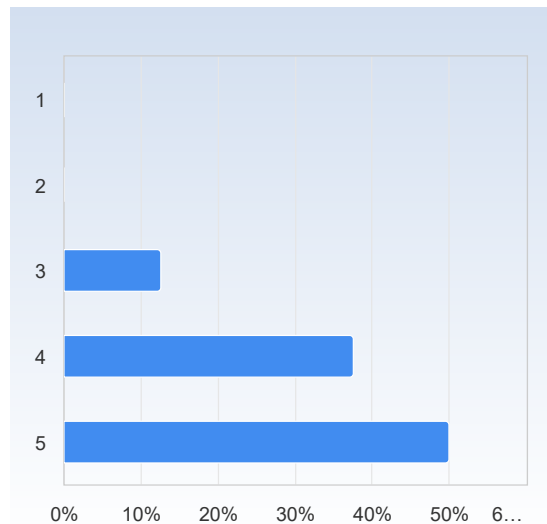
2. My prior knowledge has been sufficient to assimilate the contents of this course.	Number of responses
1	0 (0.0%)
2	1 (12.5%)
3	2 (25.0%)
4	1 (12.5%)
5	4 (50.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
2. My prior knowledge has been sufficient to assimilate the contents of this course.	4.0	1.2

3. I have participated actively in the course.

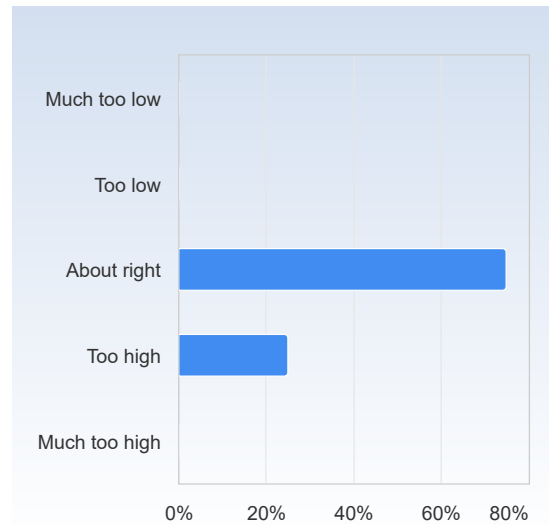
3. I have participated actively in the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (12.5%)
4	3 (37.5%)
5	4 (50.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
3. I have participated actively in the course.	4.4	0.7

How did you feel about the requirements on your work efforts during the course?

How did you feel about the requirements on your work efforts during the course?	Number of responses
Much too low	0 (0.0%)
Too low	0 (0.0%)
About right	6 (75.0%)
Too high	2 (25.0%)
Much too high	0 (0.0%)
Total	8 (100.0%)



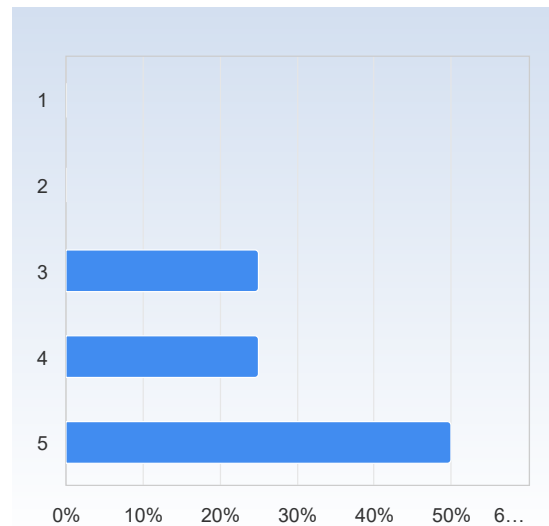
	Mean	Standard Deviation
How did you feel about the requirements on your work efforts during the course?	3.2	0.5

The course in general

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

The way the course was taught and organised suited me.

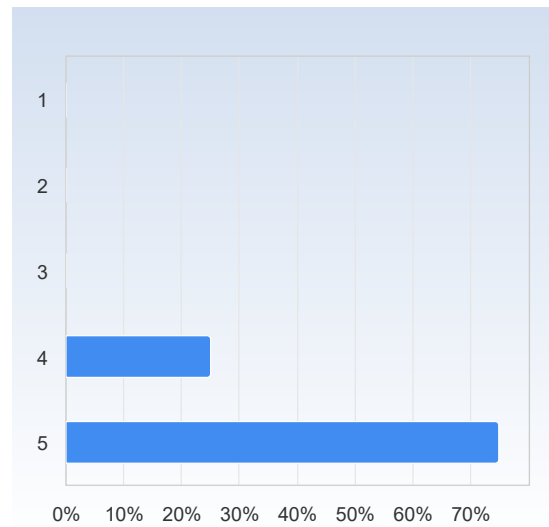
The way the course was taught and organised suited me.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (25.0%)
4	2 (25.0%)
5	4 (50.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The way the course was taught and organised suited me.	4.2	0.9

The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.

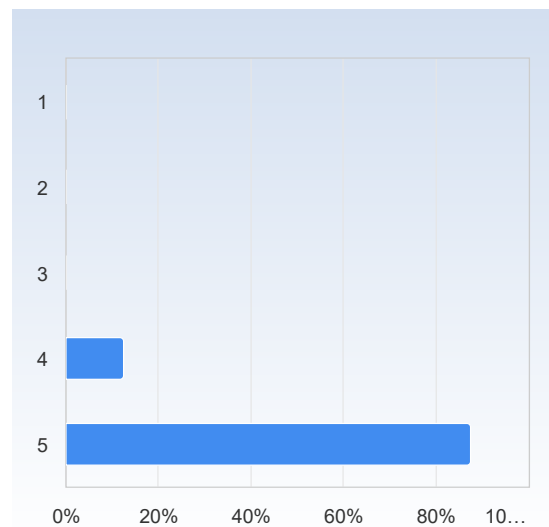
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (25.0%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	4.8	0.5

The teachers did a good job.

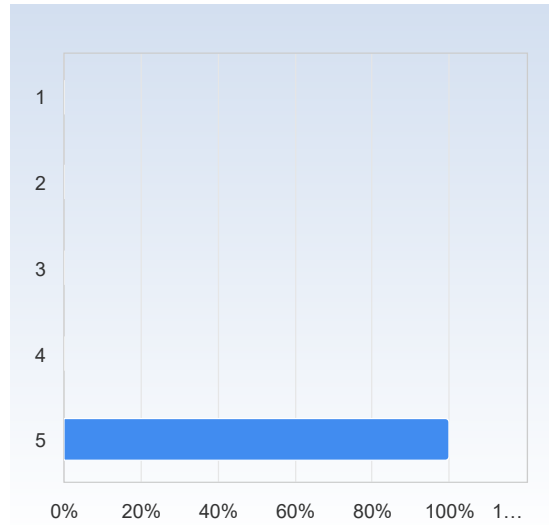
The teachers did a good job.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (12.5%)
5	7 (87.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
The teachers did a good job.	4.9	0.4

The video lectures were valuable for my learning.

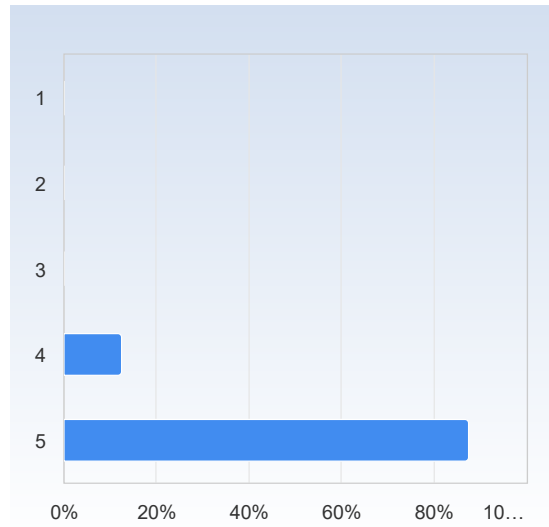
The video lectures were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	8 (100.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The video lectures were valuable for my learning.	5.0	0.0

The practical seminars were valuable for my learning.

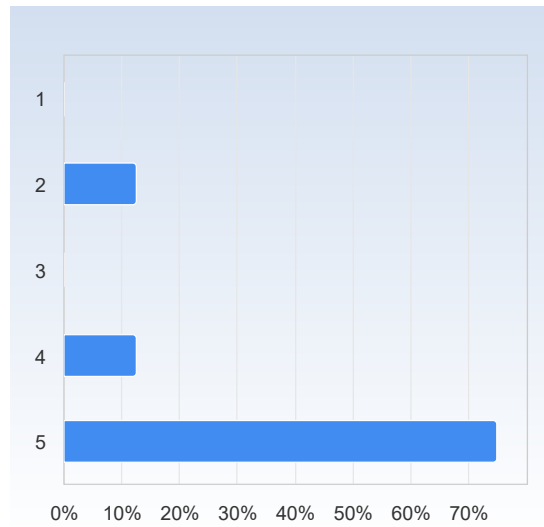
The practical seminars were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (12.5%)
5	7 (87.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
The practical seminars were valuable for my learning.	4.9	0.4

Pair programming was valueable for my learning.

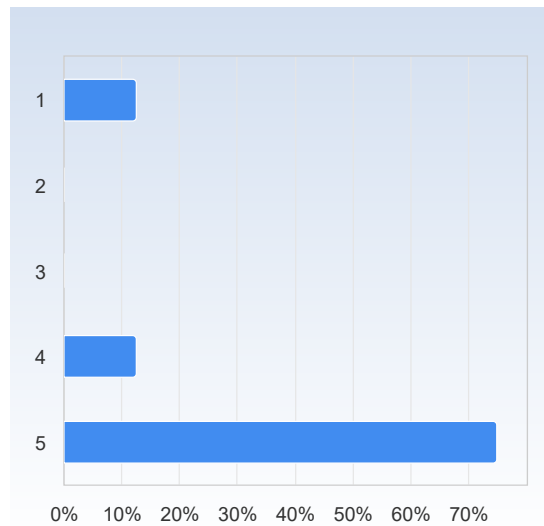
Pair programming was valueable for my learning.	Number of responses
1	0 (0.0%)
2	1 (12.5%)
3	0 (0.0%)
4	1 (12.5%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
Pair programming was valueable for my learning.	4.5	1.1

Pair programming was a positive experience.

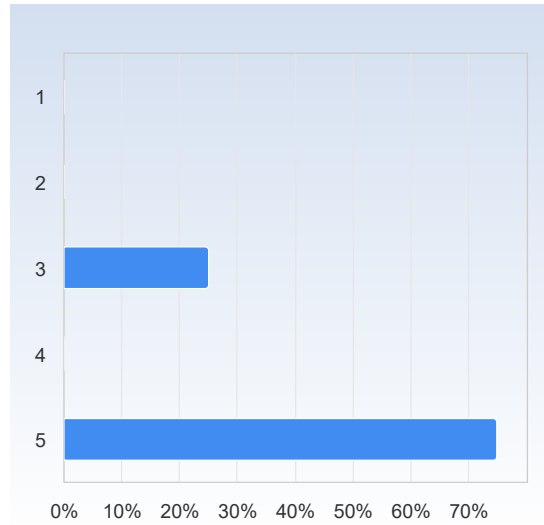
Pair programming was a positive experience.	Number of responses
1	1 (12.5%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (12.5%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
Pair programming was a positive experience.	4.4	1.4

The published practical solutions were valuable for my learning.

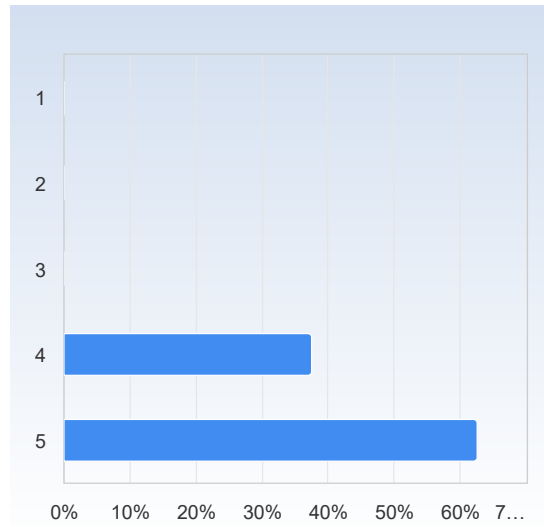
The published practical solutions were valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	2 (25.0%)
4	0 (0.0%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The published practical solutions were valuable for my learning.	4.5	0.9

Studying on my own was valuable for my learning.

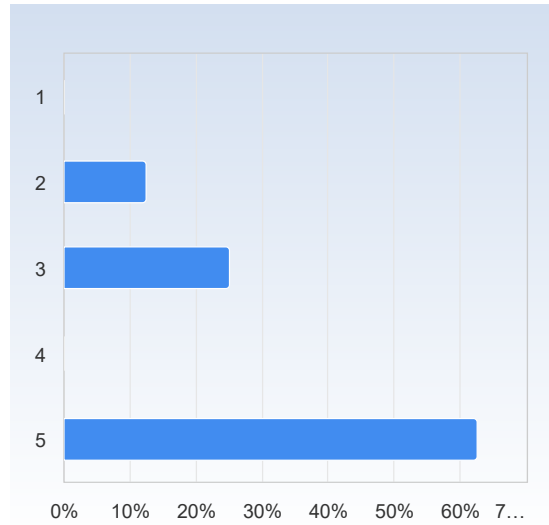
Studying on my own was valuable for my learning.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	3 (37.5%)
5	5 (62.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
Studying on my own was valuable for my learning.	4.6	0.5

The information I received before the course start was satisfactory.

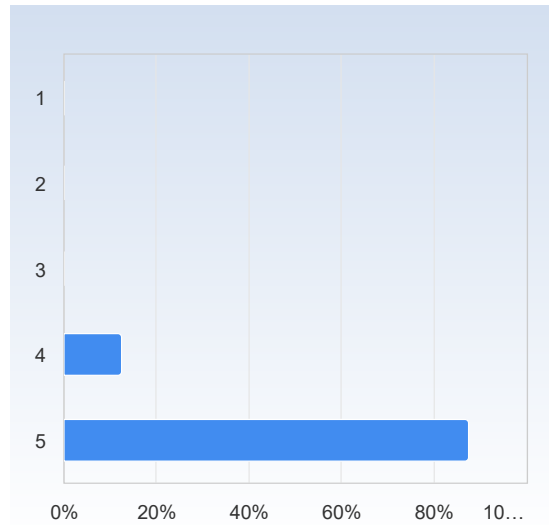
The information I received before the course start was satisfactory.	Number of responses
1	0 (0.0%)
2	1 (12.5%)
3	2 (25.0%)
4	0 (0.0%)
5	5 (62.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
The information I received before the course start was satisfactory.	4.1	1.2

The communication with the teaching staff during the course was good.

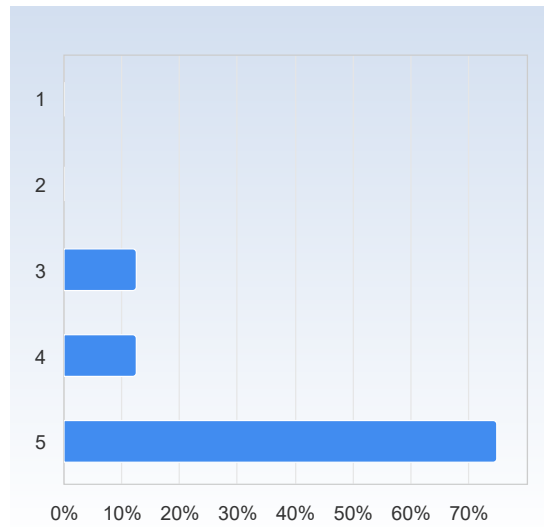
The communication with the teaching staff during the course was good.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (12.5%)
5	7 (87.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
The communication with the teaching staff during the course was good.	4.9	0.4

It was clear throughout the course what was expected of me.

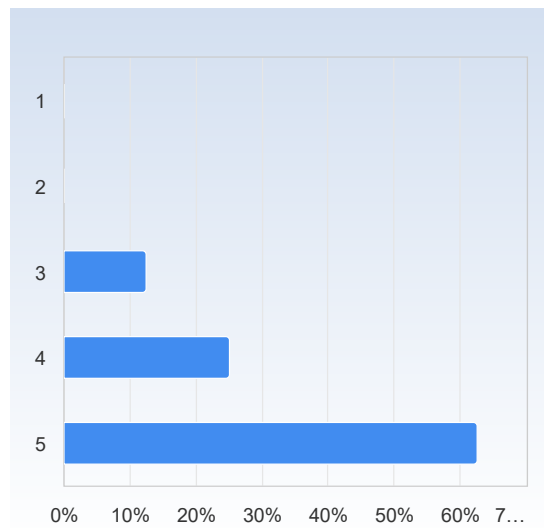
It was clear throughout the course what was expected of me.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (12.5%)
4	1 (12.5%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
It was clear throughout the course what was expected of me.	4.6	0.7

I have received valuable feedback from my teacher/teachers during the course.

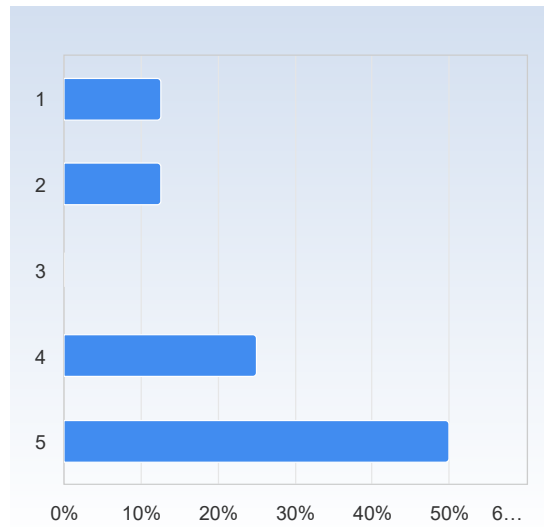
I have received valuable feedback from my teacher /teachers during the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	1 (12.5%)
4	2 (25.0%)
5	5 (62.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
I have received valuable feedback from my teacher/teachers during the course.	4.5	0.8

The course had a reasonable workload.

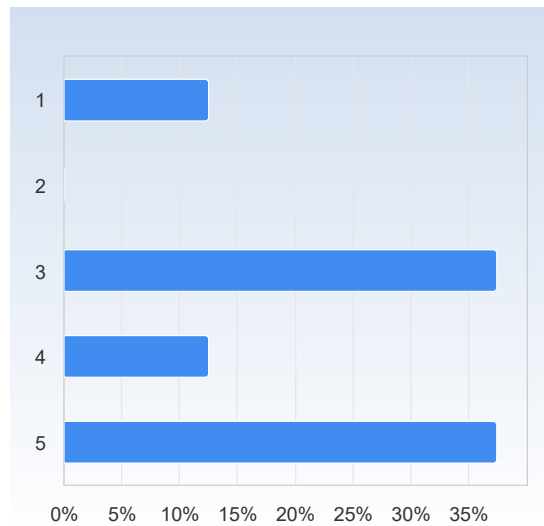
The course had a reasonable workload.	Number of responses
1	1 (12.5%)
2	1 (12.5%)
3	0 (0.0%)
4	2 (25.0%)
5	4 (50.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The course had a reasonable workload.	3.9	1.6

The workload was evenly distributed throughout the course.

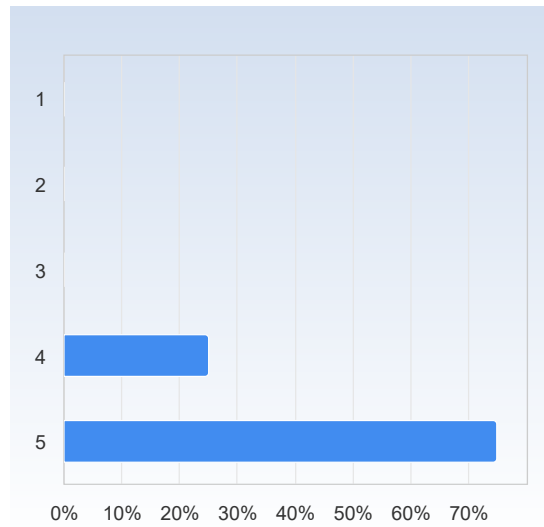
The workload was evenly distributed throughout the course.	Number of responses
1	1 (12.5%)
2	0 (0.0%)
3	3 (37.5%)
4	1 (12.5%)
5	3 (37.5%)
Total	8 (100.0%)



	Mean	Standard Deviation
The workload was evenly distributed throughout the course.	3.6	1.4

The examination matched the contents and level of the course.

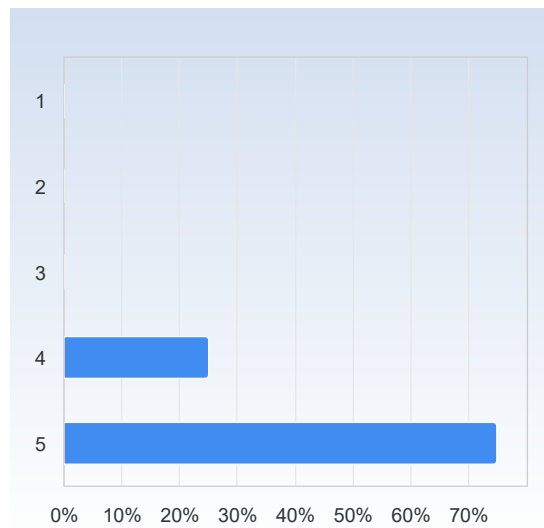
The examination matched the contents and level of the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (25.0%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
The examination matched the contents and level of the course.	4.8	0.5

Overall, I am satisfied with the course.

Overall, I am satisfied with the course.	Number of responses
1	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (25.0%)
5	6 (75.0%)
Total	8 (100.0%)



	Mean	Standard Deviation
Overall, I am satisfied with the course.	4.8	0.5

How effective was the course design (e.g. video lectures, manuscripts, practical sessions, published solutions, Canvas pages), and how can it be improved?

How effective was the course design (e.g. video lectures, manuscripts, practical sessions, published solutions, Canvas pages), and how can it be improved?

The course design fitted me perfectly! I have no complaints about the course structure, except for the pace of the course, which should be half the pace over a longer period in my opinion. The fast pace meant that I had no time to practice on my own (except watching video lectures). Having two practicals per week also made it hard to attend all of them, having one a week would have made it easier to attend all of them. Now I attended half of the practicals and did not have time to do the practicals on my own at home. In conclusion, slow down the pace.

The online material was great. My only issue was that each practical session had very short scheduled time. The pair programming also made each task take so much longer which made it very difficult to finish more than a few tasks per 2-hour session. I think maybe a better way would be to have some larger, more open (even more open than the tasks in the assignment) tasks, that you could do with pair-programming (if you have to keep that) during longer, 4-hour sessions. Then you could do smaller practicals at home or in 'lab' sessions with e.g. just one supervisor present, just more independently and where you could chose if you wanted to work in pairs or independently.

The videos were just the right length and very much to the point. It was extremely useful that the videos were accompanied by manuscripts so that it was easy to go back and check the code examples and reread the instructions and the information.

The practical sessions were key to understanding the course content and it was very helpful to be "forced" to participate at least three times. Not only the hands-on aspect but also the discussion with the other students and teachers helped to take in all the new information given in the videos.

Good

I liked everything. The first week was busy due to having to set up everything and learn a lot of the basics, but it's not necessarily a bad thing.

The course design including self-learning, teacher lead activities, video lectures, and so on were very effective and nicely organized. However, my only critique is that the time frame was too short for all the course content. It would have been better, if the students would have had more time to study and complete the tasks at home.

The structure with video lectures/preps including manuscripts, and then practicals worked very well and in particular for student like me who takes the course on spare time in parallel with a regular full time work. The navigation in canvas between video lectures could be improved (now requires a lot of clicking and for me there was some problem with size of the video window). Overall, the navigation in the course material could possibly be simplified, as the content now seems published in parallel structures (Canvas and a course website). The other students I met was overall very engaged and helpful. TYhe peer reviews worked very well with high quality feedback.

What are your thoughts on the pair-programming approach used in practical sessions? Do you have any suggestions for improvement?

What are your thoughts on the pair-programming approach used in practical sessions? Do you have any suggestions for improvement?

It was a fun concept, and it was a nice way to get to talk to the different people in the course without having to reach out on our own.

It also helped to get someone else's perspective on how to solve problems.

It's nice to work with other people instead of alone. It makes me more engaged and motivated

It worked very well and the individuals I randomly pair up with was helpful and fun to work with. This extra social interaction was particularly valuable since the course otherwise is remote with no direct interactions. Unfortunately, I could only join the minimum three practicals because of conflicts with other engagements, and much would have liked to attend all. This was on me and I cannot really see how it could be setup better.

The pair-programming was nice. First, because I got to know other students of the course and second because I could learn from others, or we could figure out issues together. That made the coding together very efficient. No suggestions for improvement.

I did not really like it. I have done pair programming before in a pure programming course and there I did not mind it. I think my issue here was that in this course, the practicals were split into many short tasks that was mostly just about following instructions. I would have preferred to just do those myself, and I think pair programming suits better for problem solving, e.g. larger tasks that are not very straight forward, where you benefit a lot by discussing how the solution should be designed.

I was skeptical about the practicals and the pair programming but they turned out to be the highlight of the course. I was nervous that everyone would be math and programming geniuses so I was pleasantly surprised to find out that the group was quite diverse and that we were all new to the task. The atmosphere in the practicals was really good with open-minded and friendly teachers/aides and a lot of concentration in the pairs programming together. Getting this opportunity to practice what we had seen in the videos made a huge difference to getting used to working in JupyterLab and learning how to code. The fact that the teachers helped divide the group into pairs was much appreciated for someone like me who didn't know any of the other students.

Good

What did you appreciate most with the course? List 1-3 key points.

What did you appreciate most with the course? List 1-3 key points.

I liked the video lectures and the challenges, I liked the seminars where we worked together.

Online material and the teacher involvement was good.

Great videos and code along, nice examples

- code along format - to get actual examples, applications and challenges along with the lectures
- practicals - getting to talk to other students and help each other with problems
- competent and nice lecturers and practical supervisors who were good at explaining and teaching new skills, seminars, video lectures

The combination of video lectures with prep exercises and practicals worked very well.

The video lectures are really good and the manuscripts very valuable as reference.

The focus on working with practical problems on real data was good, and I feel I have gained a very useful new skillset.

It was in the right order, the next lesson built on the lessons prior

The logical structure of the course where each module built on the previous one.

Easy access to video manuscripts, exercises and solutions.

Pair programming.

What do you think should be improved? List 1-3 key points.

What do you think should be improved? List 1-3 key points.

Maybe more background info

- the pace - make it 25% over the whole course period.

A lower study pace if most students take it as an extra course

time frame/ schedule

I can't think of anything I disliked

The schedule was very tight and we had to learn a lot in a short time. Maybe it would be better to spread the course out over two months.

The online navigation of course material could be simplified (videos, and single structure).

It was a bit awkward that you had to work in pairs, but then you had to kind of find a new partner yourself each practical. I think is better if the teachers clearly assign the groups, otherwise it should also be okay to work by yourself.

What motivated you to take this course, and how did you learn about it?

What motivated you to take this course, and how did you learn about it?

X courses list, to learn more about data and programming

I want to improve and expand my knowledge regarding data analysis, therefore I looked up courses I could take. Then I found the x-course offer of the university, including the python course.

I am studying physical geography where we work a lot with data and I have been jealous of my friends who can code and whip up a nice graph or table while I am struggling in excel... I also took a Python basics course last semester and really liked it. I got an email from LU/my institution about the new concept with x-courses and looked through what was available and found this course.

I think data handling and presentation is an important skill and more and more people are starting to use Python for it. I have used Excel and SPSS before but it is nice to use something that is not proprietary.

The university was advertising X courses a lot in Spring in Canvas, so I learned it there. I took this course since it was of an introductory level and focused on data analysis. I wanted more experience with this kind of tasks, which might be helpful for future employment.

I am very interested in building up good Python skills so I searched the university website for Python courses and found the course there.

I have a background with scientific Python scripting and oldschool LaTeX authoring and wanted to expand my skillset into data analysis and presentation. This course was perfect.

X courses on the university's website. Wanted to branch out to programming

Would you recommend this course to others? Why or why not?

Would you recommend this course to others? Why or why not?

Yes I would, should be useful in future work places

Yes. It was a very accessible and useful course.

Yes, definitely. The data visualization skills acquired in this course may be useful in almost any course. The code can be reused and tweaked for lot of different data sets much easier than in Excel.

Yes, because it is a good alternative to Excel and SPSS.

I would definitely recommend the course, because I feel like I gained a lot of very useful skills for data analysis.

I would definitely recommend the course! If the pace does not change, I would warn them that it is intense and everything might not have time to sing in properly but I still learnt a lot.

Yes, it effectively provides a solid foundation for data analysis and presentation scripting in Python, of a form that should be useful across many disciplines.

Have you during this course experienced course materials, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?

Have you during this course experienced course materials, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?

No

No.

No

No

No

no

no

Is there anything else you would like to add about your experience with this course?

Is there anything else you would like to add about your experience with this course?

No. Thank you

Thanks for a great course. I have really enjoyed the videos and the practicals and have learned a lot in a very short time.

I wish there were more courses available on this flexible format also with other topics, that can be taken in parallel with other studies or work. It really worked well.

No

I really enjoyed the course, it was exactly what I was looking for, so thank you for that. It is just a bit much material to cover in so little time.