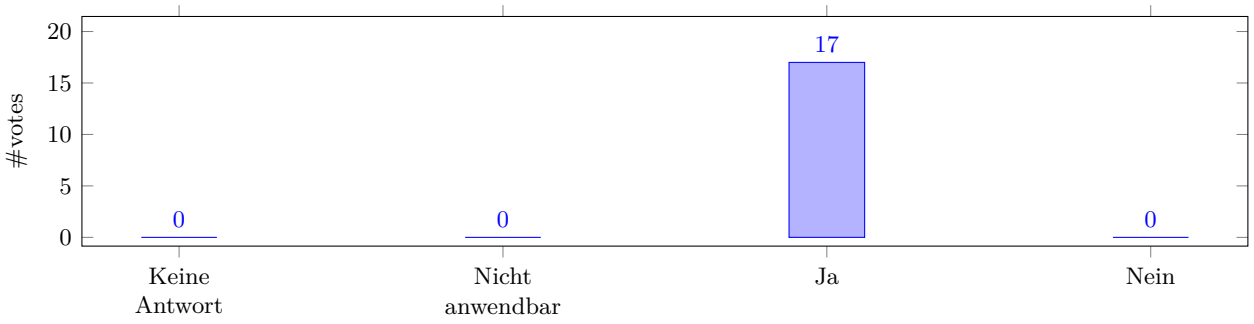
Veranstaltung:	Semester:
MA-INF 1213 - Randomized Algorithms and Probabilistic Analysis SS25	SS25

Ergebnis der Online-Umfrage. Anzahl der Teilnehmenden: 17.

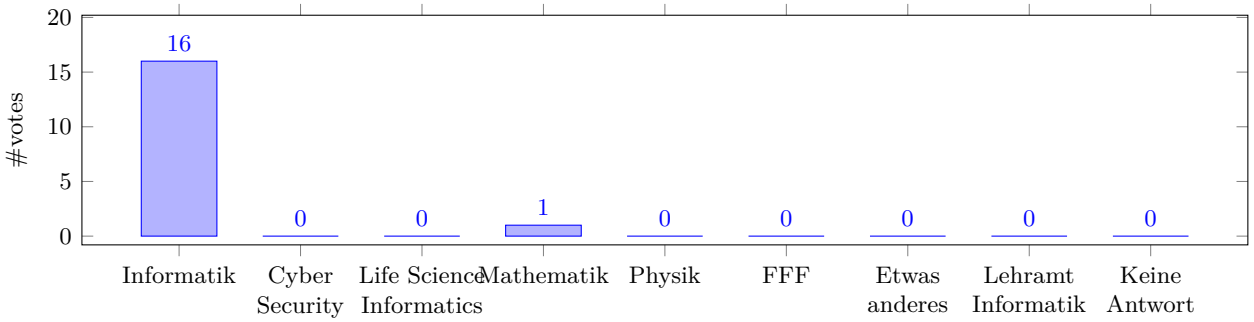
Die Umfrage fand in den Tagen nach der Veranstaltung statt.

1 Demographische Daten

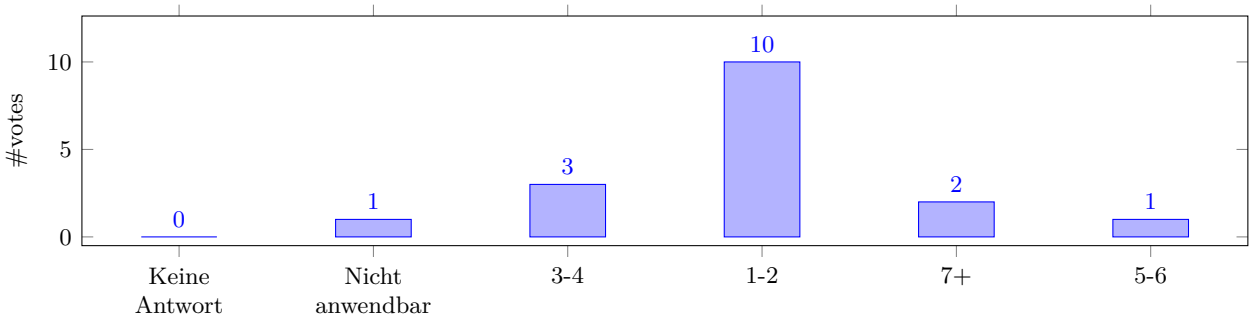
1.1 Hörst du die Vorlesung/das Modul zum ersten Mal?



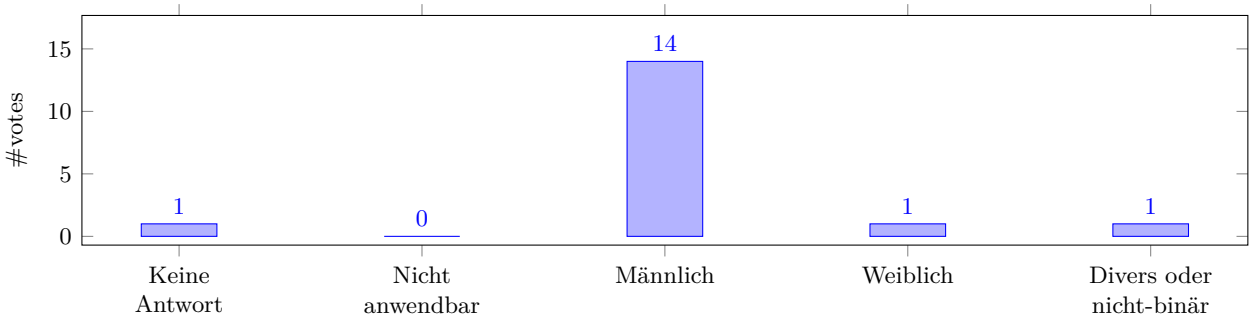
1.2 Welches Fach/welche Fächer studierst du?



1.3 In welchem Fachsemester bist du?

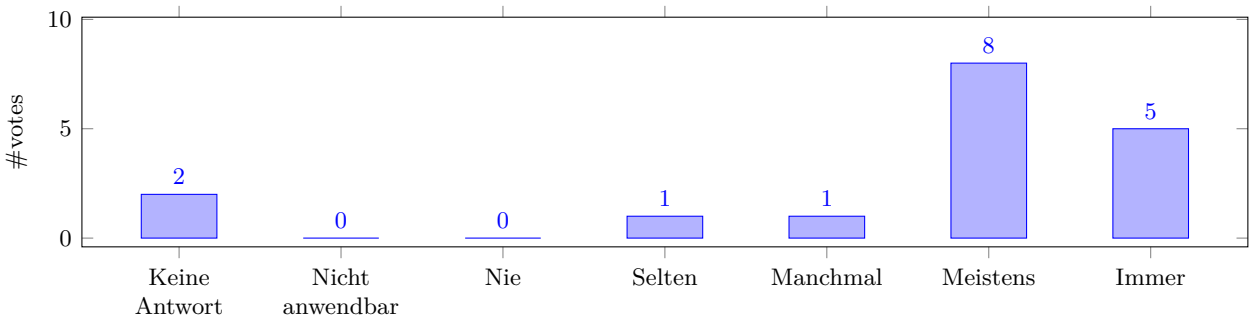


1.4 Welches dieser Geschlechter beschreibt Dich am besten?

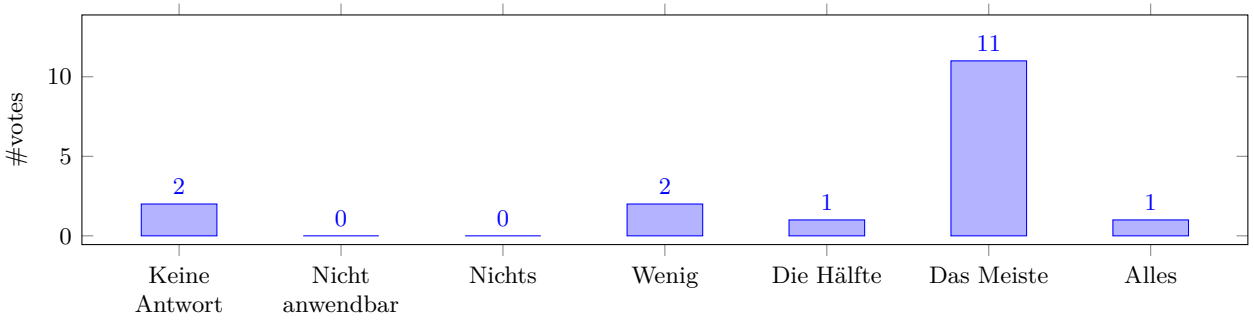


2 Vorlesung

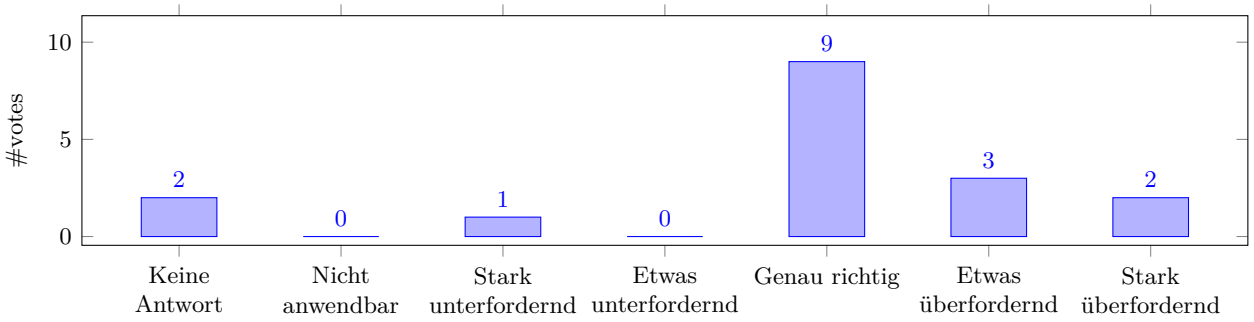
2.1 Wie oft hast du die Vorlesung besucht?



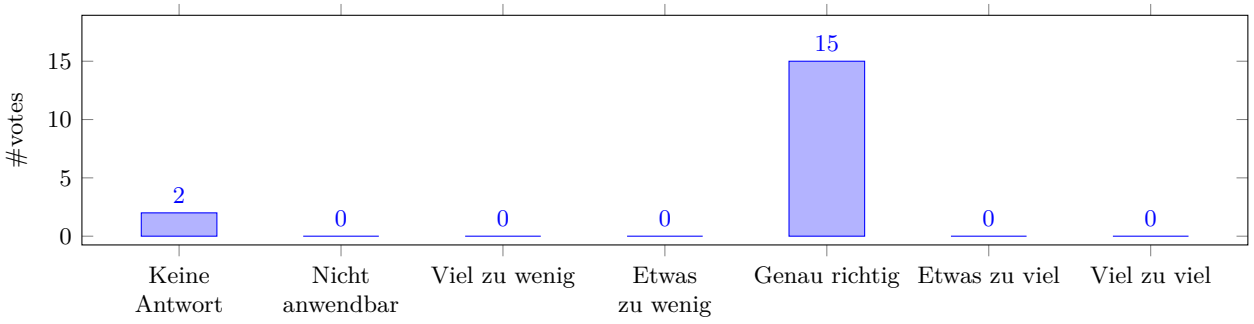
2.2 Wie viel hast du während der Vorlesung verstanden?



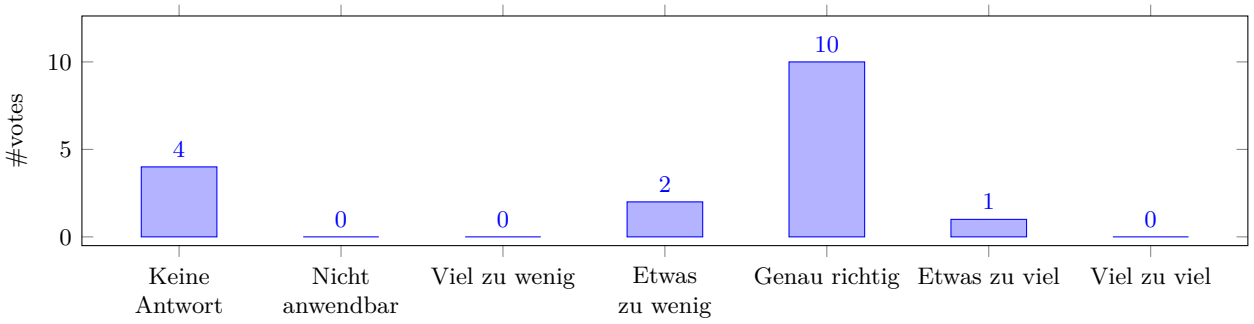
2.3 Wie hast du den Schwierigkeitsgrad der behandelten Themen wahrgenommen?



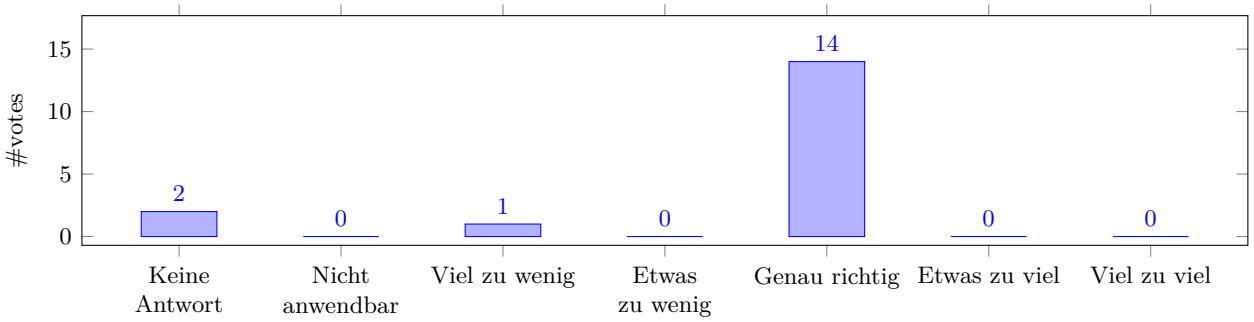
2.4 Wie ausführlich wurden die Themen erklärt? (MA-INF 1213 - Randomized Algorithms and Probabilistic Analysis SS25)



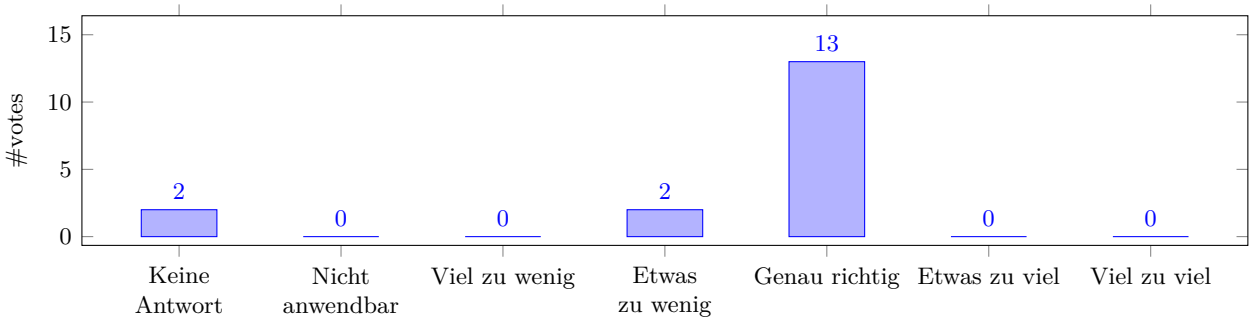
2.5 Wie ausführlich wurden die Themen erklärt? (MA-INF 1213 - Randomized Algorithms and Probabilistic Analysis SS25)



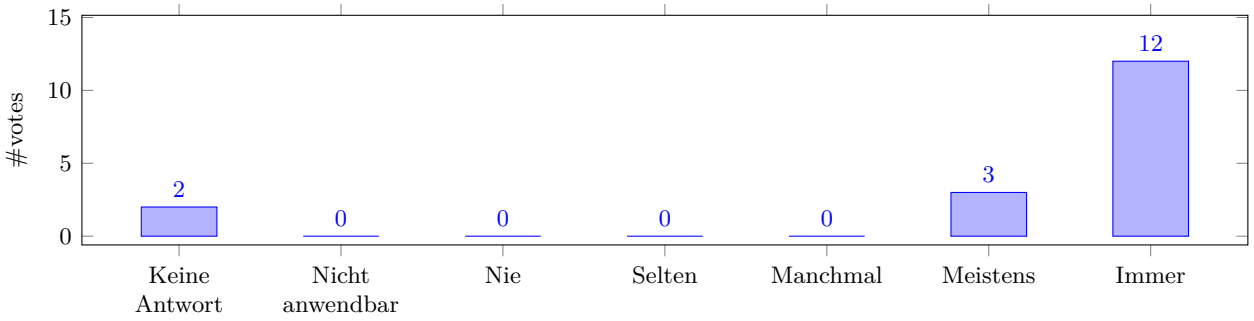
2.6 Wie stark wurden Themen durch Beispiele veranschaulicht?



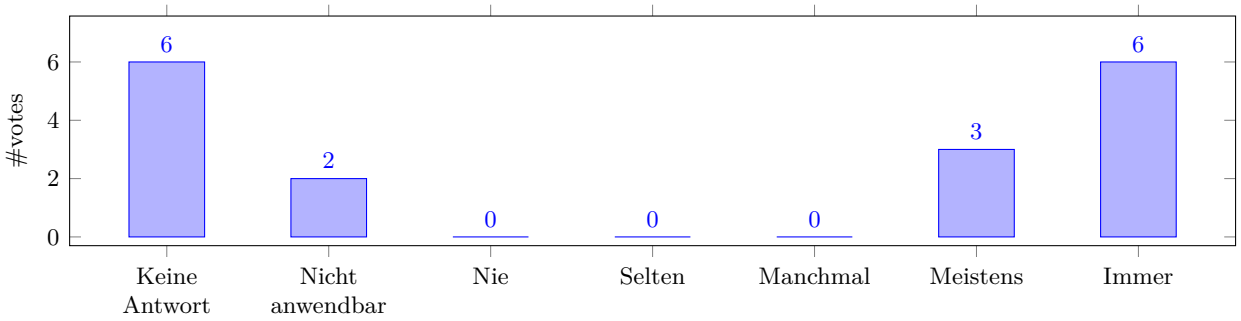
2.7 Die Interaktivität in der Vorlesung war...



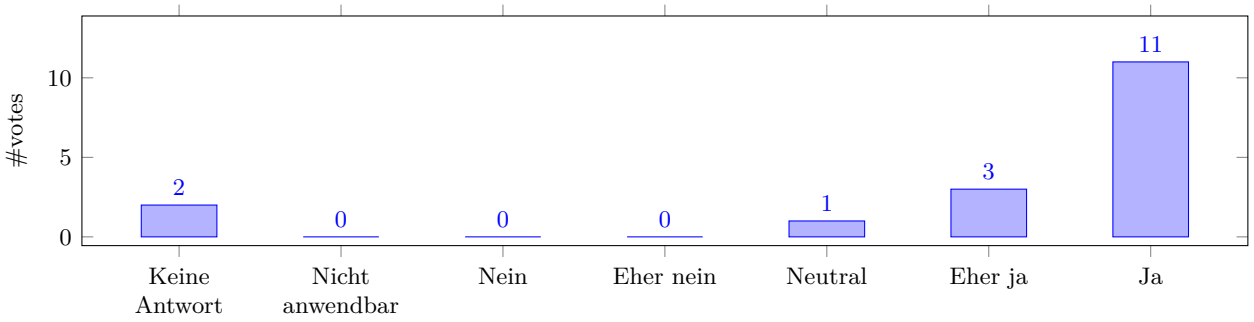
2.8 Ist der:die Dozent:in zufriedenstellend und verständlich auf Fragen eingegangen?



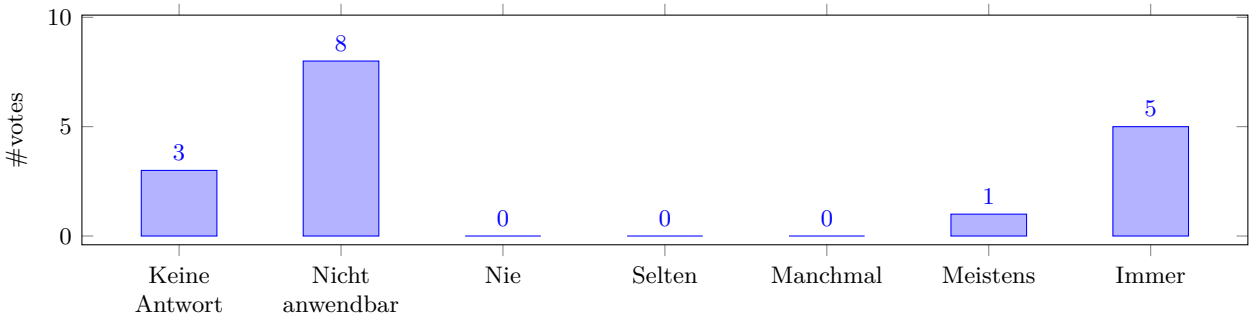
2.9 War der:die Dozent:in außerhalb der Vorlesung für Fragen etc. erreichbar?



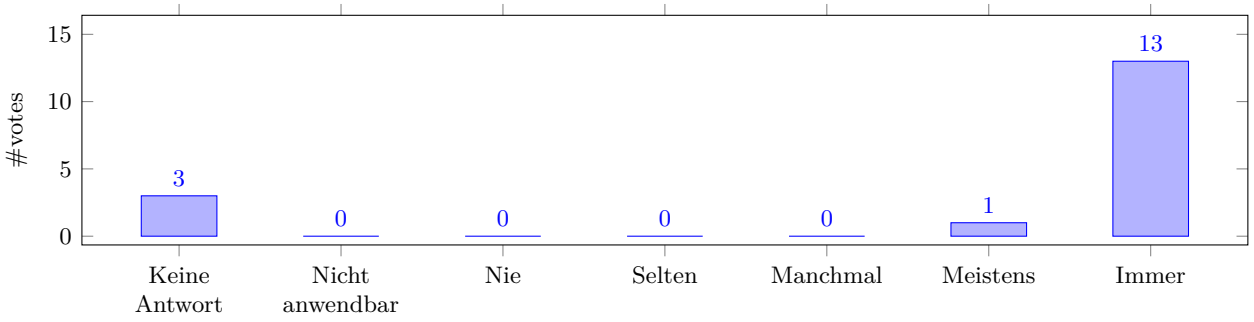
2.10 Bist du gut mit dem Vortragsstil (Redetempo, ...) des:der Dozent:in klar gekommen?



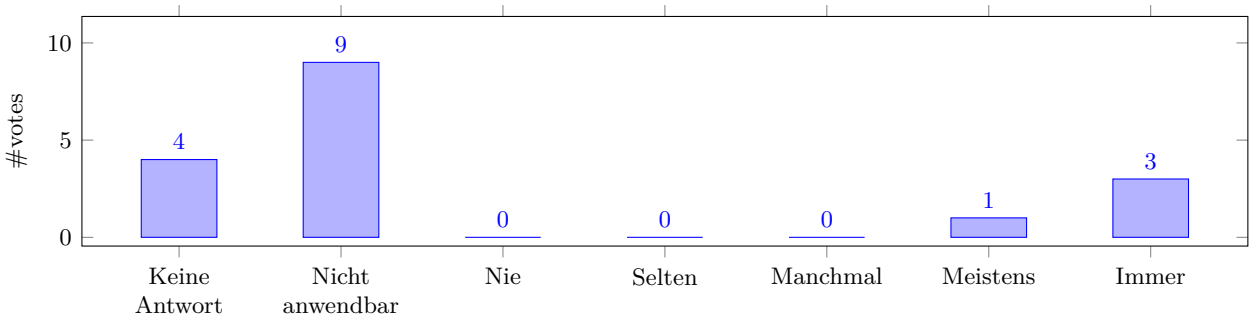
2.11 Waren die Folien hilfreich?



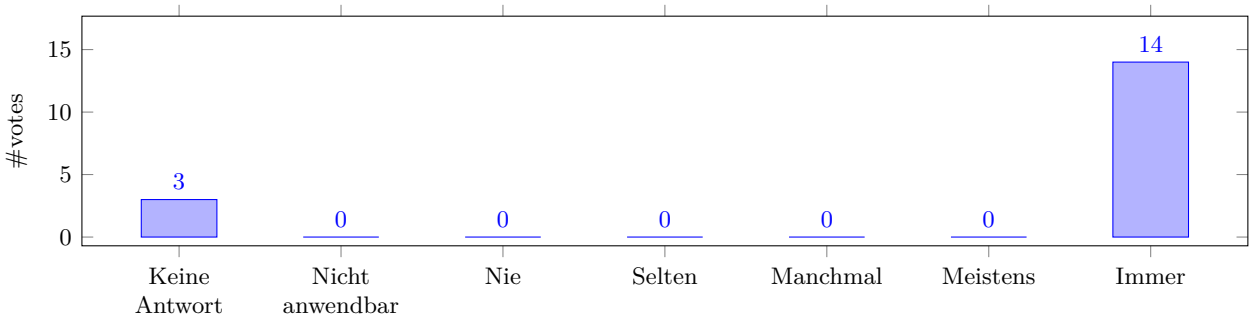
2.12 War das Skript hilfreich?



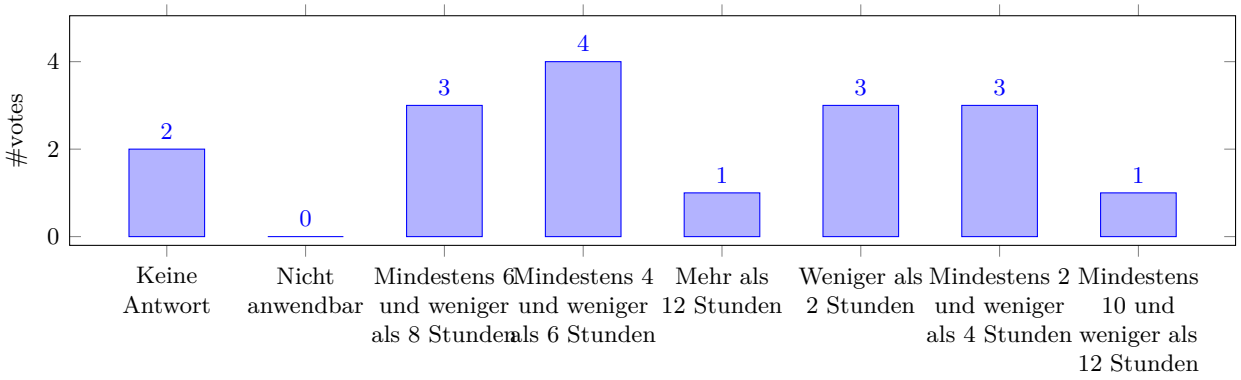
2.13 Waren zusätzliche Materialien zur Vorlesung (Vorlesungsvideos, Wiki, ...) hilfreich?



2.14 Wurden die Vorlesungsmaterialien rechtzeitig zur Verfügung gestellt?



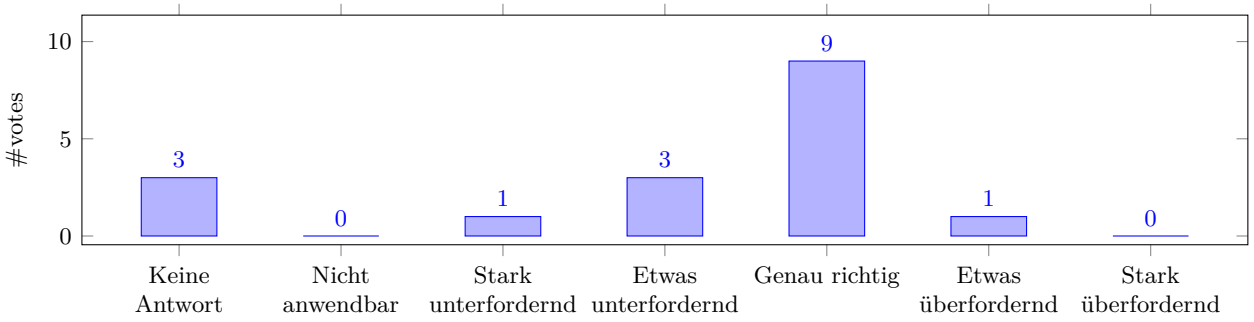
2.15 Wie viele Stunden hast du insgesamt für die Vorlesung und die Vor- und Nachbereitung dieser pro Woche aufgewendet? (ohne Übungsaufgaben und Tutorien)



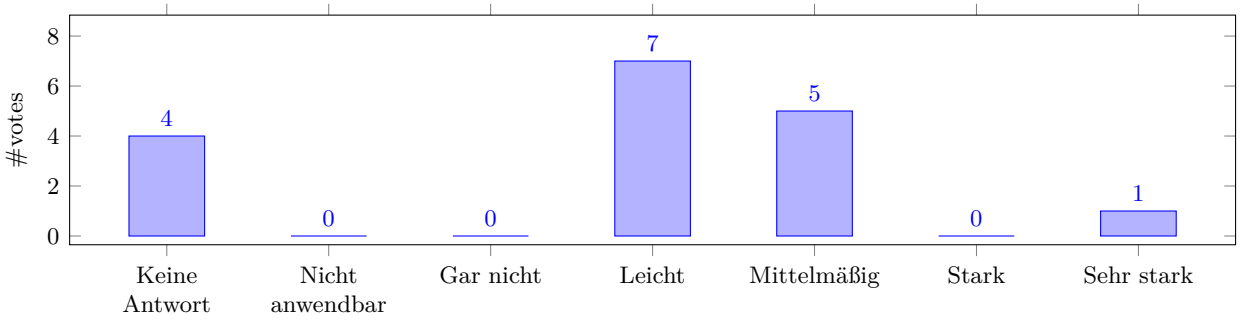
2.16 Ein guter und respektvoller Umgang miteinander ist uns sehr wichtig. Gab es deiner Meinung nach in der Vorlesung Situationen, bei denen dies nicht gegeben war? Du kannst diese hier schildern, oder dich auch vertraulich an die Fachschaft oder die Studienberatung der Informatik wenden.

3 Übungsaufgaben

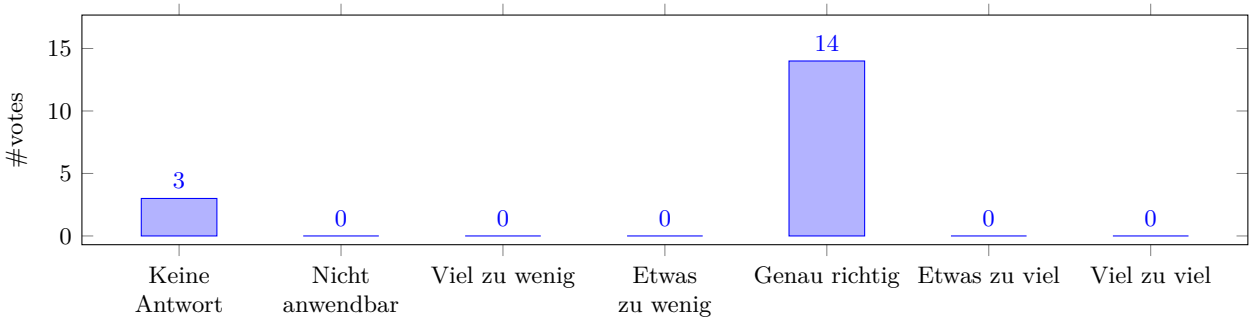
3.1 Wie hast du den Schwierigkeitsgrad der Übungsaufgaben wahrgenommen?



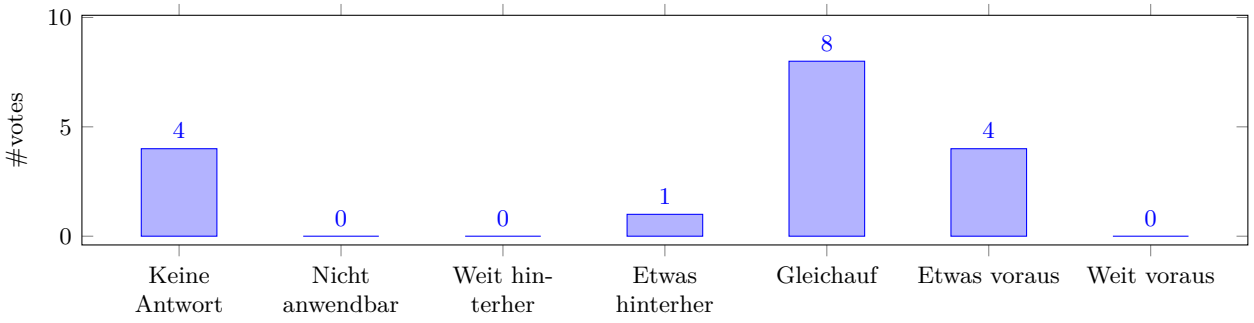
3.2 Die Schwierigkeit der Übungsaufgaben schwankte...



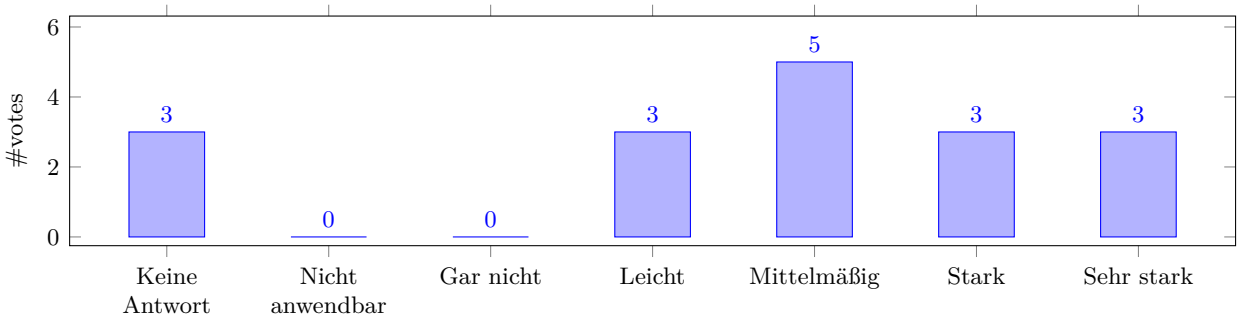
3.3 Wie viel Zeit wurde zwischen Veröffentlichung und Abgabe/Besprechung der Übungsaufgaben gelassen?



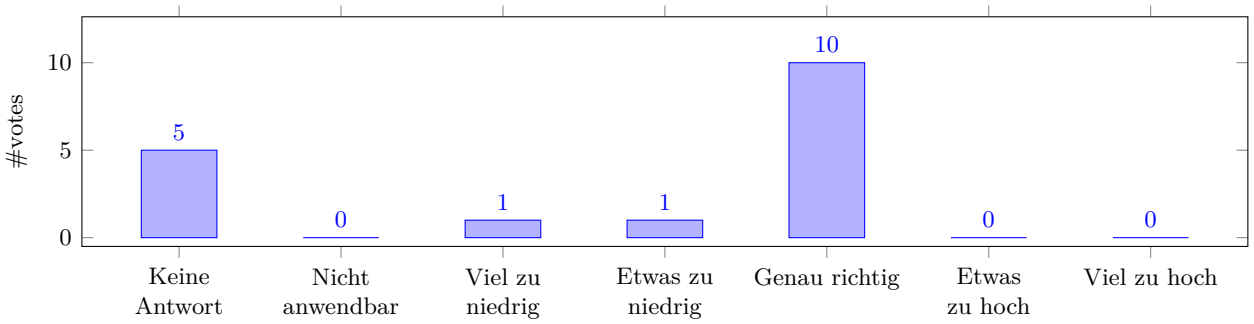
3.4 Passten die Übungsaufgaben zeitlich zur Vorlesung? Die Vorlesung war...



3.5 Wie sehr haben dich die Übungsaufgaben beim Erreichen des Lernziels unterstützt?

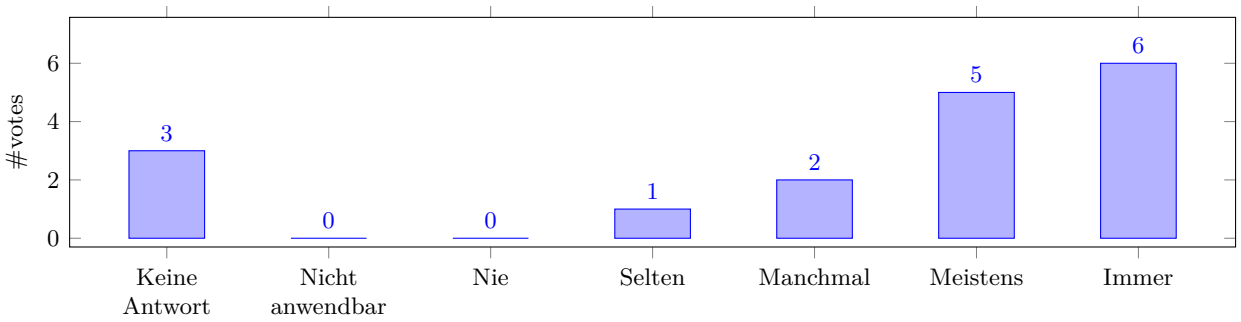


3.6 Findest du die verlangte Studienleistung für dieses Modul angemessen? Sie ist...

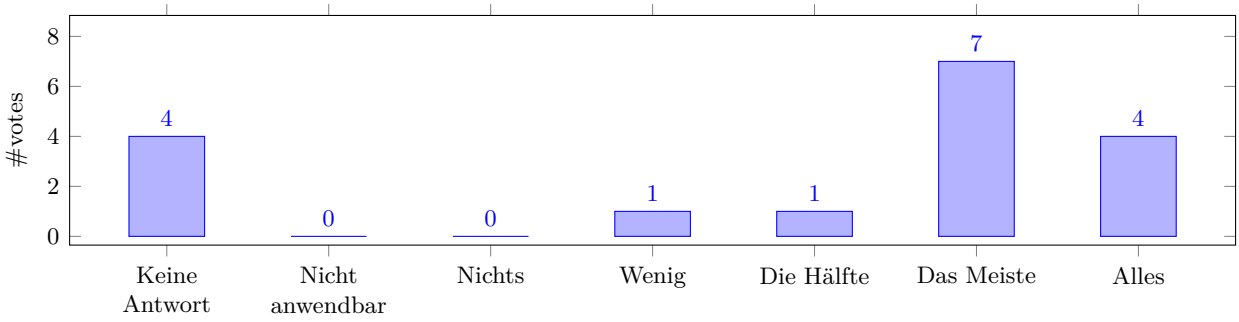


4 Tutorium

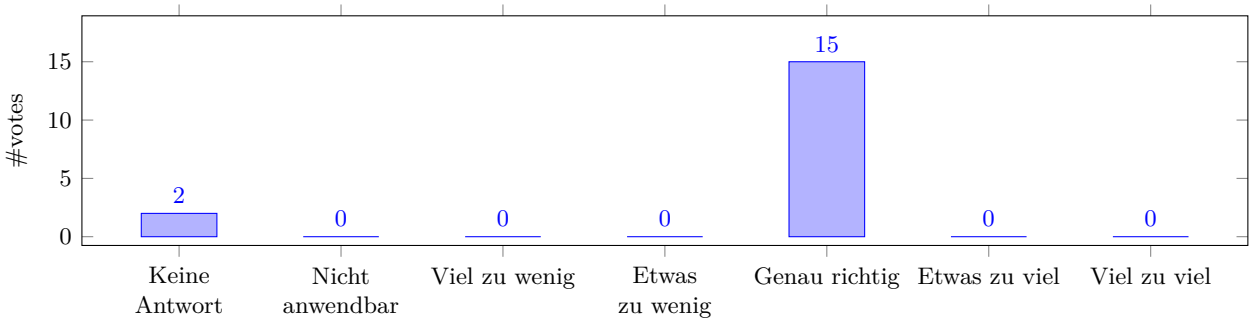
4.1 Wie oft hast du das Tutorium besucht?



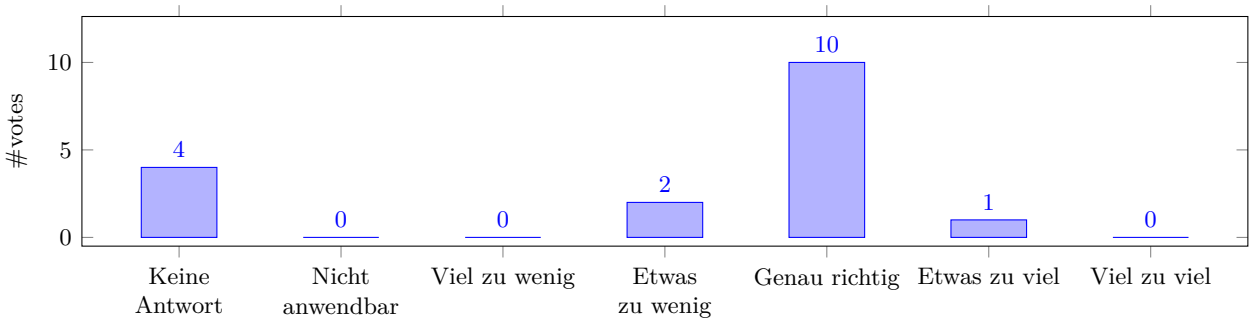
4.2 Wie viel hast du während des Tutoriums verstanden?



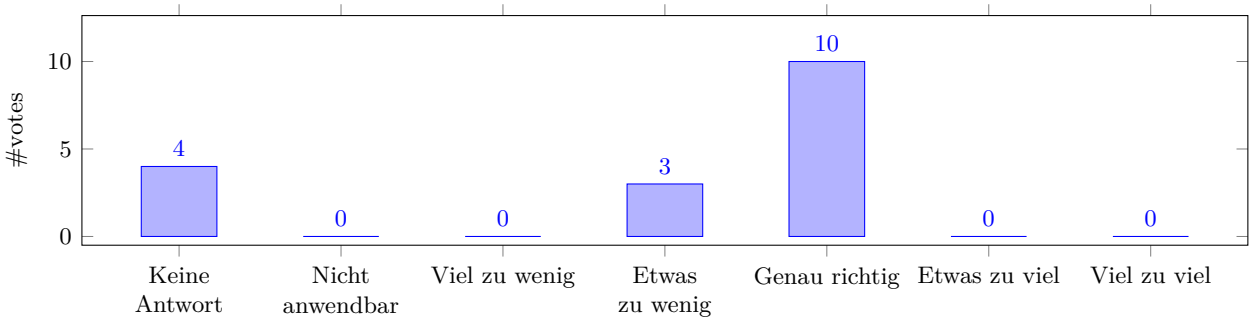
4.3 Wie ausführlich wurden die Themen erklärt? (MA-INF 1213 - Randomized Algorithms and Probabilistic Analysis SS25)



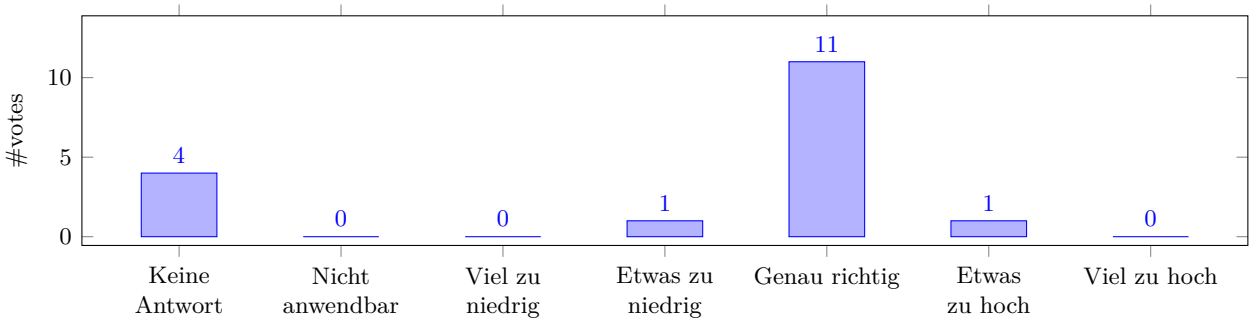
4.4 Wie ausführlich wurden die Themen erklärt? (MA-INF 1213 - Randomized Algorithms and Probabilistic Analysis SS25)



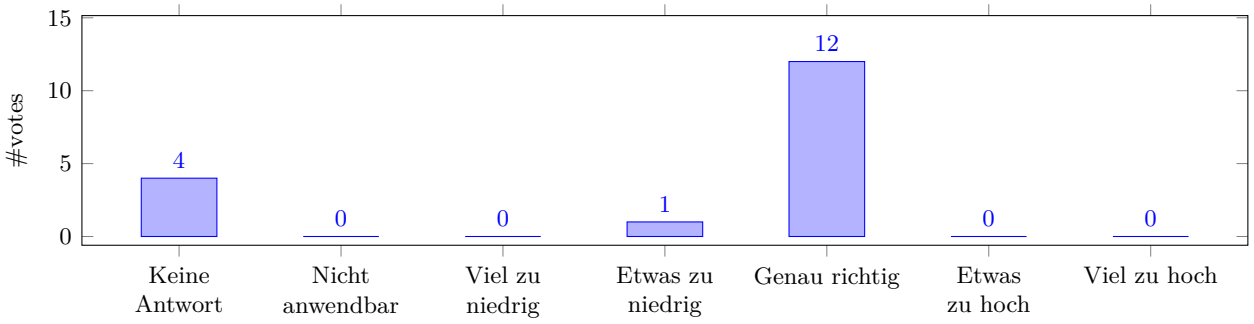
4.5 War die Zeit für das Tutorium für die zu besprechenden Inhalte angemessen?



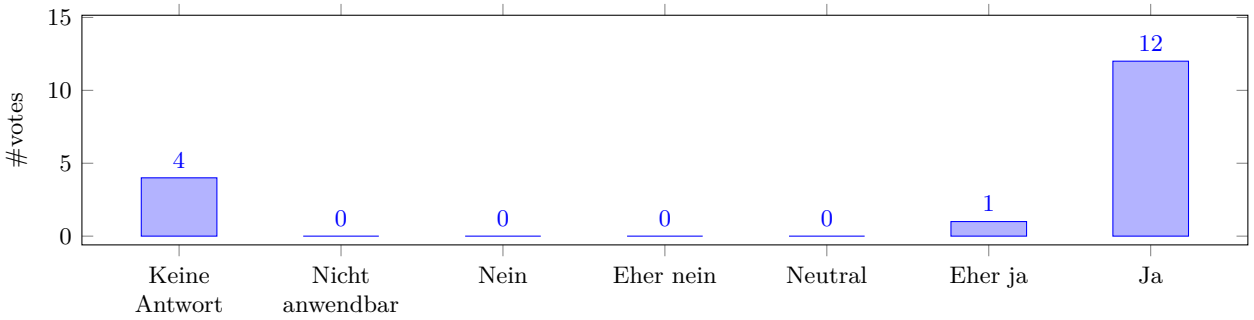
4.6 Die Interaktivität im Tutorium war...



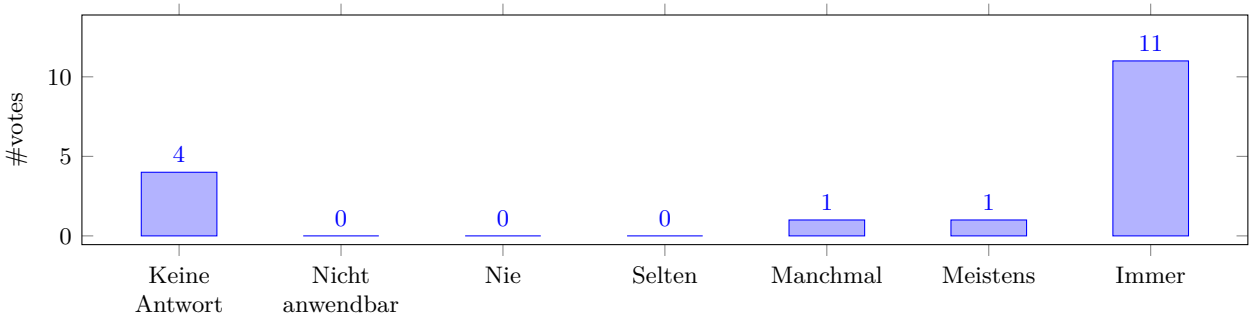
4.7 Wie beurteilst du die Größe deines Tutoriums? Die Größe war...



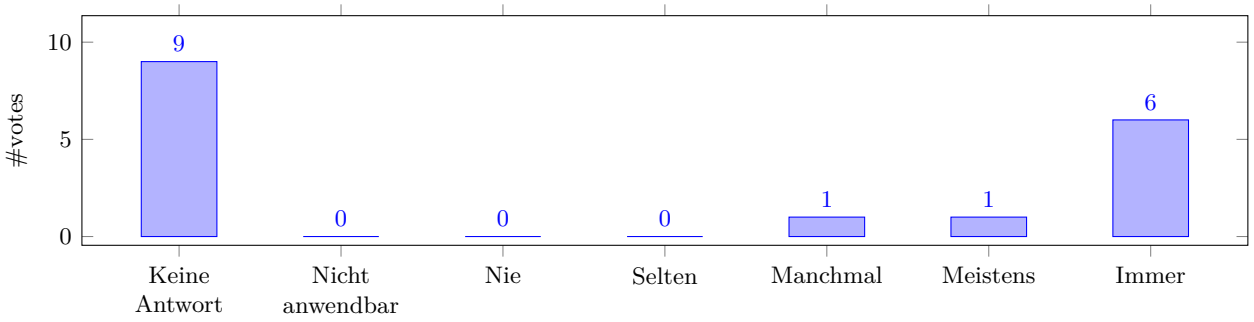
4.8 Ist der:die Tutor:in fachlich kompetent?



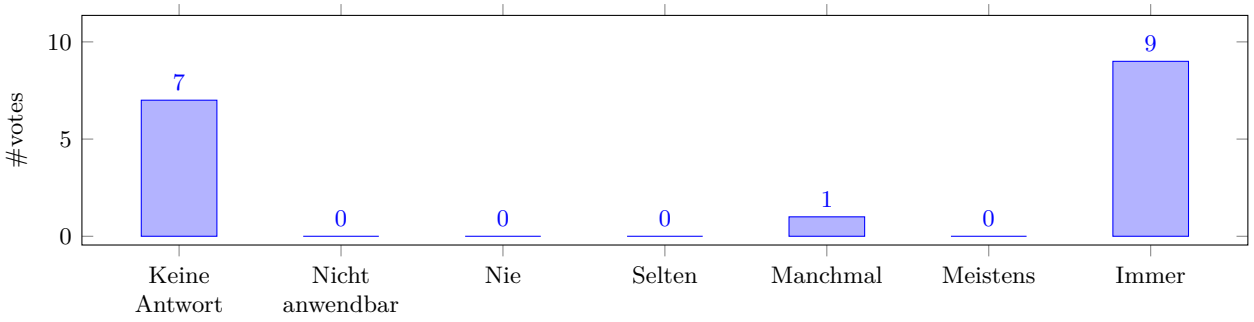
4.9 Ist der:die Tutor:in zufriedenstellend und verständlich auf Fragen eingegangen?



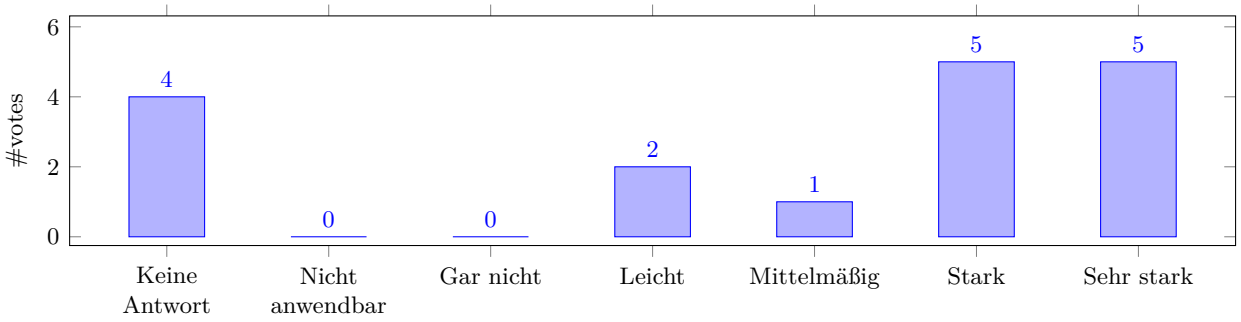
4.10 War der:die Tutor:in außerhalb des Tutoriums für Fragen etc. erreichbar?



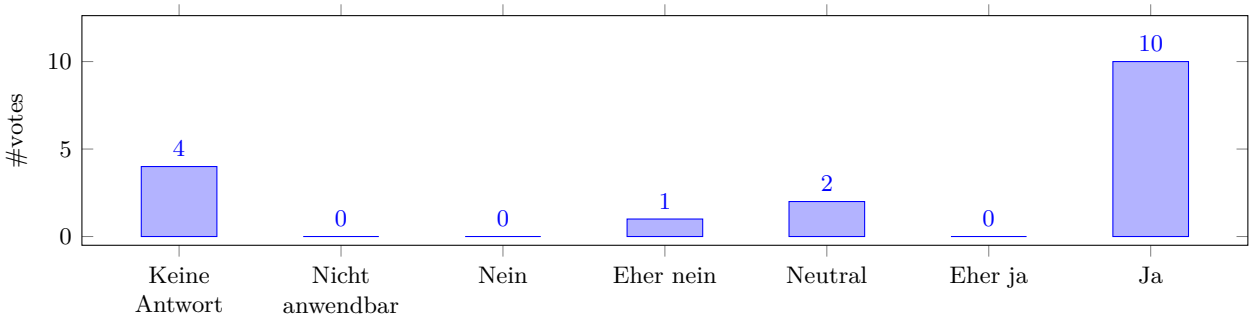
4.11 Waren die Korrekturen des:der Tutor:in von Übungsaufgaben nachvollziehbar?



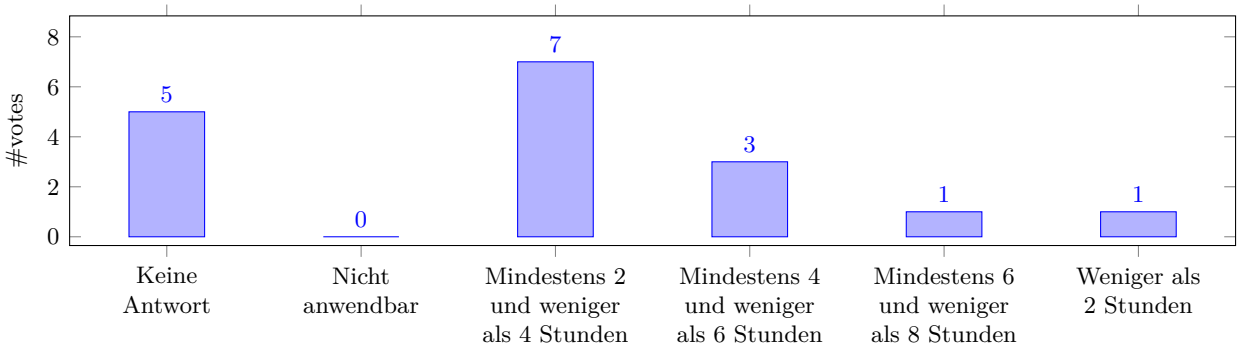
4.12 Wie sehr haben dich die Tutorien beim Erreichen des Lernziels unterstützt?



4.13 Hast du dich in deinem Tutorium wohl gefühlt?



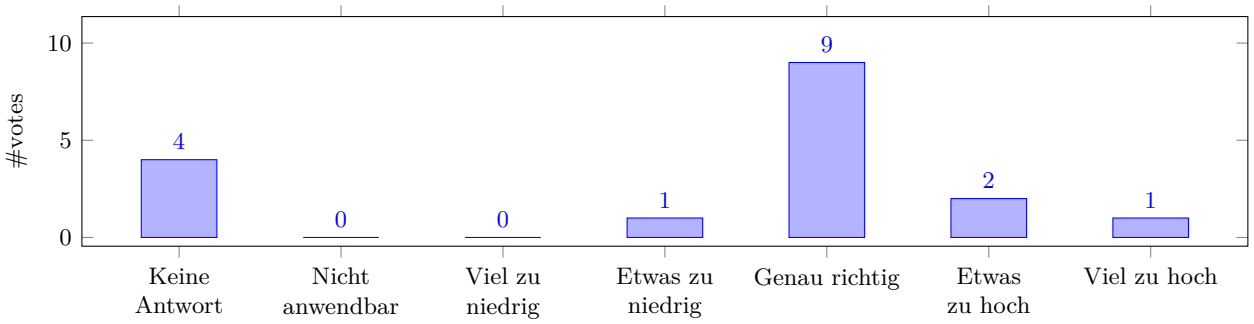
4.14 Wie viele Stunden hast du insgesamt für Tutorium und Übungsaufgaben pro Woche aufgewendet?



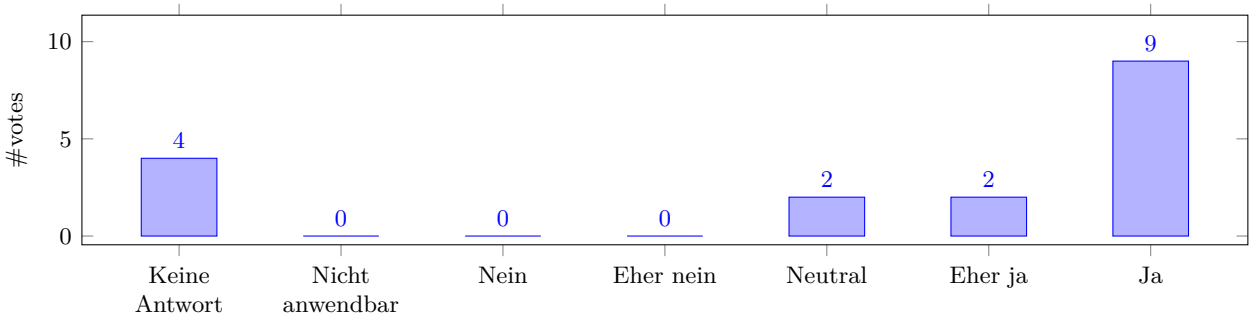
4.15 Ein guter und respektvoller Umgang miteinander ist uns sehr wichtig. Gab es deiner Meinung nach in den Tutorien Situationen, bei denen dies nicht gegeben war? Du kannst diese hier schildern, oder dich auch vertraulich an die Fachschaft oder die Studienberatung der Informatik wenden.

5 Modul

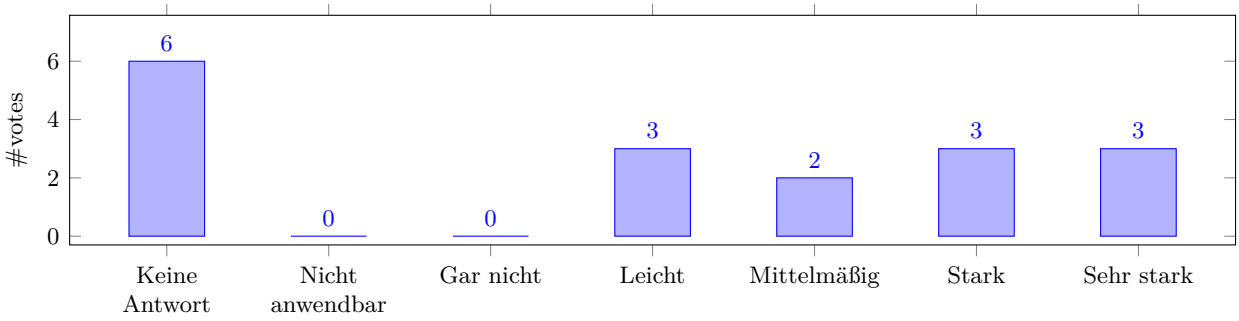
5.1 Der inhaltliche Umfang des Moduls war...



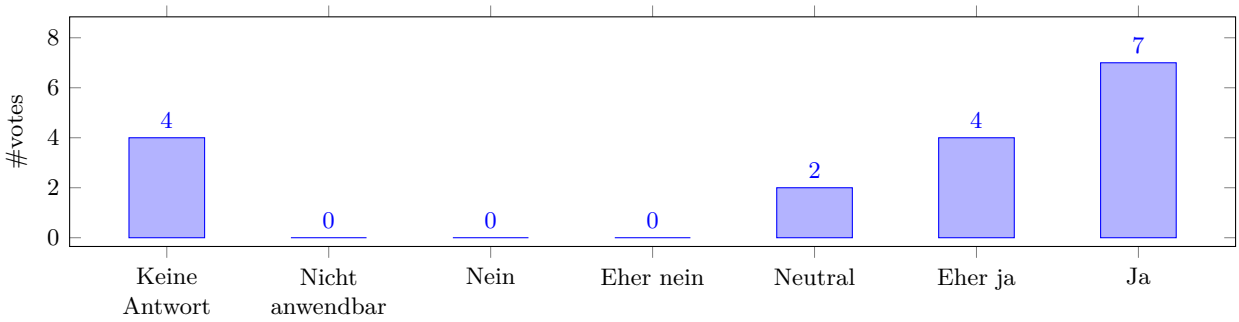
5.2 Folgte der Aufbau des Moduls einem klar erkennbaren Konzept und einer logischen Abfolge?



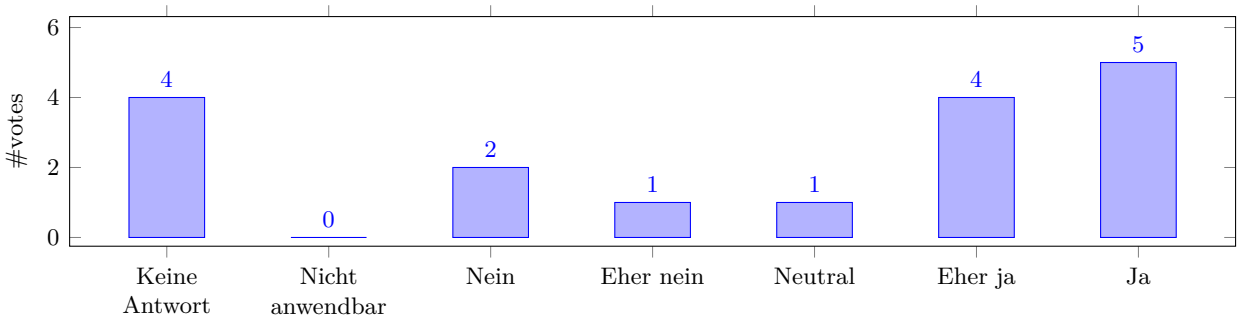
5.3 Wie sehr wurden die Inhalte des Moduls in einem übergeordneten Kontext motiviert (z. B. durch einen Forschungs-/Praxisbezug)?



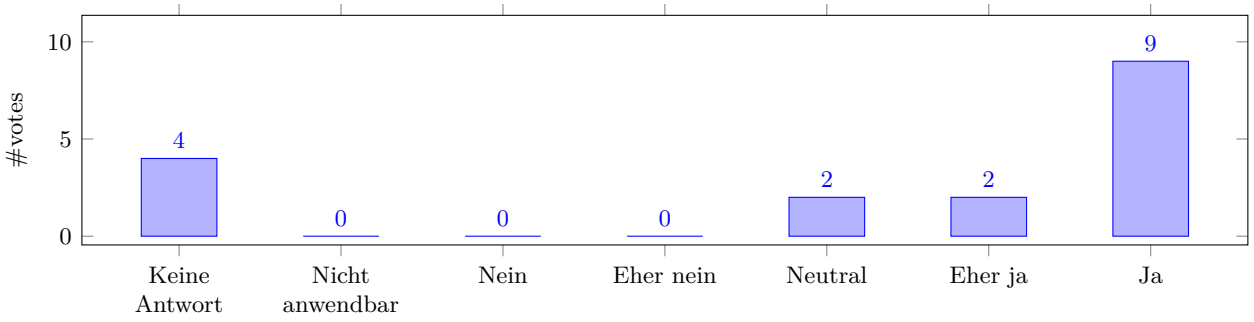
5.4 Denkst du, dass du das Lernziel des Moduls erreicht hast?



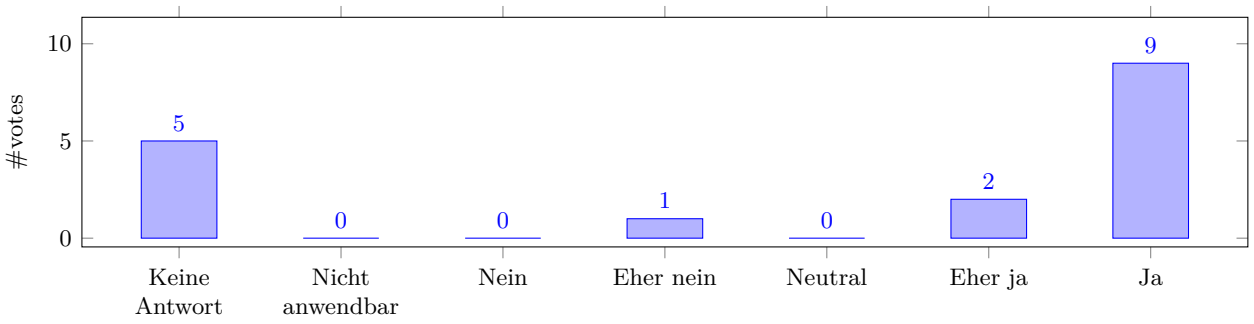
5.5 Fühlst du dich gut auf die Prüfung vorbereitet?



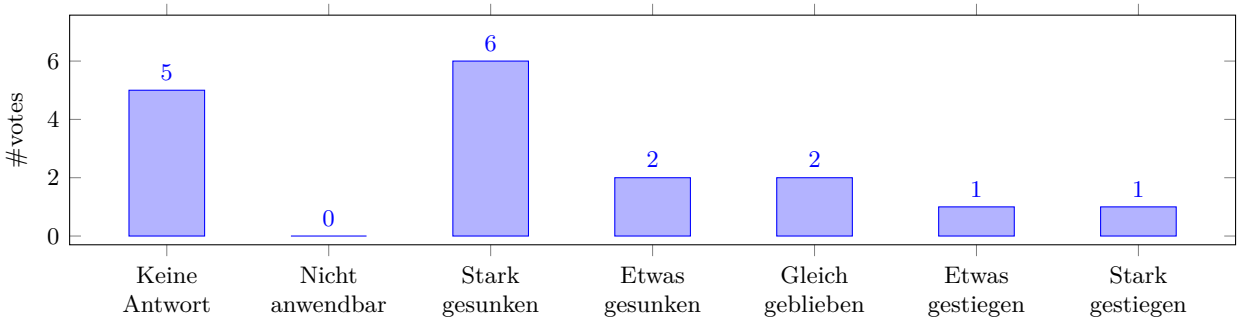
5.6 Hat das Modul deine Erwartungen erfüllt?



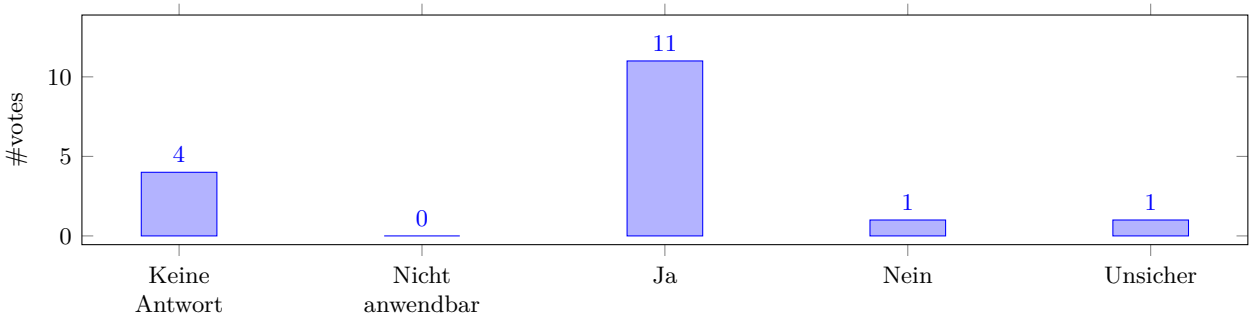
5.7 Würdest du dieses Modul weiterempfehlen?



5.8 Dein Interesse für dieses Thema ist...



5.9 Hältst du es für angemessen, dem:der Dozent:in eine Auszeichnung (Lehrpreis) für diese Vorlesung zu verleihen?



5.10 Hältst du es für angemessen, dem:der Dozent:in eine Auszeichnung (Lehrpreis) für diese Vorlesung zu verleihen? [Kommentar]

Great teaching style and enthusiastic presentation of probably quite dry topics.
Der Dozent macht die besten Vorlesungen. Er hat große Ahnung vom Fach und kann sich gleichzeitig auf die simpleren Fragen von Studierenden einlassen.
One of the best professors at the university—he has a deep understanding of the material and puts genuine effort into making complex topics accessible. His lectures are outstanding because he doesn't just repeat the same explanations from the notes; instead, he enriches them with additional insights, finer details, and meaningful connections to other concepts. This makes attending his lectures far more valuable than simply reading the notes. The course itself is well-structured, with excellent lecture materials, but his dynamic teaching style truly elevates the learning experience.

Lecturer is excellent at breaking down complicated topics into digestible pieces of information. You can tell that he spent a lot of time polishing the way he can present the materials. He broke down proofs in sensible ways, defined helpful variable to simplify proofs, drew diagrams were possible, which made the lecture overall very easy to follow. He simplified some of the materials, but he nodded to what was simplified and how the given materials can be extended so that the content still felt satisfying to listen to.

6 Freitextkommentare

6.1 Was hat dir an diesem Modul gefallen?

Great script Very good lectures & lecturer Very good exercise sessions & tutorer Exercise sessions always repeated the lecture concepts which helped a lot.
Alles
The general topic, the lecturers presentation style and much more. The lecture goes into deeply into the theory behind all these ideas without becoming overwhelming or too hard to follow.
Really nice structure overall and a great script.
Clear communication via eCampus, good organization of course.
That the lectures are done on a whiteboard with no slides. Helps to keep me more engaged and to show how we get to certain results
The topic was interesting (especially the probabilistic analysis part), and all theorems and proofs were understandably explained).
I really liked the way the content was laid out and explained with also explaining prerequisites of this course such as the probability theory which if it wasn't explained I would'vs had a hard time understanding the concepts and the lecture notes are perfect very good to develop a deep understanding of all of the course's content
- lecturer is very good at explaining - content seemed fun

6.2 Was hat dir an diesem Modul nicht gefallen?

I really enjoyed it most of the time. The amount of content could perhaps be reduced a little, but that is of course subjective
The tutorial was lacking in seriousness, and the time management therein was poor.
Everything is too theoretical
nothing

Some of the stuff we learnt was a bit random. Some of the results the lecturer decided to show us felt rather random. For example I have no idea why he showed us the connected component estimator. I guess he wanted to show us a sublinear algorithm, but the algorithm he showed us seemed like something that is rather useless in practice.

Why we covered what we covered also felt fairly random and unmotivated at parts. We jumped from topic to topic (especially for the randomized alg. section): We did probability, then mincut, resevoir problem, then quicksort, then back to graph algorithms, then routing in hypercubes (how is this useful???), then random walk on satisfiability... Where is the connection? Why these topics? (The smoothed analysis section felt a lot less pieced together and I really enjoyed it.)

It felt a bit weird to skip 3-4 lectures and then skip chapter 8, because of that.

6.3 Was könnte in Zukunft verbessert werden?

Some practice questions that align with the lecture concepts but vary in difficulty, designed to help apply the ideas to analyzing new algorithms. Also detailed solutions for the exercise sheets.

I feel like this lecture should be split in 2 parts: one of randomized algorithms and one on smoothed analysis. It felt a bit weird to combine those two, especially since I would have liked to hear more on both topics (in both more depth and breadth).

I feel like, if given more time, the randomized algorithm section could have felt less pieced together. It felt like we covered a lot of random results. With more time these results could have maybe been placed into their context. It also felt like we were given a random ïnteresting selectionöf randomized algorithms with a lot more of them existing with just time lacking to cover them. the lecturer often gave us AN algorithm to solve things, indicating that there are better results out there. With more time some of the harder results could have been covered. Some of the analysis seemed like it had been oversimplified, potentially sacrificing theoretical results.

The smoothed analysis section felt well put together, but was too short. I am unhappy I didn't get too see a full proof for the smoothed analysis of the simplex algorithm. Some of the results were also HEAVILY simplified. For example for the binary linear opt. problems, we didn't show it for psuedo-polynomial results and didn't introduce the complexity classes properly. The TSP 2-OPT analysis was also heavily oversimplified. It would have been cool, if an extension or the materials in full formality existed in the lecture notes at least.

The lecture notes are a bit weird. The main takeaway points are listen as äpplication". They are also rather wordy, which is great if you missed a lecture and have problems understanding the materials, but slightly annoying, if you want to use them to prepare for the exam. The amount of detail in them is also slightly inconsistent. Some parts feel like a brief summary while other parts over-explain things. It is although not strictly necessary to change them, since they are complete, understandable and do their job.

6.4 Hier hast du Platz für weitere Anmerkungen und Feedback zum Modul.

6.5 Hier hast du Platz für Anmerkungen und Feedback zur Gestaltung der Vorlesungsumfrage.

let me comment text about the tutor
(he was good: he always recapped the lecture in a very nice way)