

Course report Faculty of Technology and Society

This course report is based on student feedback and submitted course evaluations, exam results and the teacher's idea for further development. The course report is published on the course website and Canvas-site.

Course name	Data and society
Course code	DA630E
Semester	HT2025
Number of registered students	41
Course coordinator	Fabian Lorig

<input checked="" type="checkbox"/>	Course report is published on Canvas-site
<input checked="" type="checkbox"/>	Course report is published on course webpage

Compulsory course evaluation

Number of responses to the compulsory course evaluation	8
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The compulsory course evaluation has been conducted through:

<input type="checkbox"/>	Standard template via Reflex
<input checked="" type="checkbox"/>	Extended standard template with <i>own questions</i> via Reflex
<input type="checkbox"/>	Own evaluation method by the course coordinator

If own evaluation method was conducted, describe how:

In addition to the standard template, we decided to add questions specific to the different study forms used in the course (i.e., lectures, seminars, labs, project work, self-study, group work, presentations). Our goal was to better understand what study forms work well for the students and if some forms should occur more often or should be reduced. Also, we added a section with questions dedicated to the use of the KNIME framework. Questions included whether it was easy to get started with KNIME, if data analysis workflows become easier to understand when using this tool, if student perceive the use of KNIME as an additional excessive effort unrelated to the learning of the course content, and if they consider the learned skills to be useful. Finally, the different assignments were evaluated regarding the overall experience with the assignment as well as how it contributed to the students' learning.

Additional evaluations that were conducted during the course

Separate survey
Oral evaluation in class
Oral evaluation in smaller groups
Other evaluation method
Not applicable

Comments on the course evaluations

Overall, the course evaluation was very positive. Students report a high degree of achievement of the course's ILOs, with mean values for the different goals between 4.4 and 4.8 of 5 possible points, where 5 is the highest. The course's work models and learning activities are also perceived as supportive in the individual learning experience (avg. 8.8 of 10 points). The combination of different learning forms (lectures, labs, seminars, presentations, and self-study) was perceived as well-aligned and the students appreciated the structure that assignments build on each other as well as the opportunity to revise the submissions based on the feedback provided during the in-class presentations.

The course has met most of the student's expectations (mean 8.5 of 10), with one exception where only 3 points were given, but from the comments to the questions, we cannot understand why this score was given.

The workload for the different study forms was perceived as balanced. Some students noted a slight time pressure for Assignment 2 and Seminar 3, which was attributed to an exam in another course.

The use of KNIME received a mixed feedback. While some students think KNIME is very helpful in understanding analysis workflows, others don't agree. Also, the efforts for getting started and working with KNIME were perceived differently. Still, the learned skills are perceived as being transferable to other data science tools.

The assignments and examination was assessed as to give the students good opportunities to demonstrate the achievement of ILOs and they describe the assignments as relevant and interesting and the workload as reasonable. Particularly the poster presentations for the final project were perceived as very positive.

Examination results

<input checked="" type="checkbox"/>	Examination results are as expected
	Examination results are not as expected

Recommendations and priorities for the course development

- Investigate the use of another data science tool instead of KNIME
- Support students that have difficulties in getting started with or using KNIME during the course
- Aligning assignment submissions with other courses where possible