PUBLISHED COURSE ANALYSIS

A course analysis has been carried out and published by the course convener.

The Karlstad University evaluation tool is owned by the Professional Development Unit and is managed by the systems group for educational administration.

Applied Machine Learning, 7.5 ETCS cr. (DVGC27)
Course convener: Matthias Beckerle

Basic LADOK data

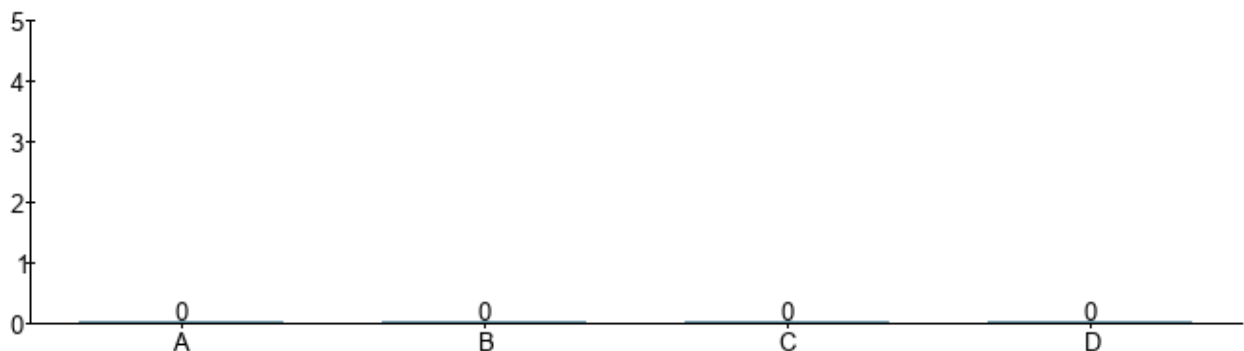|	
Course Code:	DVGC27
Application Code:	36605
Semester:	HT-20
Start Week:	202046
End Week:	202102
Pace of Study:	50%
Form of Study:	Campus

Course Data

Number of questionnaires answered: 0

Number of first registrations[1]:   31

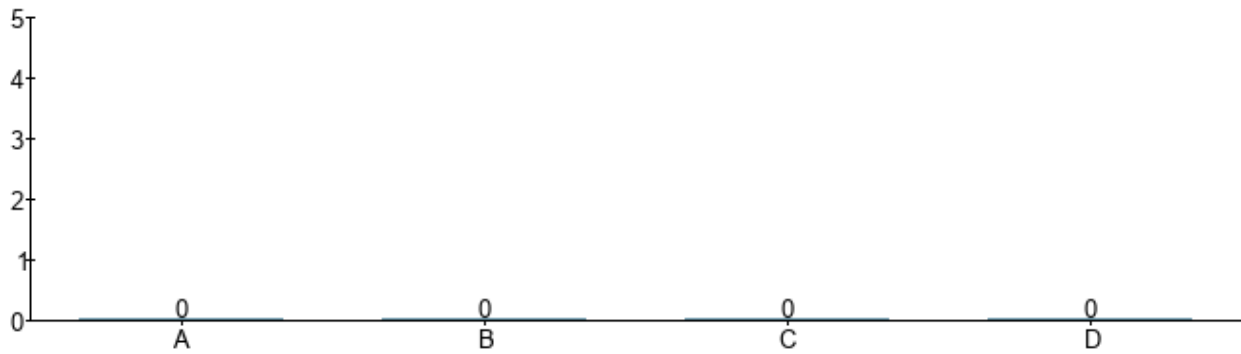**Changes suggested in the course analysis of the previous course date:**
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1. The contents and structure of the course has supported the achievement of the learning outcomes
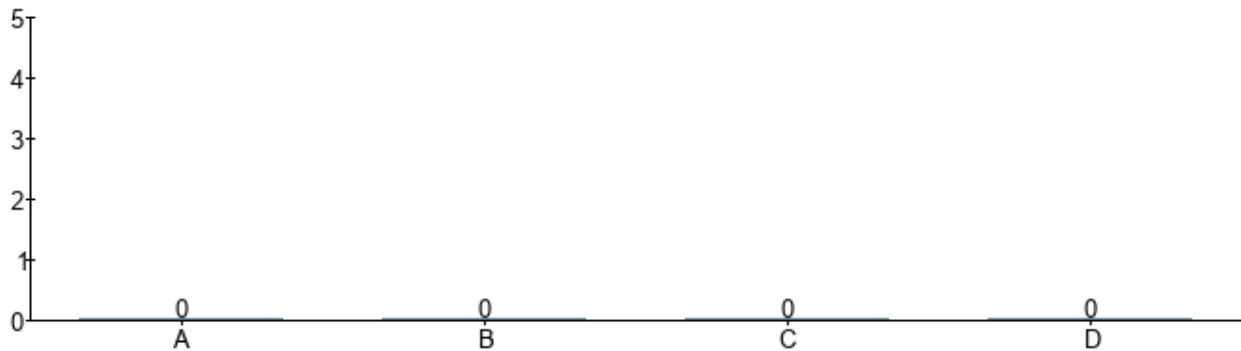

A) To a very large extent
B) To a large extent
C) To some extent
D) To a little extent or not at all

2.The assessments included in the course have given me the opportunity to demonstrate my achievement of the learning outcomes
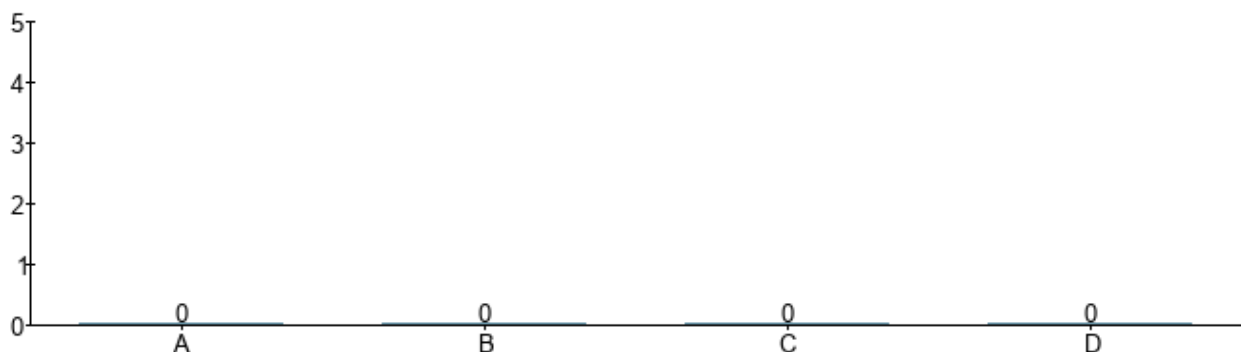

A) To a very large extent
B) To a large extent
C) To some extent
D) To a little extent or not at all

3. My workload (including scheduled activities and independent work) during the course has been

A) 40 hours per week or more (or 20 per week or more for courses given as half-time studies, 10 hours or more for cour
B) Between 30 and 39 hours per week (or between 15 and 19 hours for courses given as half-time studies, or between 8
C) Between 20 and 29 hours per week (or between 10 and 14 hours for courses given as half-time studies, or between 5
D) Less than 20 hours per week (or less than 10 hours per week for courses given as half-time studies, or less than 5 h

4. During the course, I have experienced the reception from teachers and other staff as professional

A) To a very large extent
B) To a large extent
C) To some extent
D) To a little extent or not at all

Analysis based on course evaluation, including comments fields. If information has been collected in other ways, it should also be analysed here. Any effect of joint courses should be commented

on.

Unfortunately, there was an administrative error out of my control regarding the course language, which apparently prevented students from answering here.

However, I collected anonymous statistical data while the course was running to adapt my style and pace to the student?s needs. I collected statistical information (Likert scale of level of understanding regarding different course topics, the amount of content, the amount of invested hours by the students, ?) and qualitative information (for questions and feedback). Most students participated in this self-evaluation and students appreciated being heard.

These additional results showed that most students thought that the speed and content of the course was about right while following a normal distribution. Levels of understanding improved throughout the course as expected. Some students personally thanked me for the course and voiced that they enjoyed the content. The lab exercises were passed by all students which attended the lectures. Some students had to resend corrected answers but that is part of the learning process.

The results of the exam were satisfactory and were slightly better than my expectation. It showed that students were engaged and understood the content quite well. Out of the 28 students that participated in the exam, the results were in average between 3 and 4 points while 2 students did not pass and 3 Students got the best possible grade.

Suggestions for changes to the next course date.

Overall, I believe the course was a success. However, there are always ways to improve.

The workload for me was exceptional. Since, it was the first time the course was given and considering the Covid-19 crisis that was expected and I am sure it will be less workload in future iterations.

I see possible improvements in regard to the course material. There are always ways to make the material more coherent and consistent. Since Machine Learning and especially Deep Learning is such a fast-developing field of science, adjustments will be needed.

While I think the labs worked the way they were supposed to, it would be interesting to find more engaging scenarios were machine learning could be applied and use these in the labs. Interactions with other courses would be an interesting approach to that. However, all that must be balanced with the workload and available time.

If we continue the course as an online version, better technical equipment like a better microphone could improve the overall experience.

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1. **Number of first registrations for a course:** First registration = the first time a student registers for a specific course.