| Modul:	Semester:
Computational Topology	WS 22/23

Ergebnis der Online-VLU. Die Umfrage fand in den letzten beiden Vorlesungswochen statt.

1 Bewertung der Vorlesung

Wie oft hast du die Vorlesung besucht?
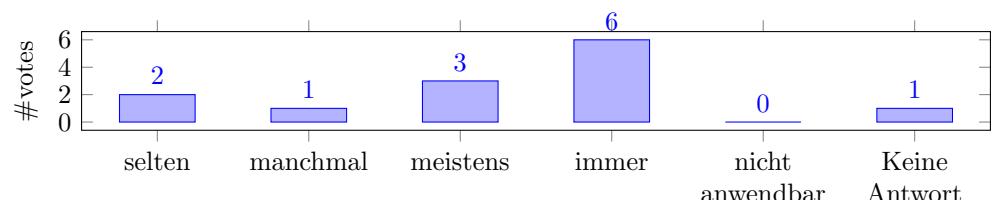
Wurden Themen durch Beispiele veranschaulicht?
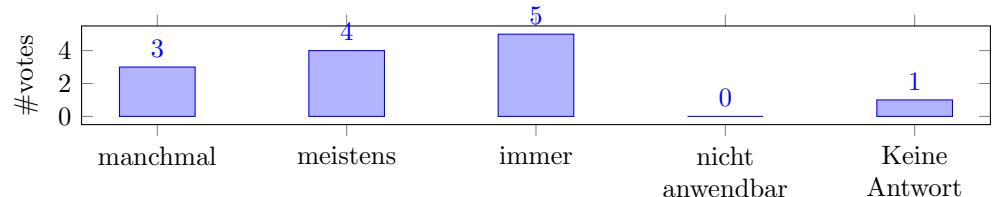
Wurden die Themen ausführlich genug erklärt?
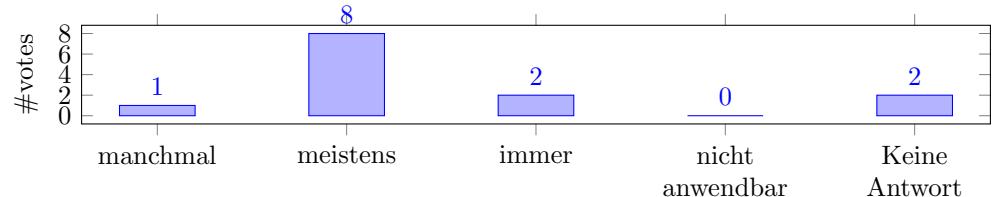
War die Struktur der Vorlesung klar zu erkennen?
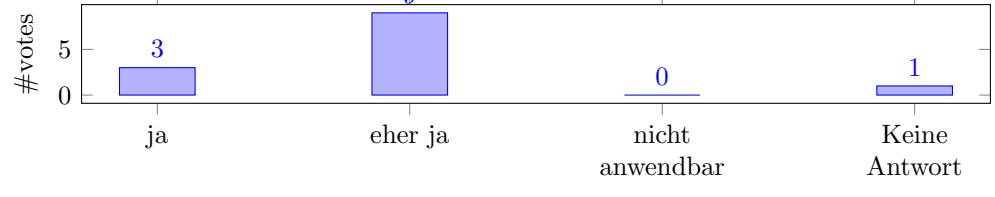
Waren die Folien/das Skript hilfreich?
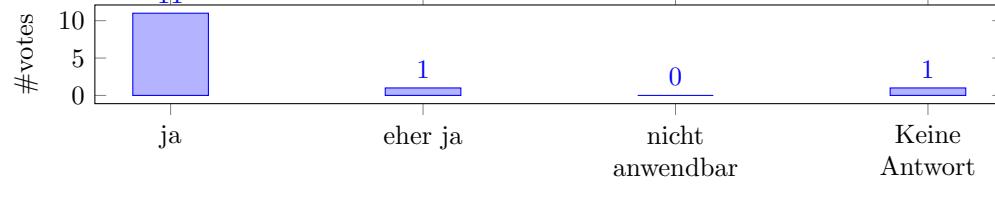
2 Bewertung der Dozierenden

Die Geschwindigkeit der Vorlesung war...
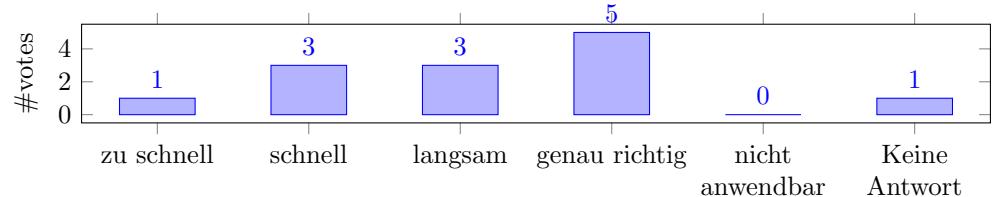
Wie viel verstehst du während der Vorlesung?

Alles	das Meiste	die Hälfte	wenig	nicht anwendbar	Keine Antwort
1	5	4	1	0	2
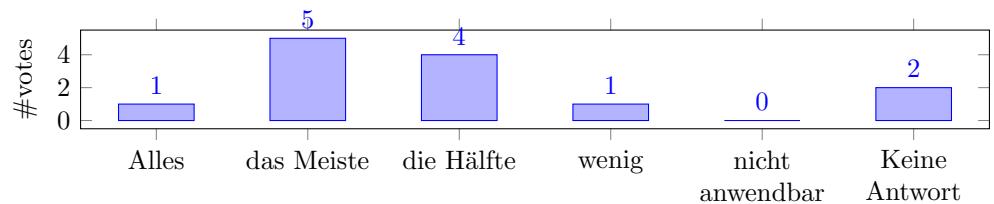
Ist der Dozent/die Dozentin gut auf Fragen eingegangen?

meistens	immer	nicht anwendbar	Keine Antwort
1	10	0	2
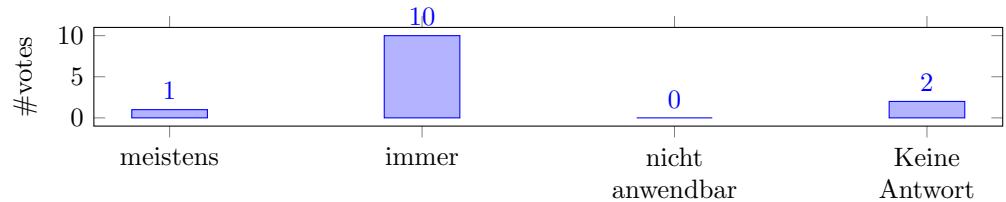
War der Dozent/die Dozentin außerhalb der Vorlesung für Fragen etc. erreichbar?

immer	nicht anwendbar	Keine Antwort
7	1	5
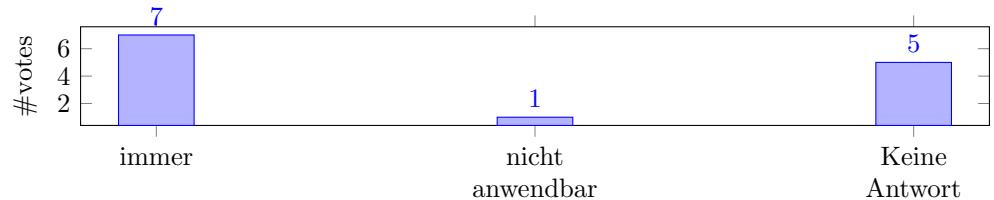
War die Dozentin / der Dozent akustisch gut zu verstehen?

| meistens	immer	nicht anwendbar	Keine Antwort
1	11	0	1
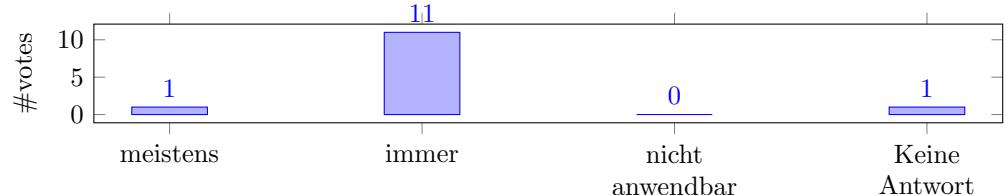
3 Bewertung des Moduls

Findest du die verlangten Studienleistungen für dieses Modul angemessen?

ja	eher ja	nein	nicht anwendbar	Keine Antwort
5	1	1	3	3
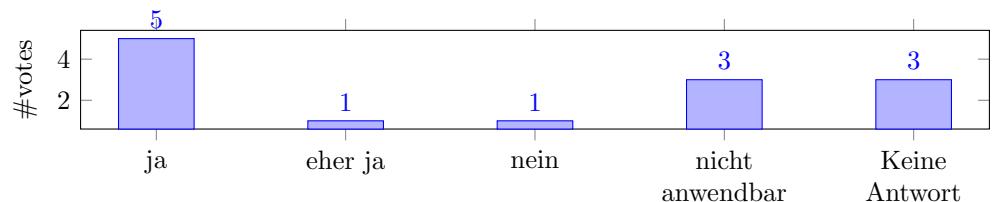
Würdest du das Modul weiterempfehlen?

ja	eher ja	neutral	nicht anwendbar	Keine Antwort
7	3	2	0	1

Der Praxisbezug war...

groß	eher groß	mittel	eher gering	nicht anwendbar	Keine Antwort
2	2	2	2	1	4
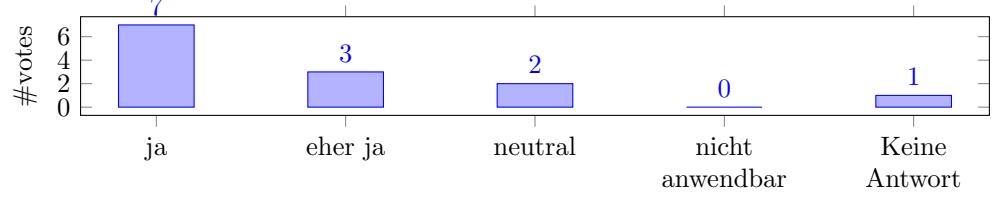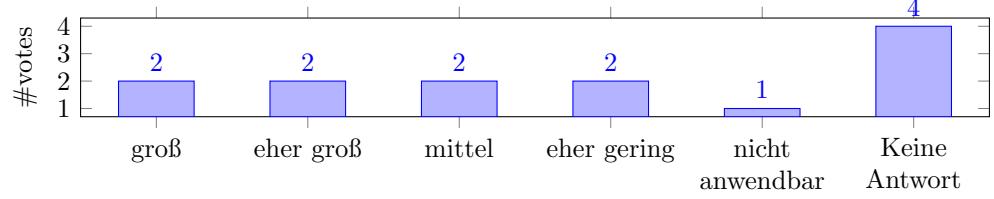
Ist der Arbeitsaufwand für dieses Modul im Hinblick auf die LP-Zahl angemessen?

hoch	angemessen	niedrig	nicht anwendbar	Keine Antwort
1	10	1	0	1
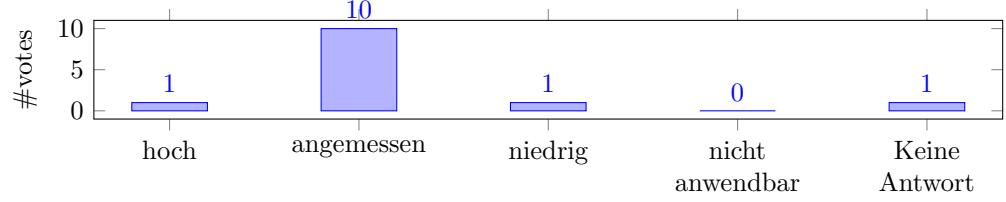
Dein Interesse für dieses Thema ist...

| stark gestiegen	etwas gestiegen	stark gesunken	nicht anwendbar	Keine Antwort
8	3	1	0	1
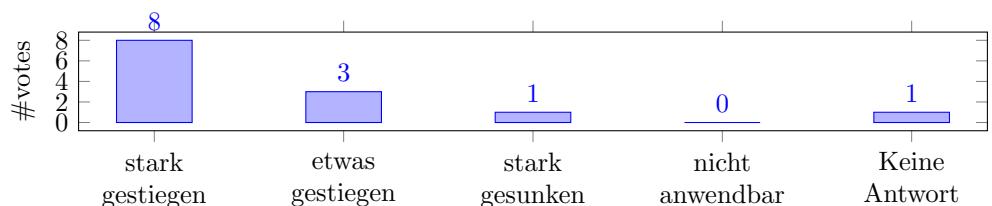
Wie viele Stunden hast du insgesamt, inkl. Vorlesung, Übung, Übungsaufgaben..., pro Woche für dieses Modul aufgewendet?

| [0,3) Stunden	[3,6) Stunden	[6,8) Stunden	[8,10) Stunden	nicht anwendbar	Keine Antwort
3	3	3	2	0	2
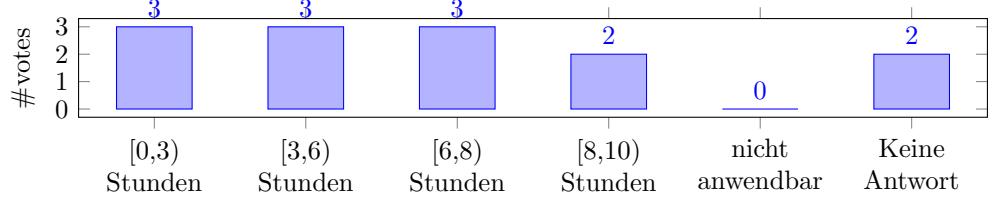
4 Bewertung der Übungsaufgaben

Wie oft hast du die Übungen besucht?

nie	selten	manchmal	meistens	immer	nicht anwendbar	Keine Antwort
1	3	2	3	2	0	2
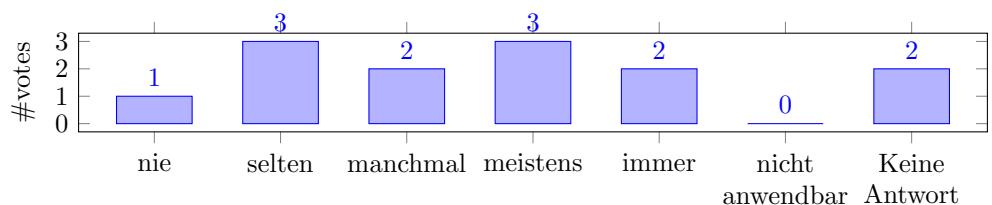
Wurden die Übungsaufgaben rechtzeitig zur Verfügung gestellt?

nie	selten	manchmal	meistens	immer	nicht anwendbar	Keine Antwort
3	2	3	2	1	0	2
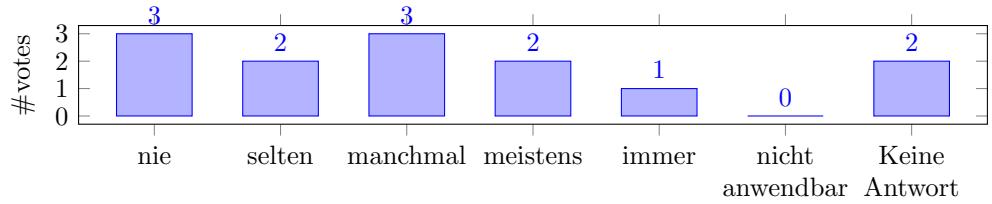
Die Schwierigkeit der Übungsblätter schwankte...

nicht	mittelmäßig	stark	nicht anwendbar	Keine Antwort
1	7	1	0	4

Die Vorlesung war...

etwas voraus	gleichauf	etwas hinterher	nicht anwendbar	Keine Antwort
1	6	2	0	4

Die Übungsgruppe war...

genau richtig	etwas zu klein	nicht anwendbar	Keine Antwort
8	1	0	4
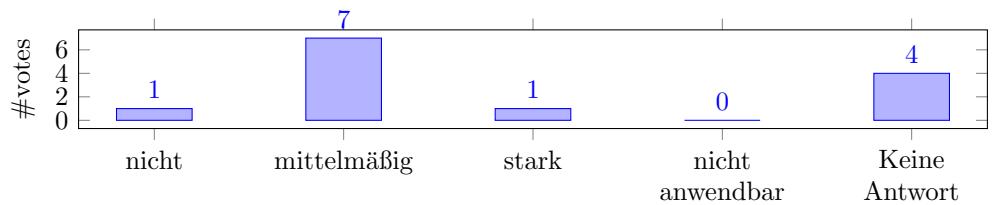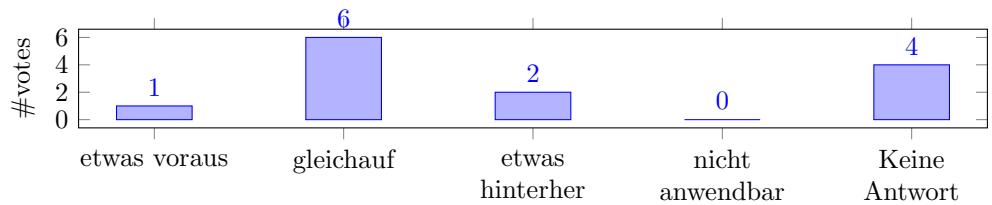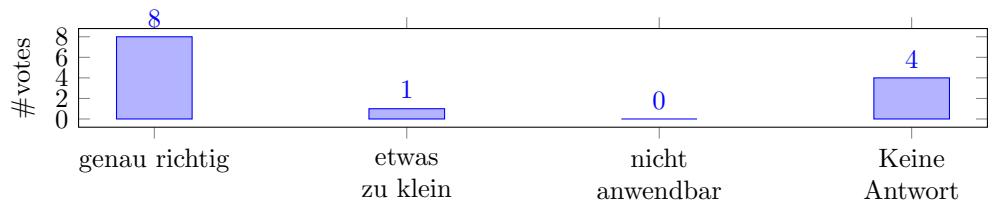
Die Übungsaufgaben waren meistens...

schwierig	angemessen	einfach	nicht anwendbar	Keine Antwort
2	7	1	0	3
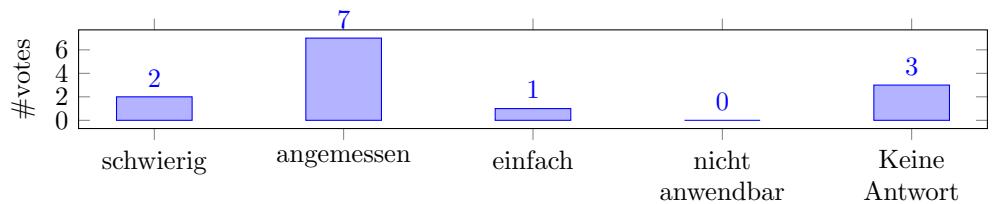
5 Bewertung des Tutoriums

War der Tutor/die Tutorin außerhalb der Übung für Fragen etc. erreichbar?

#votes

nie	selten	immer	nicht anwendbar	Keine Antwort
3	1	1	1	7
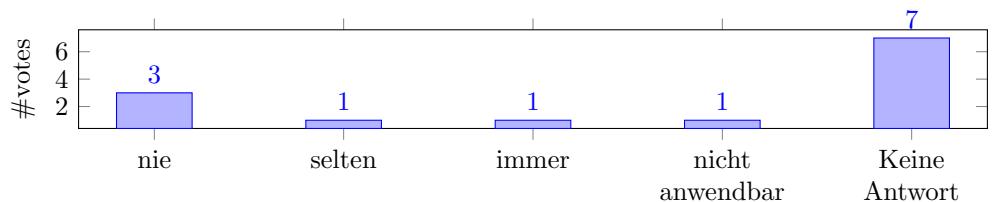
Waren die Korrekturen des Tutors/der Tutorin nachvollziehbar?

#votes

nie	selten	meistens	immer	nicht anwendbar	Keine Antwort
2	1	1	1	3	5
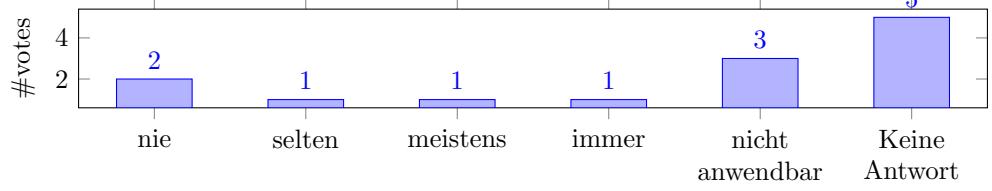
Wurde der Tutor/die Tutorin mit dem Stoff der Übung fertig?

#votes

nie	immer	nicht anwendbar	Keine Antwort
6	3	1	3
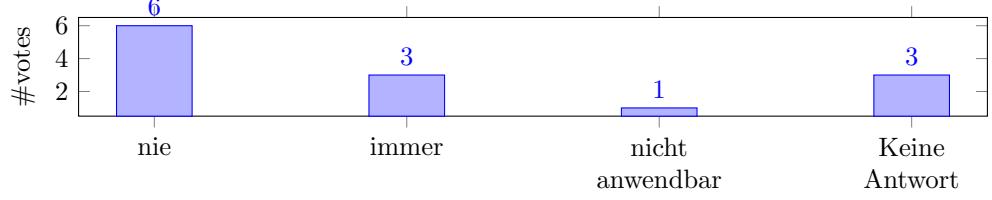
Lohnt sich der Besuch des Tutoriums?

#votes

Ja	Unsicher	nicht anwendbar	Keine Antwort
9	1	0	3
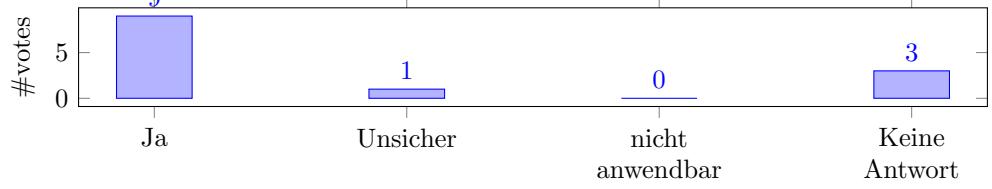
6 Abschließende Bewertung des Moduls

Note:

#votes

sehr gut (1)	gut (2)	nicht anwendbar	Keine Antwort
5	7	0	1
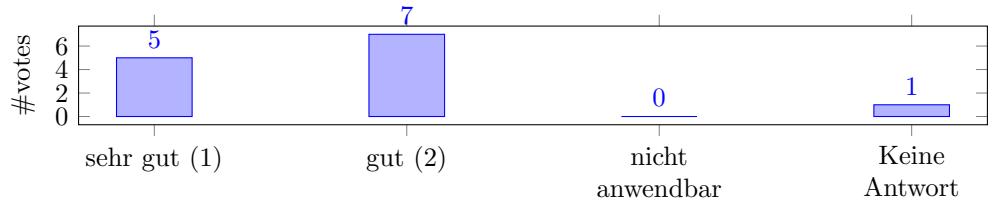
6.1 Hälst du die Vorlesung der Dozent:in für Lehrpreiswürdig und falls ja, warum?

Ja, er ist mit großer Begeisterung dabei und seine Definitionen und Beweise sind schön abstrakt, sodass man sieht was wirklich gebraucht wird.
Yes, because he is very good at communicating motivation for the topics he is teaching and seems to genuinely care about teaching/his students/us understanding what he is teaching. However, he is not ideal didactically, as he is a bit too ambitious with his time management which leads to lectures lasting longer and is sometimes exhausting, and while the aim of the lecture was clear, the organisation of the lectures themselves was sometimes lacking/there seemed to be jumps from one topic to another, sometimes in the course of the same lecture.
Don't know what the teaching award includes, but his motivation and patience (when asked a question, by itself the lecture was pretty fast) when explaining is infectious.
Yes, because it was a good lecture (excluding the last two lectures)
Yeah, his lecture notes were great and his teaching was very engaging.

Yes, Dr. Kolbe is a great lecturer who seemed to have put a lot of effort into the preparation of this course. The lecture was good to follow (even though the topics can be quite difficult without prior knowledge) with an organized whiteboard structure and a detailed script to accompany the course. He was always open to questions and emphasized the importance of speaking up if something is unclear. Overall it was a fun lecture to attend where I learned a lot.
Yes great lecturer that takes his time to prepare a good lecture

7 Freitextkommentare

7.1 Was hat dir an dieser Lehrveranstaltung gefallen?

To see a connection between data analysis and algebraic topology.
Sie war wunderbar mathematisch korrekt, hatte einen Tafelvortrag, das Thema und der Dozent waren super und die Resultate cool.
The motivation, the way of presenting, the very precise lecture notes.
The lecturer was excellent at explaining math and the atmosphere during the lectures was great.
The lecturer and a little the outlook on how the content is applicable. The motivation and just positive vibe of the lecturer was the best thing though.
The lecturer was clearly passionate and this passed on to us. It was well motivated, the topics were interesting, I liked the interactivity
The lecture notes were great to have and well done. I really liked that remarks were given for more general concepts or observations outside of the scope of the lecture. Nothing to stress about knowing but intereting to have know if you have the right background. I also enjoyed the teaching style of Prof. Kolbe.
Great presentation skills, making the lectures very informative and fun at the same time. The organization of the whiteboard, which helped in following the lecture and taking notes. The script to recap the lecture for oneself and offer additional content.
It was great to see how one uses all that topology stuff I learned in my bachelors.
I loved the content and the lecture style. The atmosphere that was created was great for asking any kind of question and learning about the contents in a more fun way than usual.

7.2 Was könnte noch besser gemacht werden?

Maybe, especially for the CS students show some real-world examples where TDA was used to e.g. classify point clouds based on the topological features.
Vielleicht an einigen Stellen die (zwar für mich sehr schöne) Abstraktheit etwas reduzieren, da das mathematische Grundwissen von Informatikern zumeist nicht besonders groß ist.
A clearer organisation/order of the material discussed, better time management, sometimes some tools needed were presented too quickly which does not leave enough time to really understand how they work, especially with very varying mathematical backgrounds.
Die einzelnen Vorlesung könnten bezüglich Pause und Zeitaufwand der Lemma besser strukturiert sein.

I felt like I was attending a math lecture, especially after around christmas. This might not be a problem for everyone but for me it was. I also think that some contents of the lecture were done just because the math was supposed to be inherently interessting but this wasn't that case for me (cohomology, some of the parts about quivers). These parts didn't feel like they were advancing the main goals of the lecture and since the lecture was already very math heavy I think they could have been dropped in favor of a slower lecture in the last month or more applications.

Since this sounds overly critical I would like to note that I rated this lecture with a 2. I just think that this lecture would have better kept my interesst if it used all the math it introduced to end on a more computer sciencey topic like more on data structures instead of barely reaching multifiltrations. Union find just doesn't cut it anymore when you learn about it for the fourth time

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The lecture speed was a bit high and PLEASE add a basic understanding of topology to the lecture requirements. Learning topology in a few weeks is a painful brainfuck. Even if we're just cherry picking the stuff we need.

Time management (breaks, not going over time) The last few lectures weren't as well motivated and especially the last one was way too crammed full of information. Sometimes more precise definitions

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Even though the course is mostly self-contained, an overview over the most important prerequisites could be helpful, especially for students who switched universities for their masters and have different levels of math skills.

End the lecture on time :D

Time management, both during the lecture and in the overall course, it didn't feel like we got through all the content. Also some more examples, especially in the last chapters would have been nice. Sometimes the motivation/context of different parts wasn't clear (quivers for example, I didn't realise what they will be used for until a friend told me)