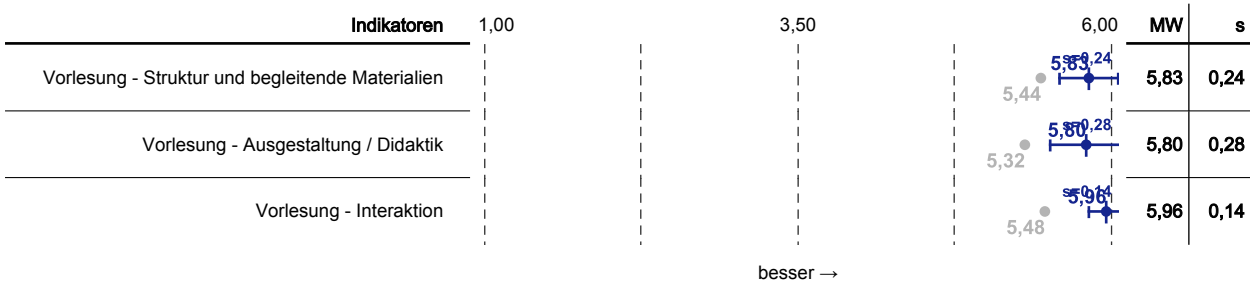


# Auswertung zur Veranstaltung Spezielle Themen der Mathematik (M39): 4-Manifolds and Kirby calculus

Liebe Dozentin, lieber Dozent,  
 anbei erhalten Sie die Ergebnisse der Evaluation Ihrer Lehrveranstaltung.  
 Zu dieser Veranstaltung wurden 13 Bewertungen abgegeben.  
 Bitte beachten Sie, dass die Vergleichsgruppe, aus welcher die Vergleichswerte ermittelt werden, in Ihrem Fall aus allen Veranstaltungen des Typs VL+UE-EN besteht.  
 Erläuterungen zu den Diagrammen befinden sich am Ende dieses Dokuments.  
 Mit freundlichen Grüßen,  
 Das Evaluationsteam

## Indikatoren



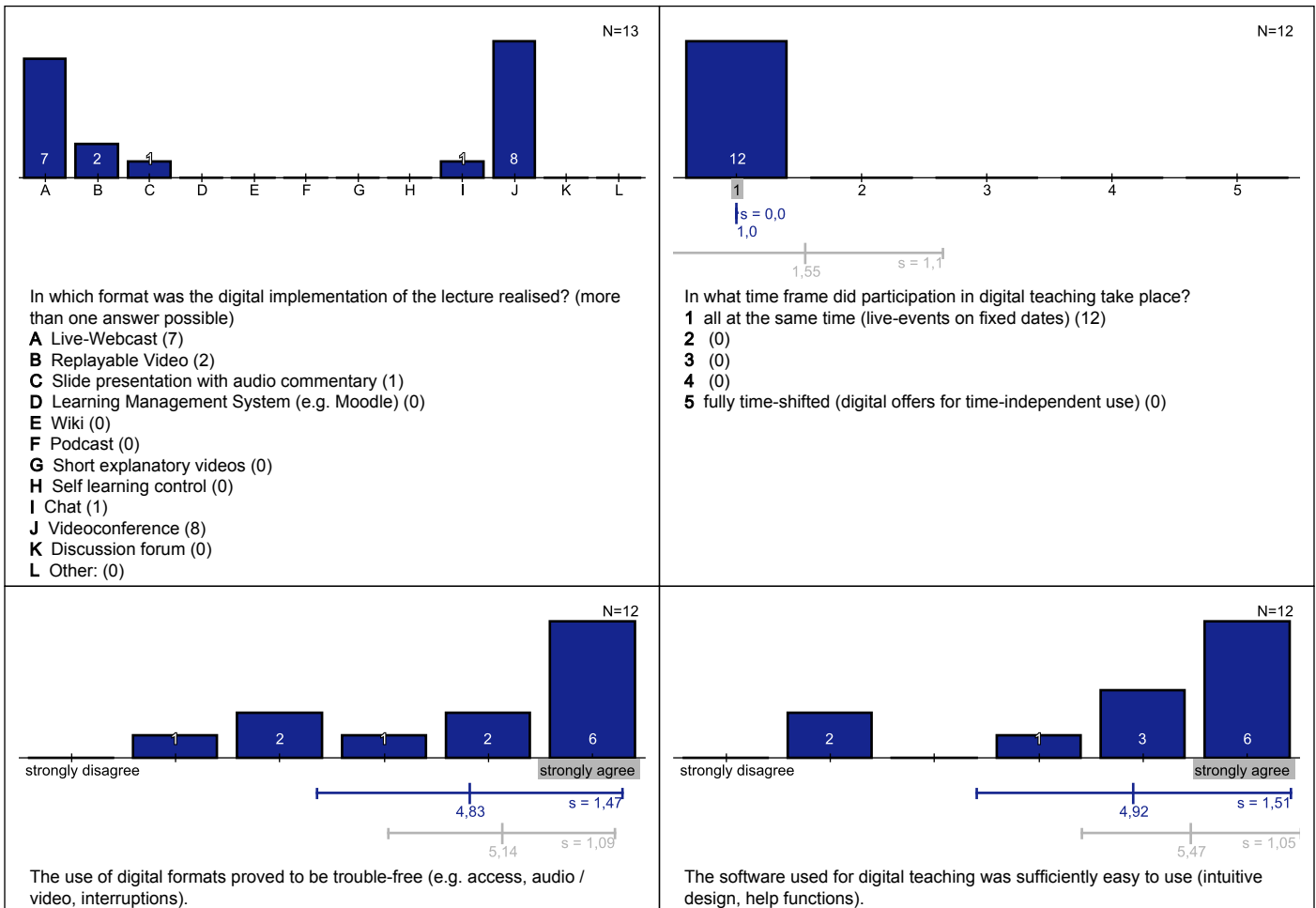
Alle Antworten auf Fragen, die zu ein und demselben Frageblock (z. B.: Ausgestaltung / Didaktik oder Interaktion) gehören, werden zu einem Indikator aggregiert. Anhand dieses Werts können Sie schnell ablesen, ob der jeweilige Aspekt gut oder schlecht bewertet wurde.

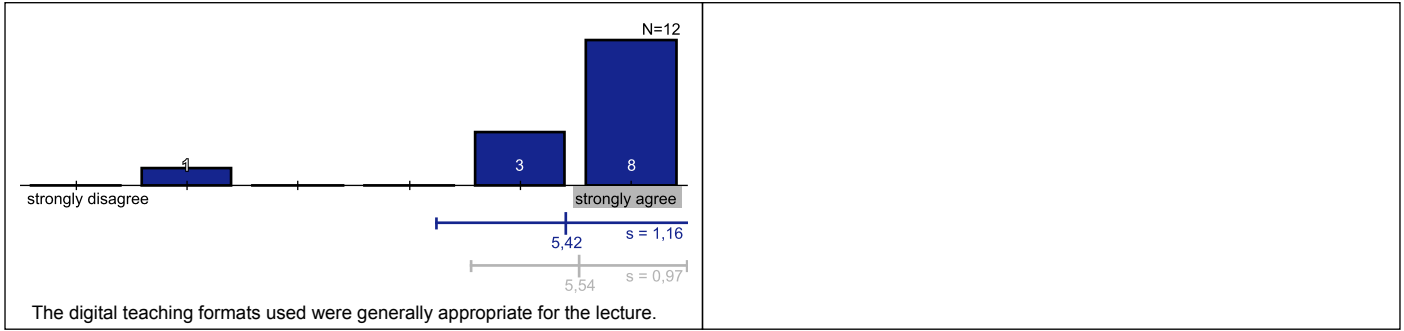
## Einzelfragen

### Lecture and Tutorial

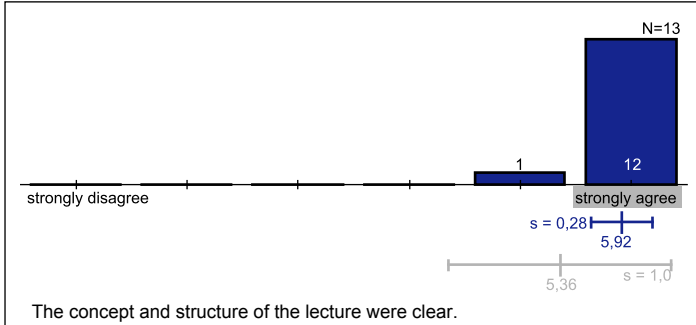
#### Lecture

#### Software - lecture

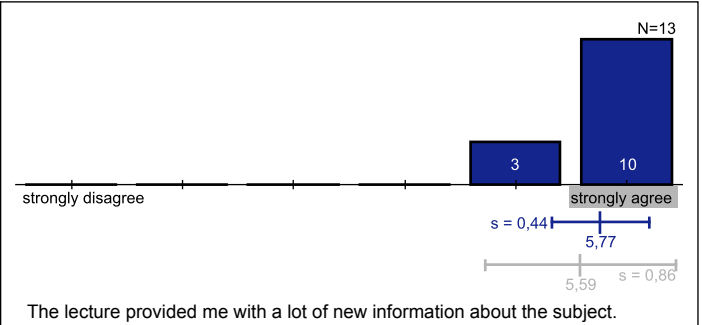




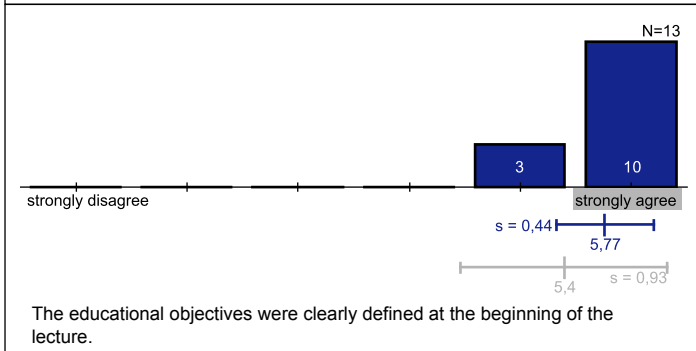
Structure and accompanying material - lecture



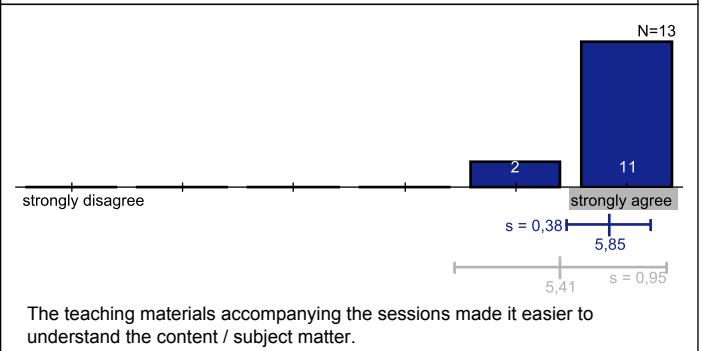
The concept and structure of the lecture were clear.



The lecture provided me with a lot of new information about the subject.

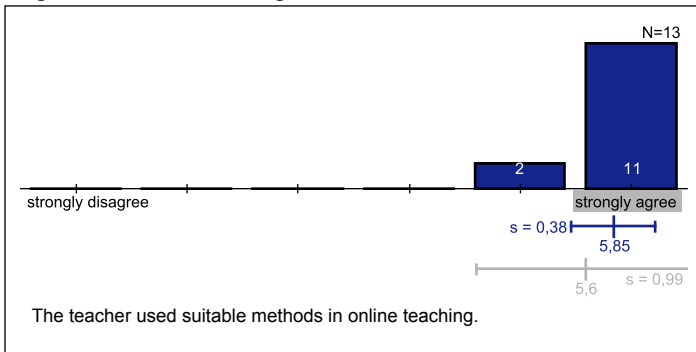


The educational objectives were clearly defined at the beginning of the lecture.

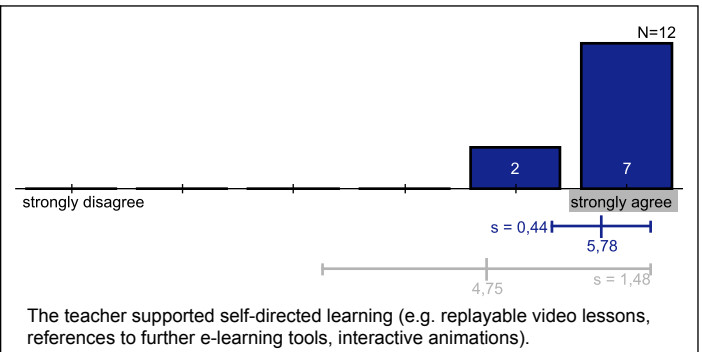


The teaching materials accompanying the sessions made it easier to understand the content / subject matter.

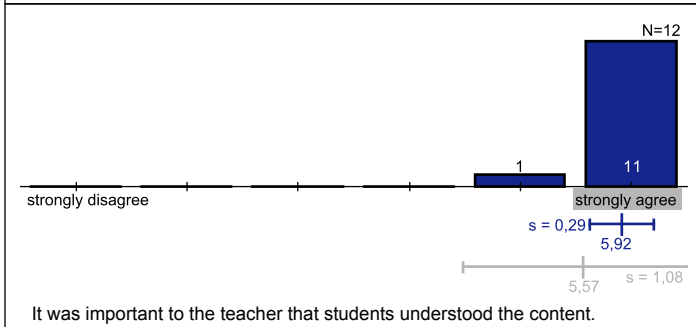
Organization / Teaching methods - lecture



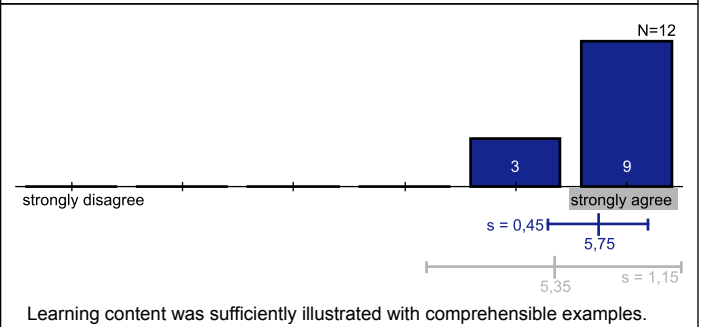
The teacher used suitable methods in online teaching.



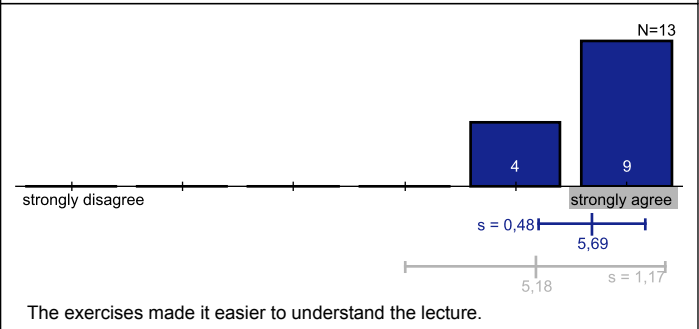
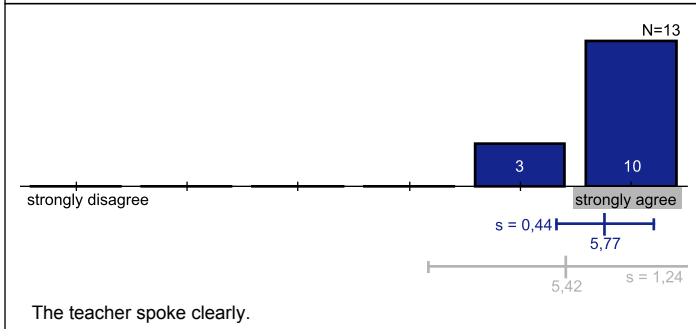
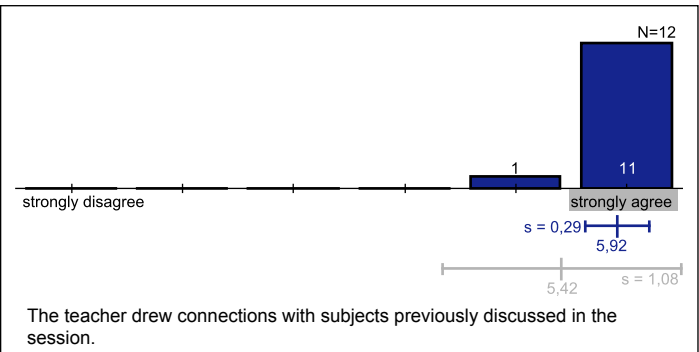
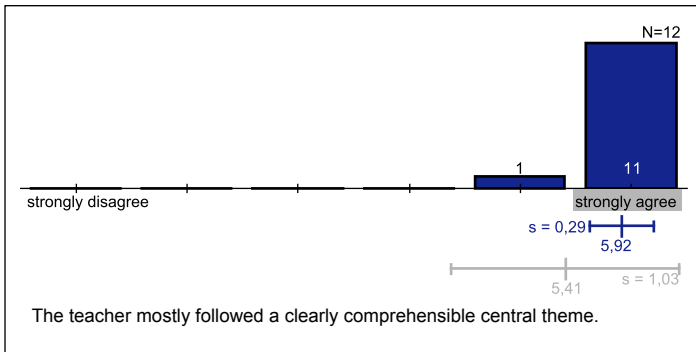
The teacher supported self-directed learning (e.g. replayable video lessons, references to further e-learning tools, interactive animations).



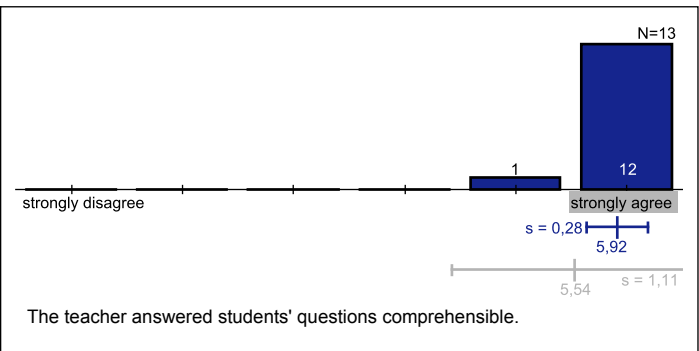
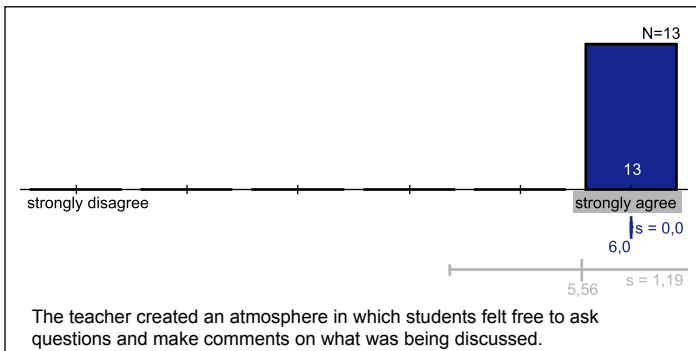
It was important to the teacher that students understood the content.



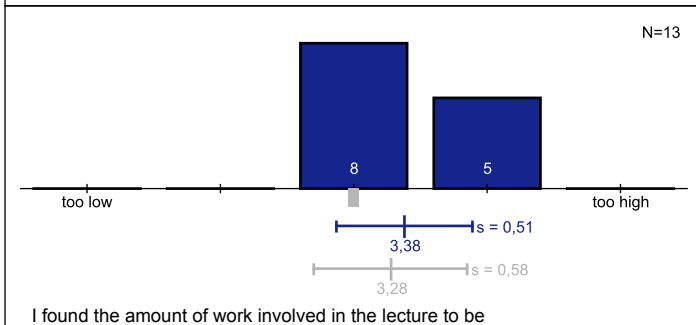
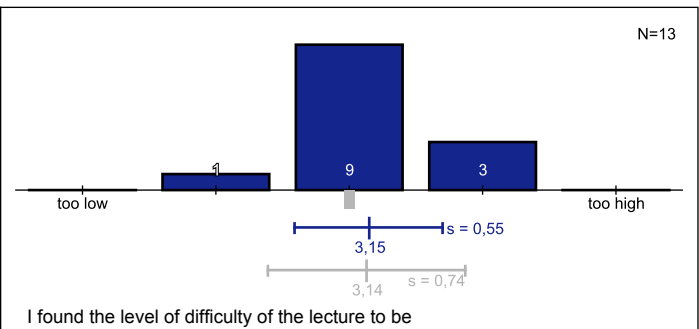
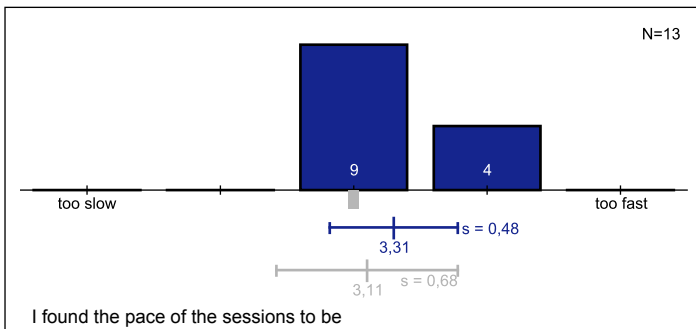
Learning content was sufficiently illustrated with comprehensible examples.



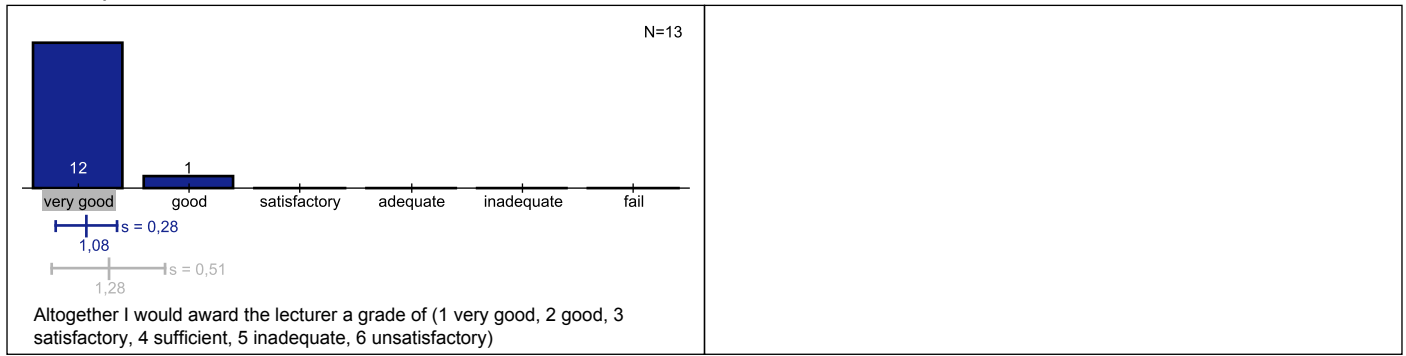
Interaction - lecture



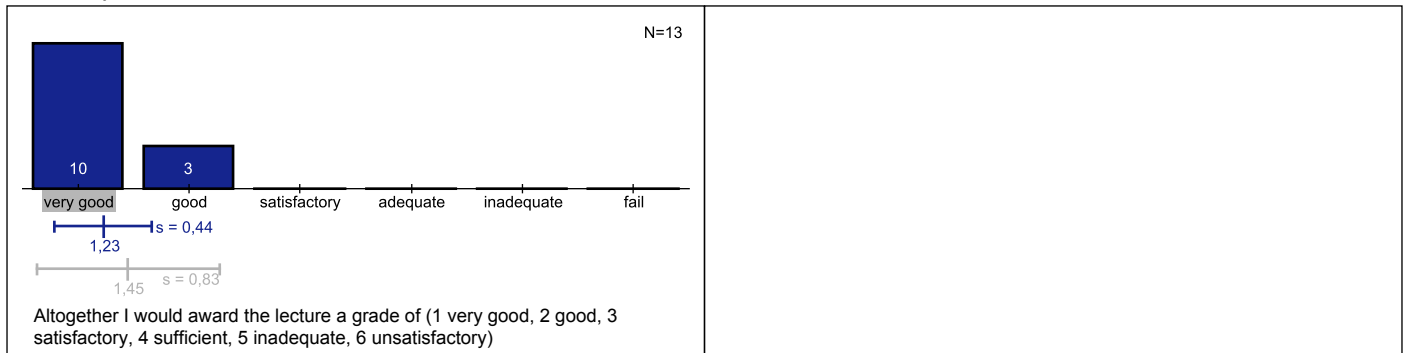
General - lecture



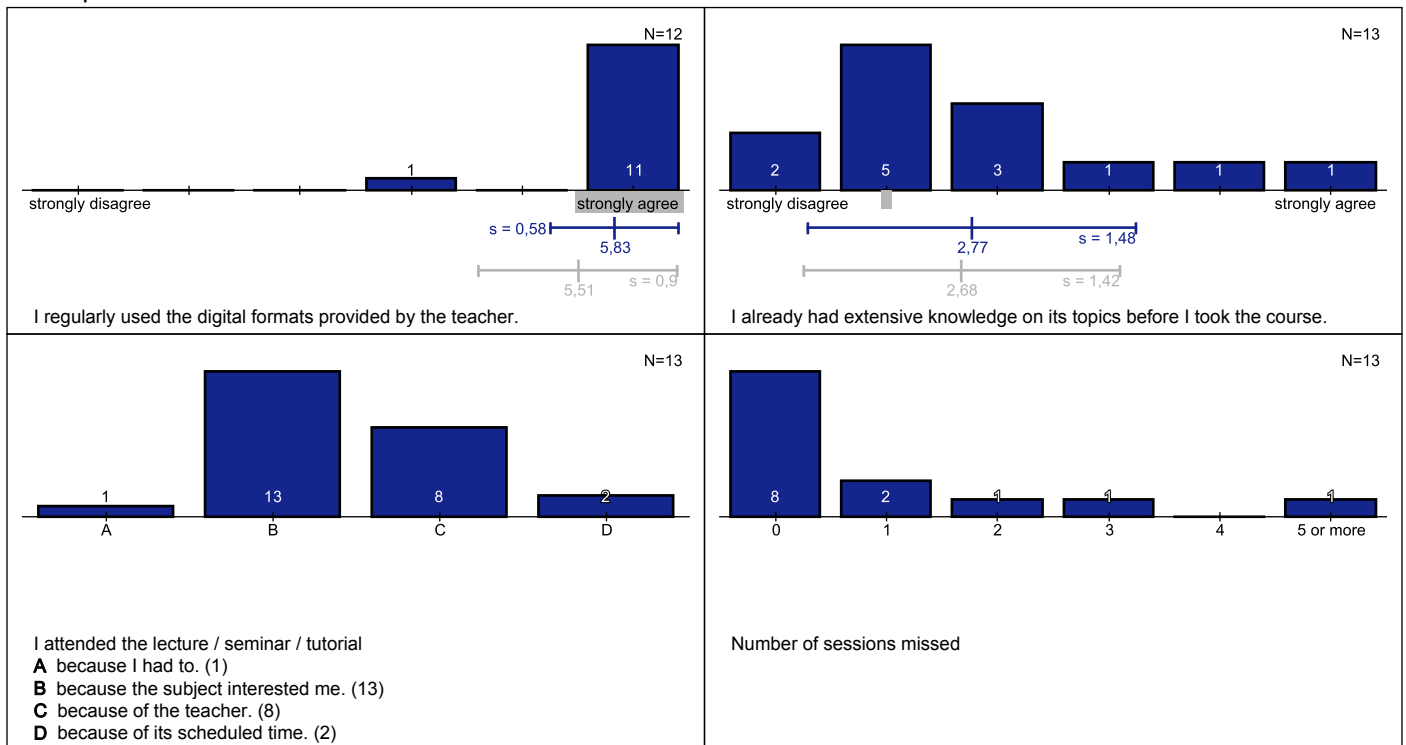
Total impression - lecturer - lecture

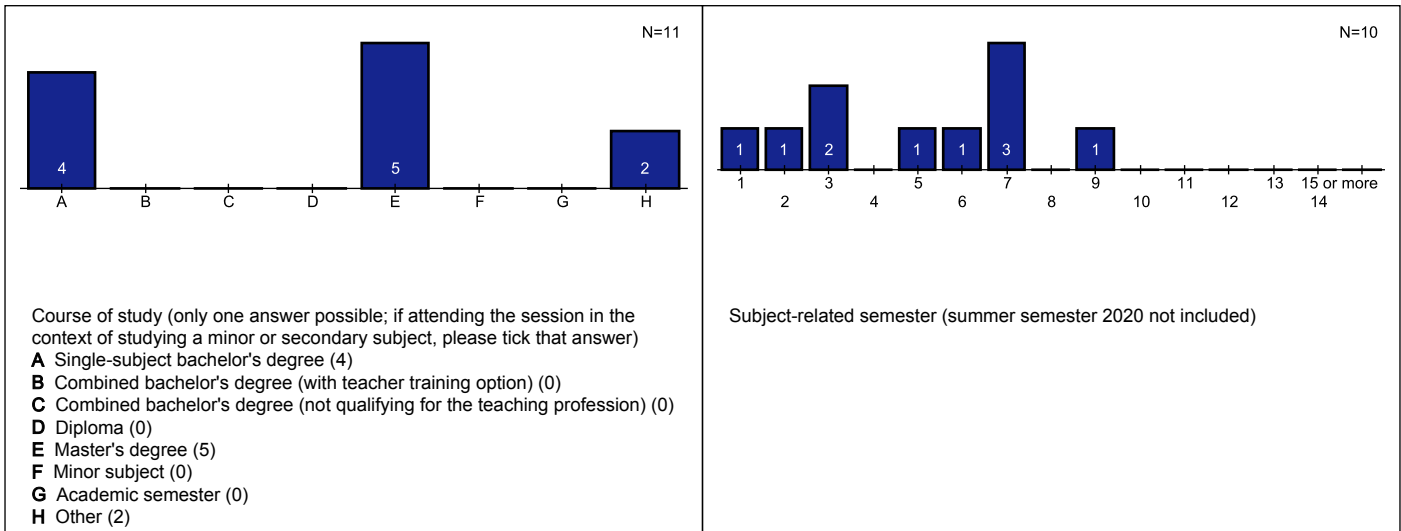


Total impression - lecture



Descriptive Questions - lecture





Tutorial

### Freitextkommentare

#### Lecture and Tutorial

#### Open Questions - lecture

I particularly liked about the course:

- I got a very good grasp on what exactly 4 manifolds are, how to think of them and how to construct them. Also, the possibility to discuss problems in more detail in the exercise was very good.
- I like that things we discuss have connections to other topics in topology and that there is always a reference for that.
- the extra time the lecturer would take to answer questions of students.
- Very interesting and specialised topic

The course could be specifically improved through:

- Offering all lectures as recordings afterwards
- The details often were presented as nearly trivial, but at a second glance, they weren't. E.g. Dehn-Surgery or the different ways to interpret a knot diagram.

What is required / desired in order to use digital teaching formats in the coming semesters (different methods of teaching such as video recording in which the teacher can be seen presenting, more interactive elements, more feedback on ones own learning level, more learning support)?

- The overall experience was very good. A better microphone would be nice, but since all of the online part should end in due time, not necessary.

If you were not able to use the digital formats at all or only to a limited extent, please state why (e.g. insufficient bandwidth of the private internet connection, childcare, no learning environment available).

- had not Problems

#### Grafiklegende

