

Deep Learning for Visual Recognition – Dr. Michael Weinmann

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Lecture Survey – Fachschaft Informatik

May 8, 2019

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

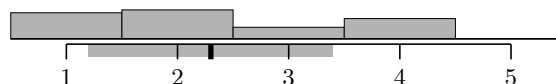
1.1.1 How often did you attend the lecture?

Always – Never 30% 33% 13% 23% 0%

Answers: 30

Mean: 2.3

Standard-Deviation: 1.1



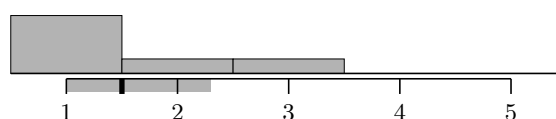
1.1.2 Did the lecture appear to be clearly structured to you?

Yes – No 67% 17% 17% 0% 0%

Answers: 30

Mean: 1.5

Standard-Deviation: 0.8



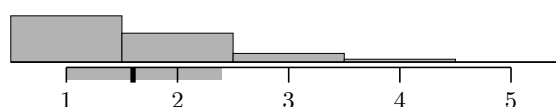
1.1.3 Have topics been illustrated by sensible examples?

Always – Never 53% 33% 10% 3% 0%

Answers: 30

Mean: 1.6

Standard-Deviation: 0.8



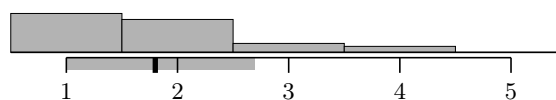
1.1.4 Were the slides/lecture notes helpful?

Very helpful – Not helpful 45% 38% 10% 7% 0%

Answers: 29

Mean: 1.8

Standard-Deviation: 0.9



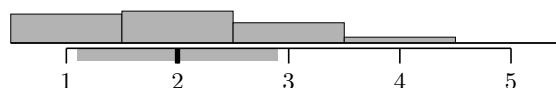
1.1.5 Have the topics been explained extensively enough?

Always – Never 33% 37% 23% 7% 0%

Answers: 30

Mean: 2.0

Standard-Deviation: 0.9



2 Lecturer Evaluation

2.1 Please rate Dr. Michael Weinmann.

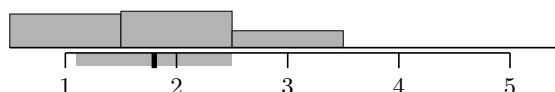
2.1.1 How much of the content do you understand during the lecture?

Everything – Nothing 39% 42% 19% 0% 0%

Answers: 31

Mean: 1.8

Standard-Deviation: 0.7



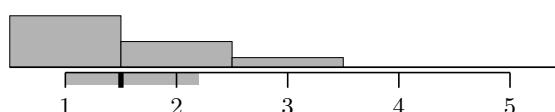
2.1.2 Did the lecturer answer your questions profoundly?

Always – Never 59% 30% 11% 0% 0%

Answers: 27

Mean: 1.5

Standard-Deviation: 0.7



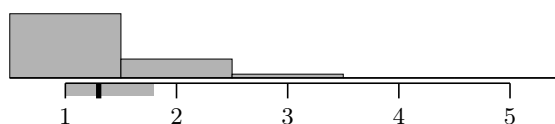
2.1.3 Was the lecturer available for questions outside of the lecture?

Always – Never 74% 22% 4% 0% 0%

Answers: 23

Mean: 1.3

Standard-Deviation: 0.5



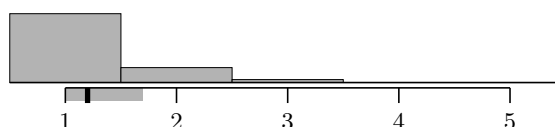
2.1.4 Could you understand the lecturer acoustically?

Very well – Not at all 79% 17% 3% 0% 0%

Answers: 29

Mean: 1.2

Standard-Deviation: 0.5



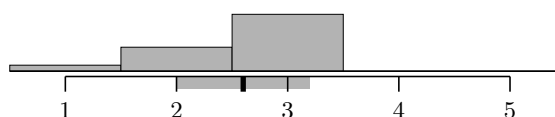
2.1.5 The speed of proceeding was...

Too fast – Too slow 7% 28% 65% 0% 0%

Answers: 29

Mean: 2.6

Standard-Deviation: 0.6



3 Module Evaluation

3.1 Please rate the module as a whole.

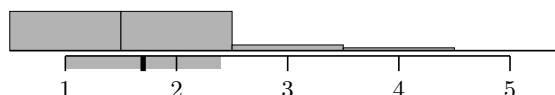
3.1.1 Did the course teach you helpful knowledge and abilities that will be useful in later work life?

Much – Nothing 45% 45% 7% 3% 0%

Answers: 31

Mean: 1.7

Standard-Deviation: 0.7



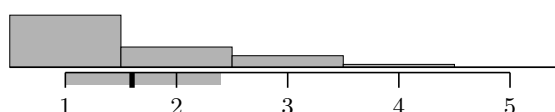
3.1.2 Do the obligatory course achievements support successful completion of the module?

Yes – No 60% 23% 13% 3% 0%

Answers: 30

Mean: 1.6

Standard-Deviation: 0.8



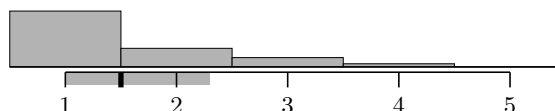
3.1.3 Do you think the obligatory course achievements are adequate?

Yes – No 64% 21% 11% 4% 0%

Answers: 28

Mean: 1.5

Standard-Deviation: 0.8



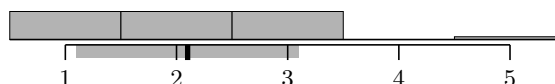
3.1.4 Did your interest in this module's field of study change?

Strongly inc. – Strongly dec. 32% 32% 32% 0% 3%

Answers: 31

Mean: 2.1

Standard-Deviation: 1.0



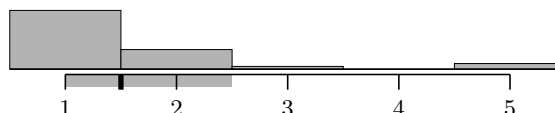
3.1.5 Would you recommend taking this module to your best friend?

Yes – No 68% 23% 3% 0% 7%

Answers: 31

Mean: 1.5

Standard-Deviation: 1.0



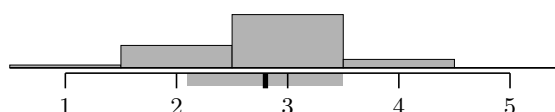
3.1.6 In relation to the number of credit points awarded, is the amount of work to be done justified?

Too high – Too low 3% 26% 61% 10% 0%

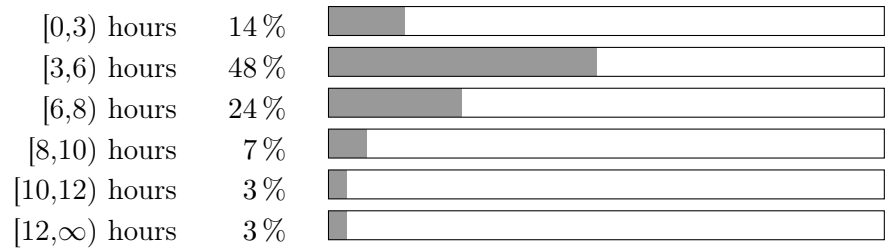
Answers: 31

Mean: 2.8

Standard-Deviation: 0.7



3.2 How much time did you spend on this module every week, including lecture, exercises, exercise tasks...?



4 Exercise Evaluation

4.1 Please rate the quality of the exercises that accompanied the lecture.

4.1.1 How often did you attend the exercise class?

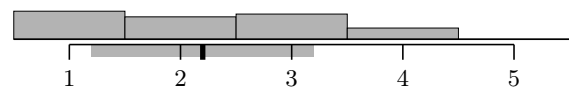
Always – Never

32 % 26 % 29 % 13 % 0 %

Answers: 31

Mean: 2.2

Standard-Deviation: 1.0



4.1.2 Have the exercise sheets been available on time?

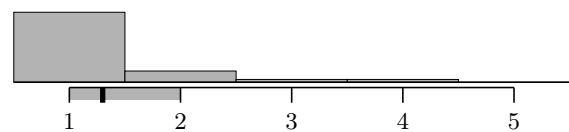
Always – Never

81 % 13 % 3 % 3 % 0 %

Answers: 31

Mean: 1.3

Standard-Deviation: 0.7



4.1.3 The difficulty of the exercise sheets varied...

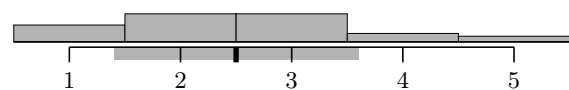
Not at all – Greatly

19 % 32 % 32 % 10 % 7 %

Answers: 31

Mean: 2.5

Standard-Deviation: 1.1



4.1.4 Did the contents of the exercises match the current contents of the lecture?

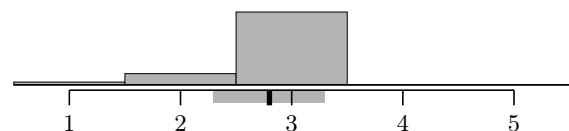
Lecture far ahead – Lecture far behind

3 % 13 % 84 % 0 % 0 %

Answers: 31

Mean: 2.8

Standard-Deviation: 0.5



4.1.5 Judge the size of your exercise group!

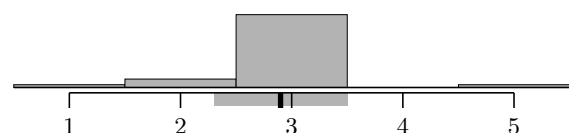
Too big – Too small

3 % 10 % 84 % 0 % 3 %

Answers: 31

Mean: 2.9

Standard-Deviation: 0.6



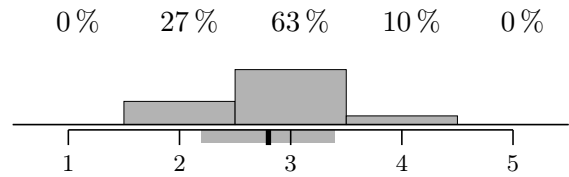
4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

Answers: 30

Mean: 2.8

Standard-Deviation: 0.6



5 Exercise Class Evaluation

5.1 Please rate the exercise class you visited.

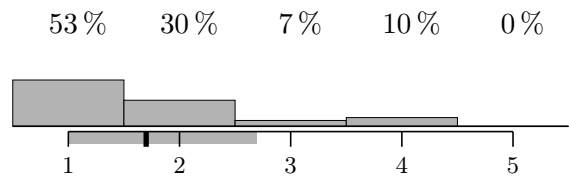
5.1.1 Has the tutor been available for questions outside of the tutorial?

Always – Never

Answers: 30

Mean: 1.7

Standard-Deviation: 1.0



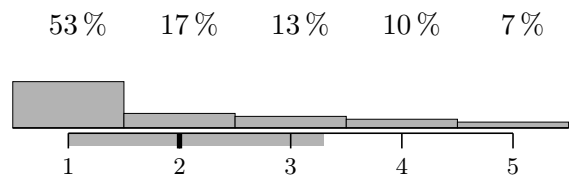
5.1.2 Could you understand your tutor's corrections and gradings?

Always – Never

Answers: 30

Mean: 2.0

Standard-Deviation: 1.3



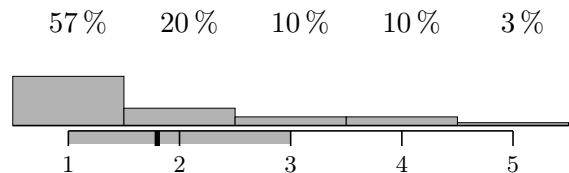
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

Answers: 30

Mean: 1.8

Standard-Deviation: 1.2



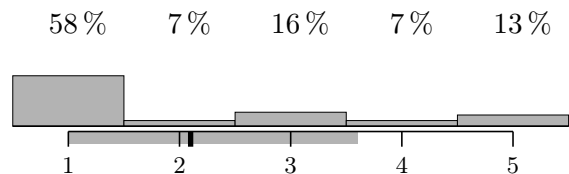
5.1.4 Would you recommend visiting this exercise class?

Yes – No

Answers: 31

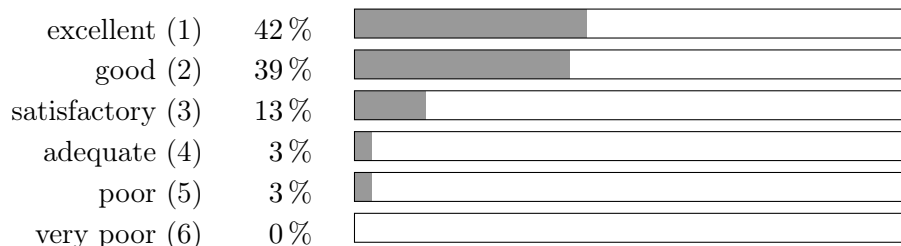
Mean: 2.1

Standard-Deviation: 1.5



6 Comprehensive Rating

6.1 Please give an overall rating of the course on a scale from excellent (1) to very poor (6).



7 Free Text Comments

7.1 Which aspects of the course did you like?

content was good

learning about deep learning models

The content was pretty good

I really like that we were able to apply our knowledge during the exercises (especially practical exercises)

- state-of-the-art topic
- project topics are very trendy and cool
- instead of implementation, this course focuses on experimentation which is perfect!

Practical exercises

Nice topic selection

Well made slides

DL projects and programming assignment

Good overview of most deep learning concepts

Very useful tips for implementing Machine Learning Algorithms!

Helps me in practice!

The slides.

interesting lecture

7.2 What could be improved?

Explaining the mathematical derivations in more detail would be better

Give the project some weight for the final grade so students can be more motivated

The notations in the slides & exercises could be consistent so that it can be better understandable

Theoretical exercises were tedrup. More information on resulariration

Slides available before lecture

In certain parts it woud be helpful if material is not simply read from the slides: rather give a different explanation possibly with examples

Maybe real exercise classes would be better

- The 5 minute exercise groups are pretty useless
 - Please discuss the theoretical parts more detailed
 - The organization was really bad
-

the exercise

I didn't notice the tutors motivated

I would have been happy about some support for the projects

Organisation of the project. was really difficult to get just the system to run.

7.3 You can leave remarks and further feedback here.

The project should be graded as well and not just an eligibility for the final exam.

The exercises and solutions should be explained in the exercise classes instead of handing ones the solution handouts

- In exercise class, it would be better to explain the theoretical questions instead of just handing the answer sheet
 - And there should be some weightage of the project in the final exam
-

- perfect lecture
 - nice content
 - I wish throughout the years, one can always find the state-of-the-art topics in this lecture as well! :)
-

More time for GPU for DL projects

Often the lecturer seemed like he didn't rally know what he was talking about

Installation of packages and setting up of architecture to be able to run tests for project was not well assisted.

Lecturers' Questionnaire

This part contains data provided by the lecturers.

1 Lecture metadata

Number of students in the lecture at the beginning of the semester	70
Number of students in the lecture at the end of the semester	25
Number of students participating in the exercise classes at the beginning of the semester	65
Number of students participating in the exercise classes at the end of the semester	58
Number of students that have registered for the exam	59

2 Exercise classes

Number of exercise classes	28
Average number of students per exercise class at the end of the semester	58

The students have been assigned to an exercise class in the following way:

By putting their name into a list on paper.

3 Helpful stuff

There has been **no** test exam.

The students were provided with sample solutions for exercise tasks.

4 Free text comments

4.1 In your opinion, what aspects of the module worked well this semester?

Some of the presentations of the final projects were really nice. In general, the final projects seem to help students regarding the understanding of techniques that cannot be adequately discussed in the scope of standard exercise sheets.

Several students were highly motivated and there were a lot of discussions (also on topics to be addressed in follow-up lectures) beyond the lecture.

4.2 What would you change if you were to offer this module again and why?

I got feedback from students, that they would have needed more computing time on the server that has been bought for this course (when it was introduced by Prof. Yao). Given the fact, that we had around 60 students, I assume this can only be solved with a second processing server.

I would also try to get another assistant to better handle the rather large amount of students.

Several students were highly motivated to extend their final project beyond the required tasks. Some of them asked regarding the possibility to get an exam bonus for such extra achievements (in the future), which seems to be not possible at the University of Bonn.

4.3 In case there have been obligatory course achievements: Please judge on their effectivity regarding the learning success of the students.

The practical exercises and the final projects seemed to greatly support the students' understanding of the course materials.

I did not receive any complaints regarding the amount of exercises or a too high difficulty.

4.4 Further remarks

Whereas most of the students attending the lecture seemed to enjoy the lecture and seemed to be able to nicely follow the topics, 2-3 students were often disturbing.