



Karlsruher Institut für Technologie  
(KIT)  
Kaiserstrasse 12  
76131 Karlsruhe

Karlsruher Institut für Technologie (KIT)

Dear Mr. Dr. -Ing. Julius Pfrommer (as private and confidential)

## Auswertungsbericht Lehrveranstaltungsevaluation an die Lehrenden

Dear Mr. Dr. -Ing. Pfrommer,

mit diesem Schreiben erhalten Sie die Ergebnisse der automatisierten Auswertung Ihrer Lehrveranstaltung „Optimization Methods for Machine Learning and Engineering“.

Ihre Lehrveranstaltung „Optimization Methods for Machine Learning and Engineering“ hat den Lehrqualitätsindex

LQI = 99.3.

Die Auswertung zu Ihrer Lehrveranstaltung gliedert sich in folgende Abschnitte:

Zu Beginn der Auswertung werden die Ergebnisse der Befragung in Form von Häufigkeitstabellen dargestellt. Bei allen Fragen wird die Anzahl der abgegebenen Antworten (n) angezeigt. Bei den 5er-Skalafragen finden Sie zusätzlich neben dem Histogramm den Mittelwert (mw) und die Standardabweichung (s) der jeweiligen Frage. Neben manchen Fragen finden Sie zudem ein Ampelsymbol abgebildet. Diese Fragen dienen der Qualitätssicherung der Lehre. Im vorletzten Teil werden sämtliche 5er-Skalafragen in einem Profilliniendiagramm abgebildet. Zuletzt sind die Antworten zu den offenen Fragen aufgelistet.

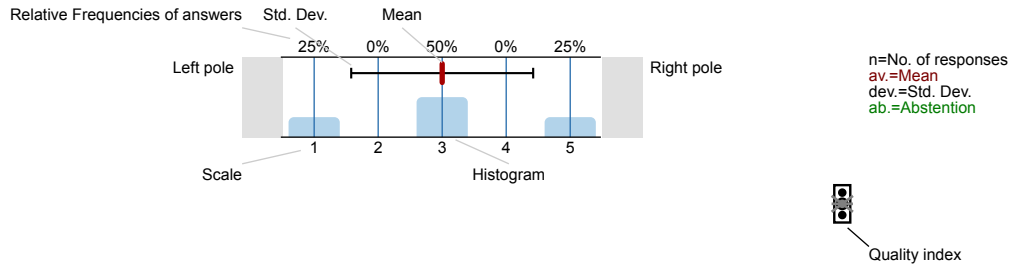
Mit freundlichen Grüßen,  
Ihr Evaluationsteam



Survey Results

Legend

Question text



Description of quality symbol

Mean value is below the quality guideline.

Mean is within the range of tolerance for the quality guideline.

Mean value is within the quality guideline.

1. Introduction

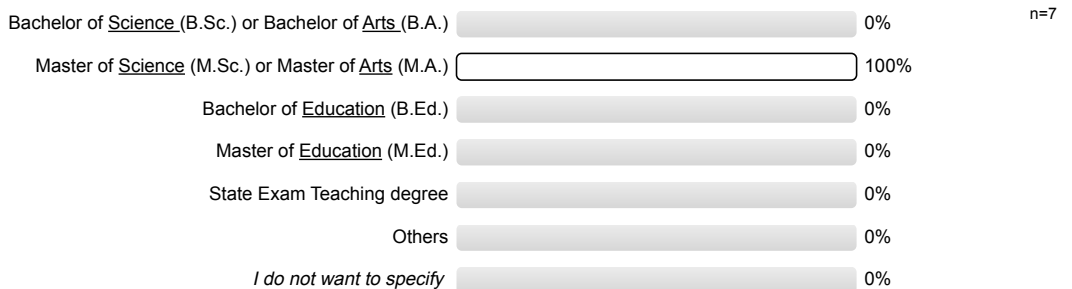
Dear Students.

with this survey, we ask you for your contribution to our systematic approach of course evaluations at KIT, which are one important part of quality assurance and development system.

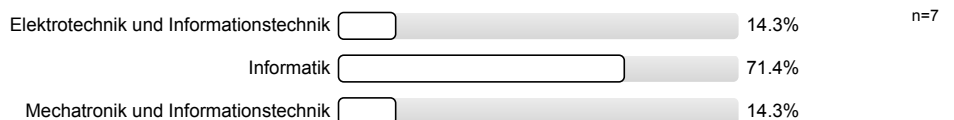
**Participation** in the survey is **voluntary**. The survey is **anonymous**. **No attempt** will be made based on the information you have provided to **draw conclusions about specific persons**. The **evaluation results** will be published in an **anonymous form** (in tables and / or graphics), so that it is not possible to draw conclusions about individuals. Please do not enter any personal data, even from other persons, in the free text fields. In accordance with Art. 4 para. 1 of the "Datenschutz-Grundverordnung" (DS-GVO, General Data Protection Regulation), personal data describe all kind of information which relate to an identified or identifiable natural person. A natural person is considered as being identifiable, directly or indirectly, as soon as this natural person can be identified by means of in particular an identifier such as a name, an identification number, location data, an online identifier or one or more special characteristics expressing the physical, physiological, genetic, mental, economic, cultural or social identity.

2. Questions Relating to Studies

2.1) Which degree do you wish to acquire?



2.3) Choose your subject:

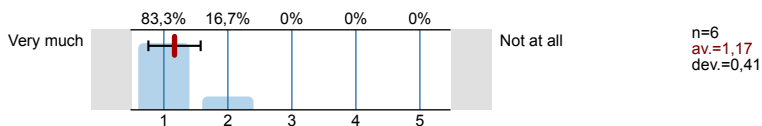


2.5) What is your semester?

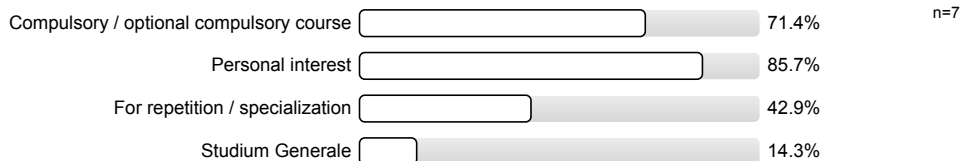


3. Questions Relating to the Course

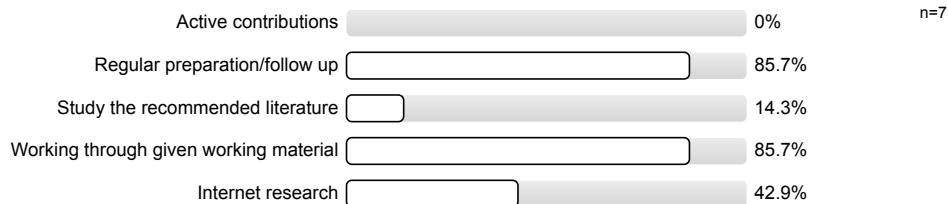
3.1) How much do you enjoy attending this course?



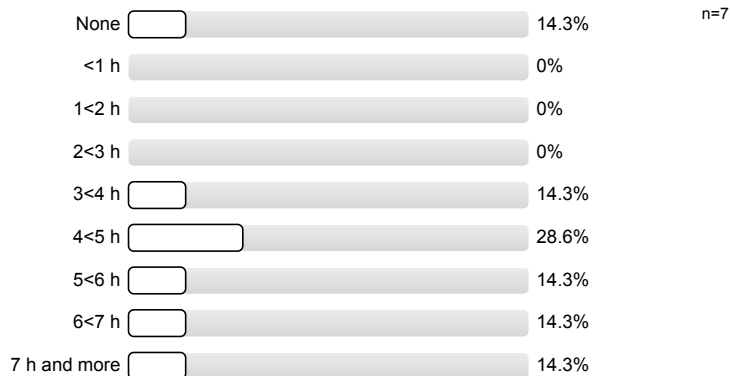
3.2) Why do you attend this course? (Multiple choice)



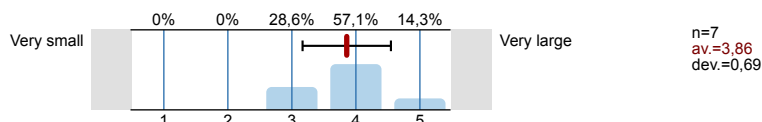
3.3) My commitment to this course is reflected by: (Multiple choice)



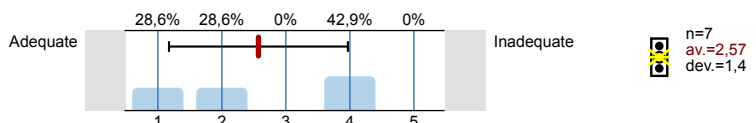
3.4) How many hours per week have you put, on average, into your preparation and follow-up for this course, so far?

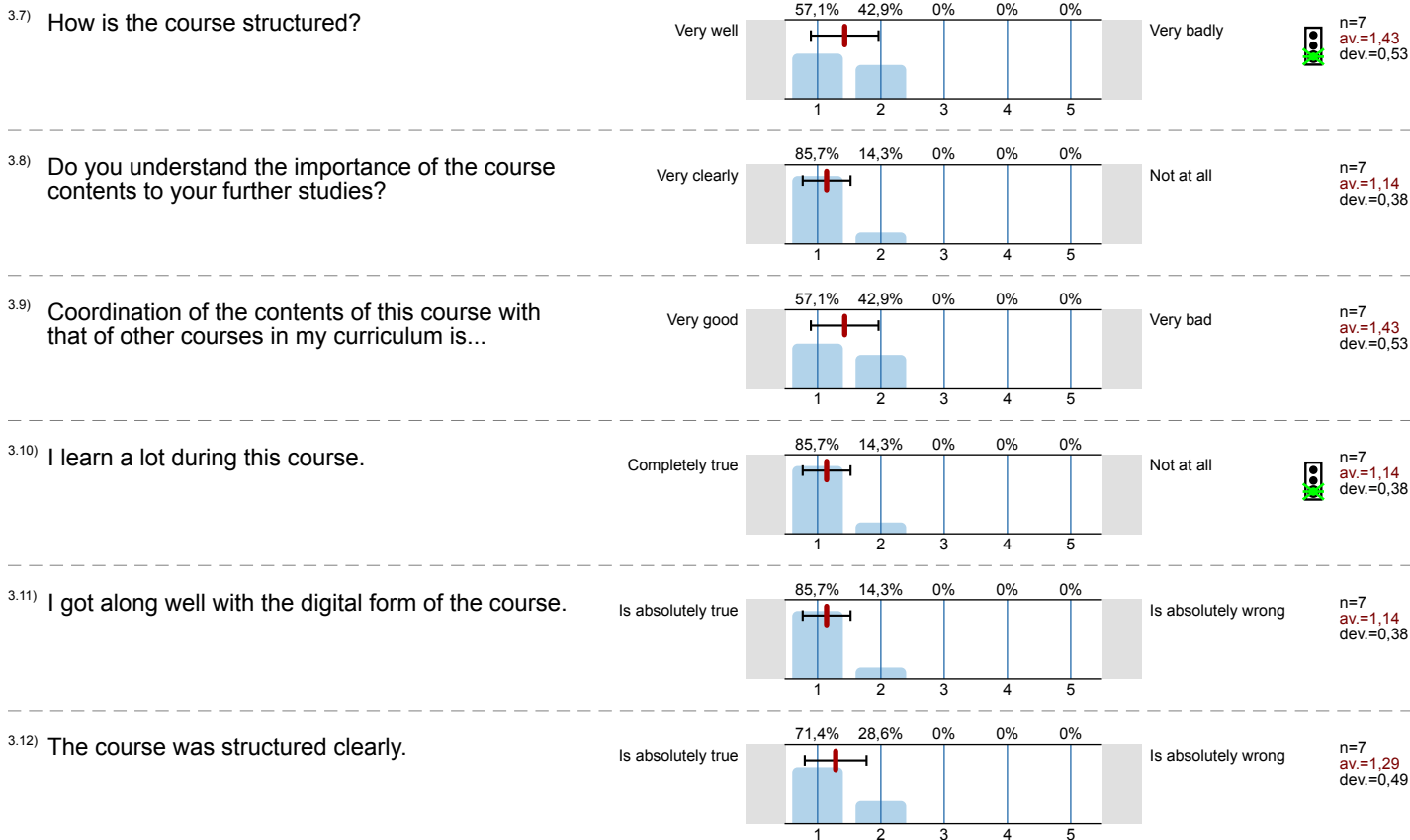


3.5) How large is the amount of work for this course?

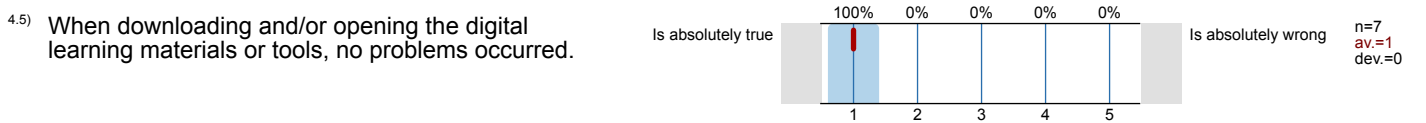
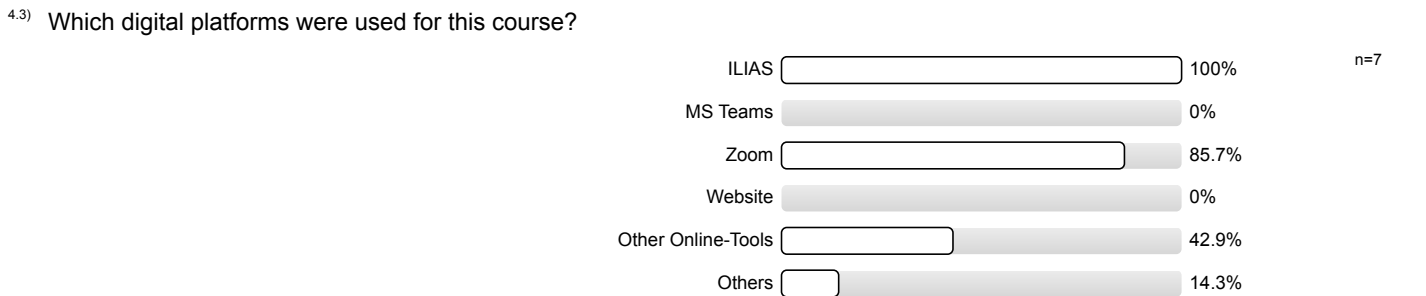
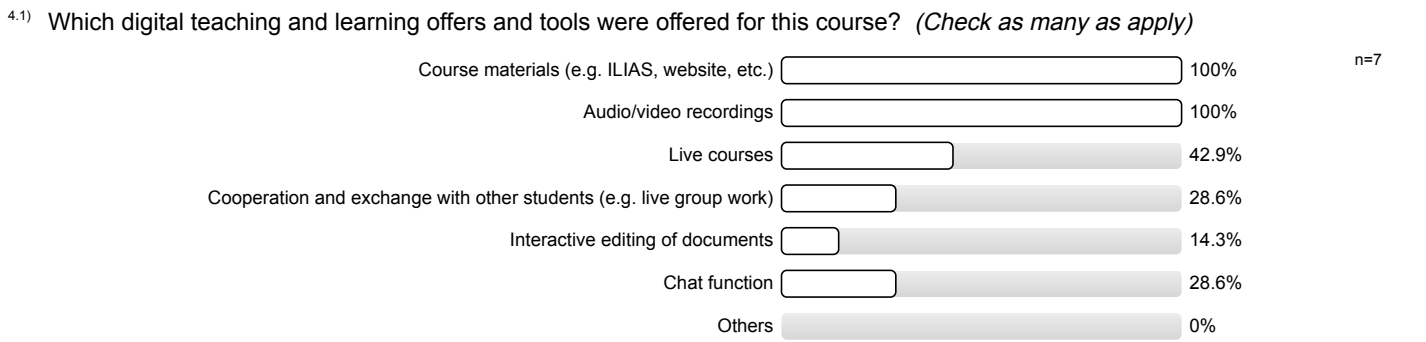


3.6) The amount of work required for this course is...



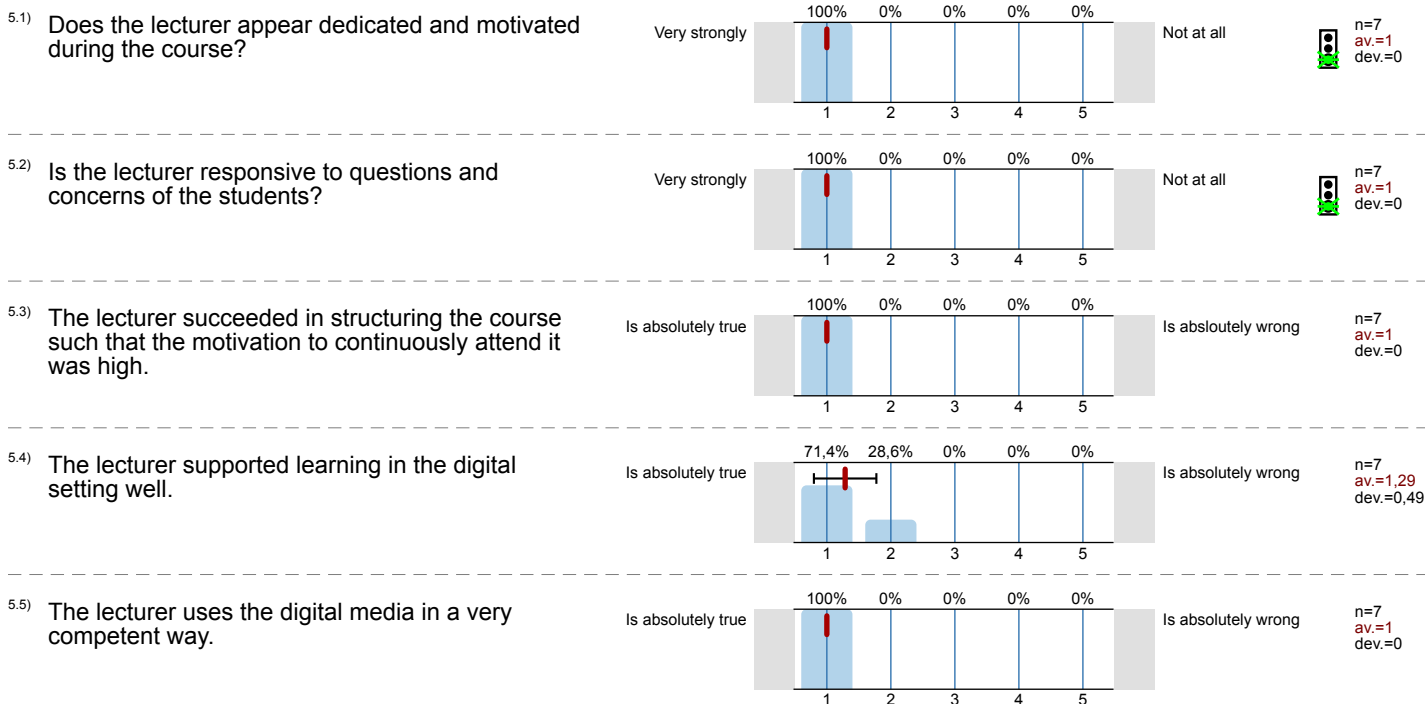


4. Questions Relating to Digital Teaching



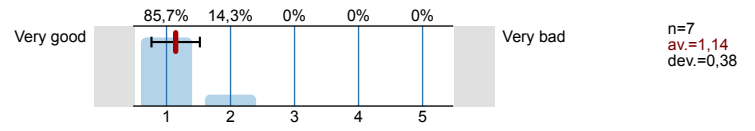


5. Questions Relating to the Lecturer



6. Questions Concerning the Overall Evaluation of the Course

6.1) Please rate the course as a whole.

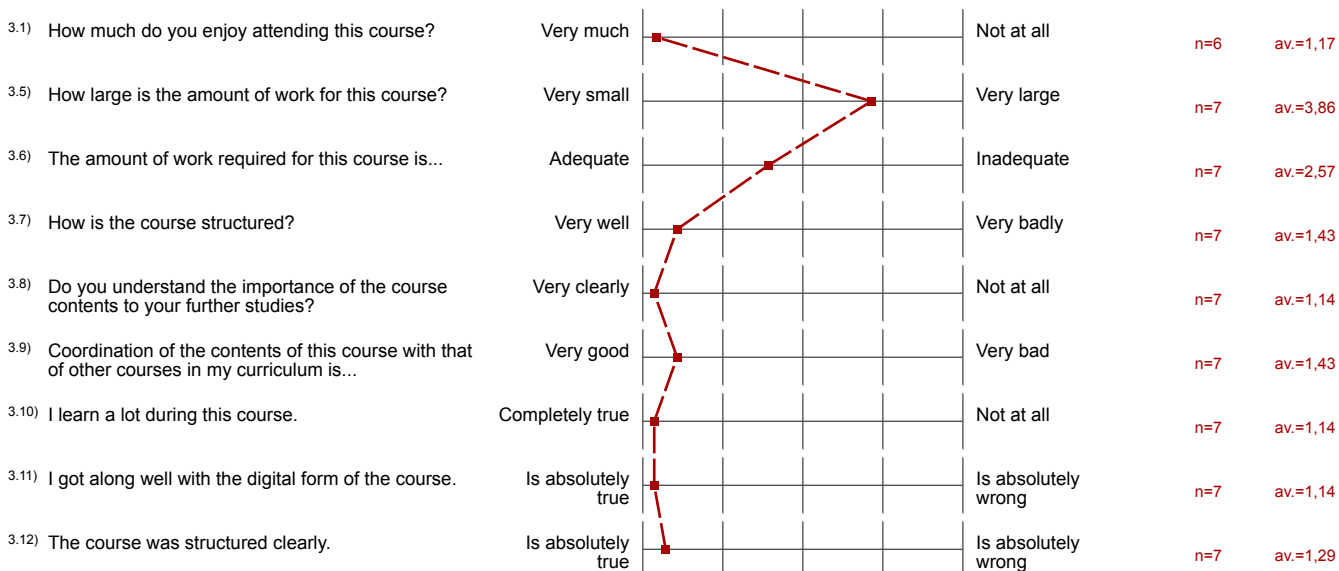


# Profile

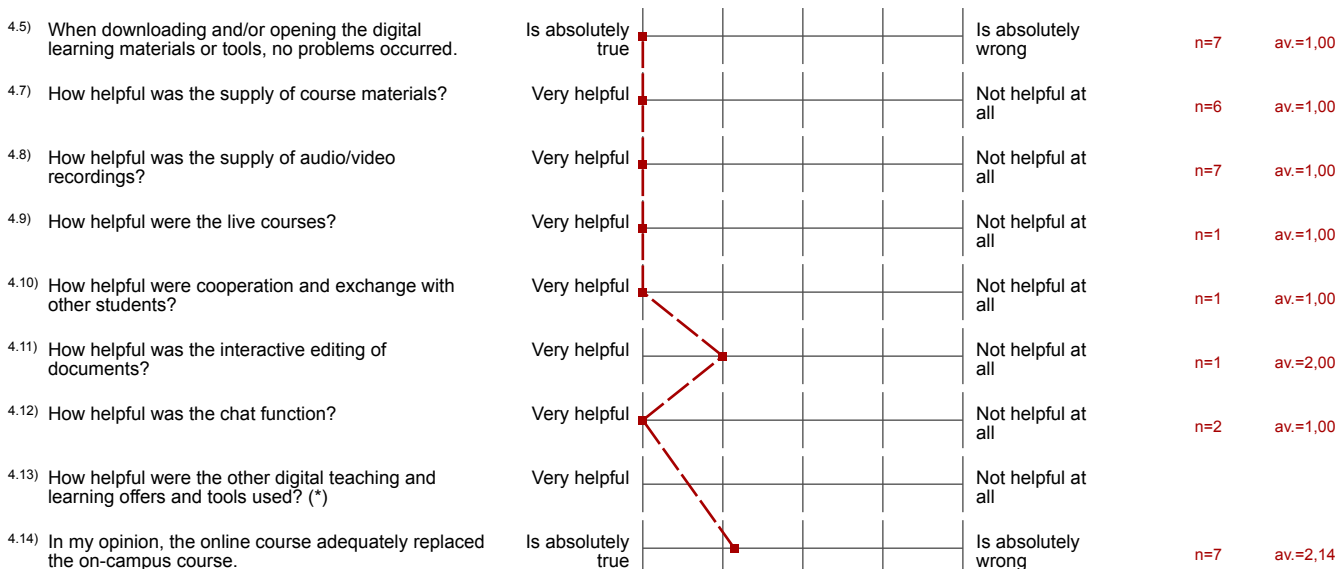
Subunit: 01. WiSe 2020/21 Informatik  
 Name of the instructor: Dr. -Ing. Julius Pfrommer  
 Name of the course: Optimization Methods for Machine Learning and Engineering  
 (Name of the survey)

Values used in the profile line: Mean

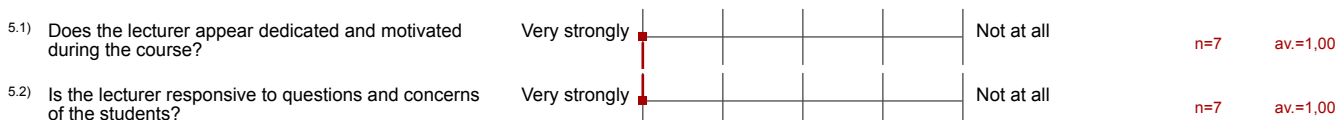
## 3. Questions Relating to the Course





## 4. Questions Relating to Digital Teaching



## 5. Questions Relating to the Lecturer



5.3) The lecturer succeeded in structuring the course such that the motivation to continuously attend it was high.	Is absolutely true		Is absolutely wrong	n=7	av.=1,00
5.4) The lecturer supported learning in the digital setting well.	Is absolutely true		Is absolutely wrong	n=7	av.=1,29
5.5) The lecturer uses the digital media in a very competent way.	Is absolutely true		Is absolutely wrong	n=7	av.=1,00

## 6. Questions Concerning the Overall Evaluation of the Course

6.1) Please rate the course as a whole.	Very good		Very bad	n=7	av.=1,14
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# Comments Report

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## 2. Questions Relating to Studies

## 3. Questions Relating to the Course

3.13) The following support would have been helpful:

- A clear upload schedule would have been nice
- recordings of the exercise session!! i had two live sessions at the same time and could not always attend. being able to use the microphone is worth nothing compared to having recordings.

## 4. Questions Relating to Digital Teaching

4.4) Which other digital platforms were used for this course?

- Videos on Youtube

4.15) Which aspects might have been improved, which aspects did you miss?

- recordings of the exercise sessions

4.16) Do you have further remarks relating to the digital teaching and learning offers and tools?

- Love the high-quality videos on YouTube, plus points for being openly available. Bonus for topic wise 20min video split instead of 90-min blocks

## 6. Questions Concerning the Overall Evaluation of the Course

6.2) In particular, I liked:

- Good explanations and mostly well divided and digestible lecture recordings
- Zum aktuellen Stand ist dieses Modul eines der besten Kurse, die ich bisher besucht habe - Bachelor und Master eingeschlossen. Die Gründe hierfür sind vielfältig. Auf medialer Seite ist zu erwähnen, dass die Folien ordentlich aussehen und neben veranschaulichenden Grafiken auch wirklich einen Großteil des Inhaltes der Vorlesung enthalten, sodass man diese optimal zum Vorbereiten eben dieser nutzen kann. Weiterhin gefallen hat mir die inhaltliche Breite sowie der Trade-off zur Vertiefung der einzelnen Themen. Für jemanden, der bisher nur wenig mit mathematischer Optimierung gearbeitet hat, jedoch schon einige Machine Learning Vorlesungen besucht hatte, hat der Kurs eine maßgebliche Erweiterung meines Wissensstandes dargestellt. Mir fällt keine andere Möglichkeit ein, innerhalb von 5 ECTS einen Studenten so tief in viele neue Themen einzuführen und es ihm zu ermöglichen, dass er in diesen Themen auch mitreden kann. Beispiel: Obwohl ich vorher noch nie etwas in Richtung Portfolio-Optimierung gehört hatte, war es mir nach 2 Stunden (Vorlesung und Übung) möglich mich mit bekannten M.Sc. Finance Studenten über die Grundlagen dieser Thematik sowie möglichen Erweiterungen und Optimierungen auszutauschen. Daher für jeden Masterstudenten eine absolute Empfehlung.
- very well structured course  
good mix between presentation of theory and applications  
direct relation between lecture content and programming exercises

6.3) In particular, I did not like:

- Eine kleine organisatorische Anmerkung: Das Modul ist nicht unter den Modulen für das KI-Profil im M.Sc. Informatik gelistet, würde dort aber meiner Meinung nach passen.
- Few preparation materials for an exam which has no materials from previous years