Technical Neural Nets – Dr. Nils Goerke (durchführend)

Lecture Survey – Fachschaft Informatik

May 8, 2019

Turned in Questionnaires: 65

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

1.1.1 How often did you attend the lecture?
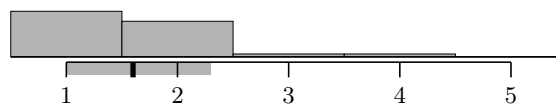
Always – Never   52 %   41 %   3 %   3 %   0 %

Answers: 61
Mean: 1.6
Standard-Deviation: 0.7

1.1.2 Did the lecture appear to be clearly structured to you?
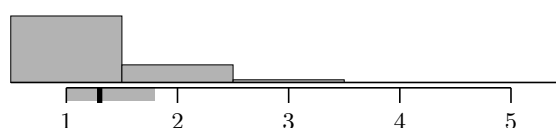
Yes – No   77 %   20 %   3 %   0 %   0 %

Answers: 64
Mean: 1.3
Standard-Deviation: 0.5

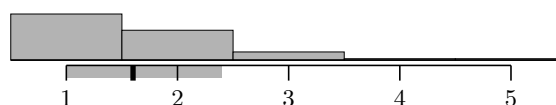1.1.3 Have topics been illustrated by sensible examples?

Always – Never   53 %   34 %   9 %   2 %   2 %

Answers: 64
Mean: 1.6
Standard-Deviation: 0.8

1.1.4 Were the slides/lecture notes helpful?
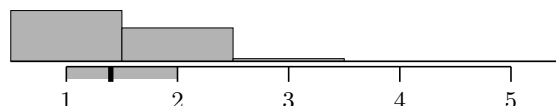
Very helpful – Not helpful   59 %   38 %   3 %   0 %   0 %

Answers: 65
Mean: 1.4
Standard-Deviation: 0.6

1.1.5 Have the topics been explained extensively enough?
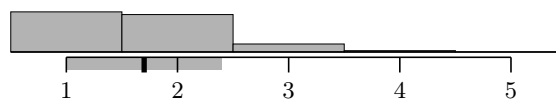
Always – Never   46 %   43 %   9 %   1 %   0 %

Answers: 65
Mean: 1.7
Standard-Deviation: 0.7

2 Lecturer Evaluation

2.1 Please rate Dr. Nils Goerke (durchführend).

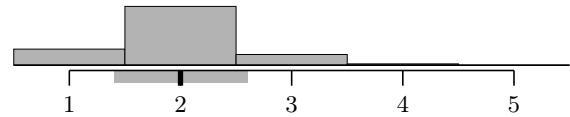2.1.1 How much of the content do you understand during the lecture?

Everything – Nothing   18 %   68 %   12 %   1 %   0 %

Answers: 65
Mean: 2.0
Standard-Deviation: 0.6

2.1.2 Did the lecturer answer your questions profoundly?
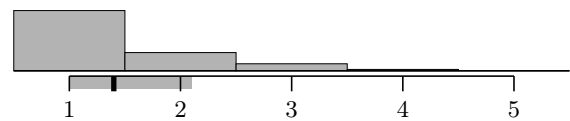
Always – Never   69 %   21 %   8 %   2 %   0 %

Answers: 62
Mean: 1.4
Standard-Deviation: 0.7

2.1.3 Was the lecturer available for questions outside of the lecture?
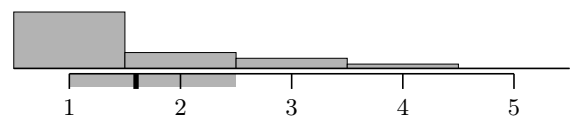
Always – Never   65 %   18 %   12 %   5 %   0 %

Answers: 60
Mean: 1.6
Standard-Deviation: 0.9

2.1.4 Could you understand the lecturer acoustically?

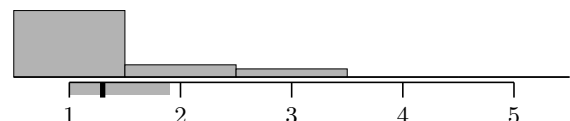Very well – Not at all   77 %   14 %   9 %   0 %   0 %

Answers: 64
Mean: 1.3
Standard-Deviation: 0.6

2.1.5 The speed of proceeding was...
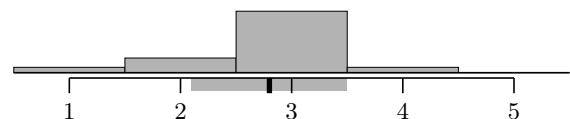
Too fast – Too slow   6 %   17 %   71 %   6 %   0 %

Answers: 65
Mean: 2.8
Standard-Deviation: 0.7

3 Module Evaluation

3.1 Please rate the module as a whole.
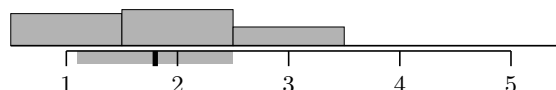
3.1.1 Did the course teach you helpful knowledge and abilities that will be useful in later work life?

Much – Nothing   37 %   41 %   21 %   0 %   0 %

Answers: 65
Mean: 1.8
Standard-Deviation: 0.7
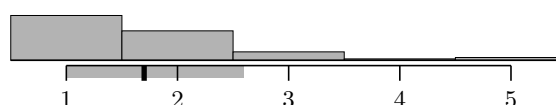
3.1.2 Do the obligatory course achievements support successful completion of the module?

Yes – No   52 %   34 %   10 %   2 %   3 %

Answers: 62
Mean: 1.7
Standard-Deviation: 0.9
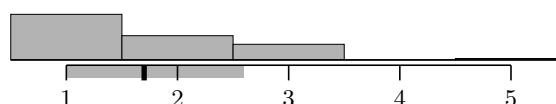
3.1.3 Do you think the obligatory course achievements are adequate?

Yes – No   52 %   28 %   18 %   0 %   2 %

Answers: 61
Mean: 1.7
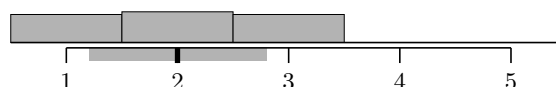Standard-Deviation: 0.9

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

Strongly inc. – Strongly dec.   32 %   35 %   32 %   0 %   0 %

Answers: 65
Mean: 2.0
Standard-Deviation: 0.8

3.1.5 Would you recommend taking this module to your best friend?
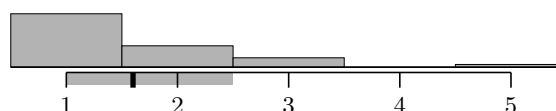
Yes – No   62 %   25 %   11 %   0 %   3 %

Answers: 65
Mean: 1.6
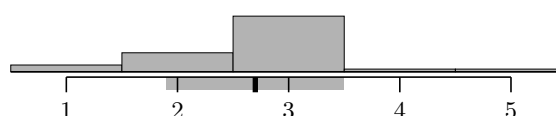Standard-Deviation: 0.9

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

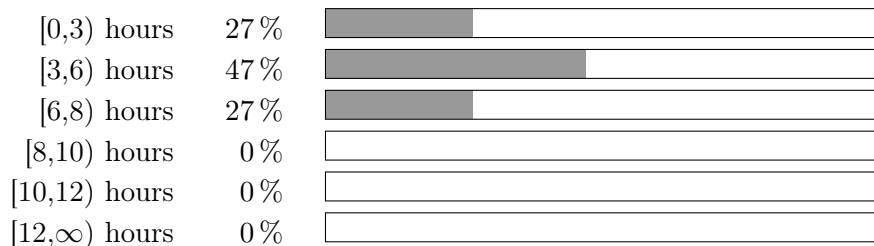Too high – Too low   8 %   22 %   64 %   3 %   3 %

Answers: 64
Mean: 2.7
Standard-Deviation: 0.8

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

[0,3) hours	27 %	
[3,6) hours	47 %	
[6,8) hours	27 %	
[8,10) hours	0 %	
[10,12) hours	0 %	
[12,∞) hours	0 %	

4 Exercise Evaluation

4.1 Please rate the quality of the exercises that accompanied the lecture.
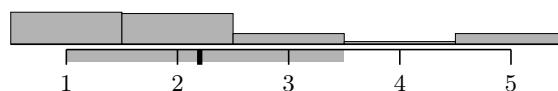
4.1.1 How often did you attend the exercise class?

Always – Never

37 %	35 %	12 %	3 %	12 %

Answers: 65
Mean: 2.2
Standard-Deviation: 1.3

4.1.2 Have the exercise sheets been available on time?
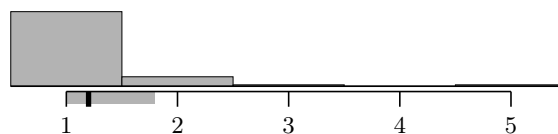
Always – Never

86 %	11 %	2 %	0 %	2 %

Answers: 64
Mean: 1.2
Standard-Deviation: 0.6

4.1.3 The difficulty of the exercise sheets varied...

Not at all – Greatly

7 %	35 %	43 %	11 %	3 %

Answers: 62
Mean: 2.7
Standard-Deviation: 0.9
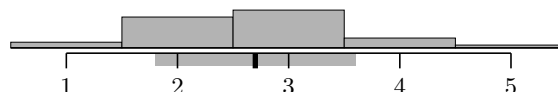
4.1.4 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind

0 %	6 %	92 %	0 %	2 %

Answers: 63
Mean: 3.0
Standard-Deviation: 0.4
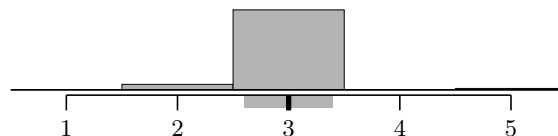
4.1.5 Judge the size of your exercise group!

Too big – Too small

7 %	15 %	66 %	7 %	7 %

Answers: 62
Mean: 2.9
Standard-Deviation: 0.8
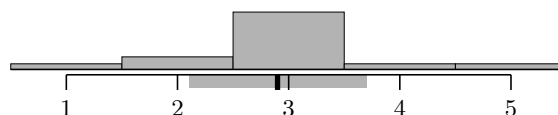
4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

| | 2 % | 20 % | 58 % | 16 % | 5 % |

Answers: 64
Mean: 3.0
Standard-Deviation: 0.8
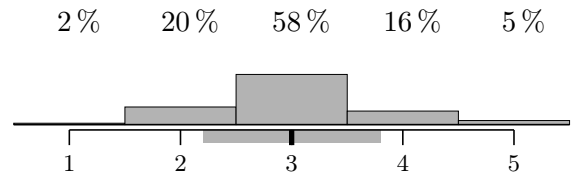
5 Exercise Class Evaluation

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

| 32 % | 37 % | 17 % | 15 % | 0 % |

Answers: 54
Mean: 2.1
Standard-Deviation: 1.0
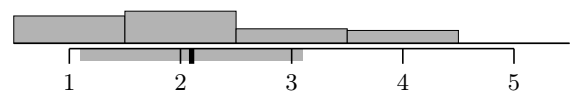
5.1.2 Could you understand your tutor's corrections and gradings?

Always – Never

| 25 % | 28 % | 33 % | 9 % | 5 % |

Answers: 57
Mean: 2.4
Standard-Deviation: 1.1
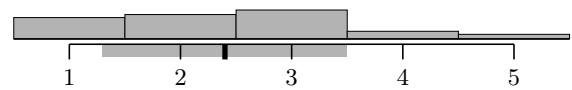
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

| 32 % | 30 % | 22 % | 15 % | 2 % |

Answers: 60
Mean: 2.2
Standard-Deviation: 1.1

5.1.4 Would you recommend visiting this exercise class?

Yes – No

| 43 % | 18 % | 18 % | 10 % | 12 % |

Answers: 61
Mean: 2.3
Standard-Deviation: 1.4

6 Comprehensive Rating

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

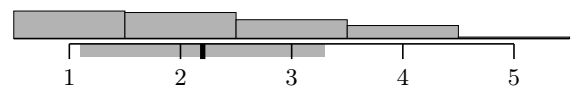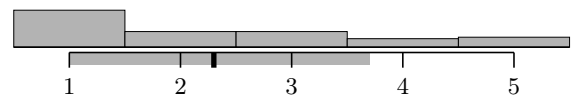|		
excellent (1)	32 %	
good (2)	51 %	
satisfactory (3)	15 %	
adequate (4)	1 %	
poor (5)	0 %	
very poor (6)	0 %	

7 Free Text Comments

7.1 Which aspects of the course did you like?

Structure of the course and lectures

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lecturer explained the concepts very nicely

Professor Explanation
varity of topics

Interesting topics and useful slides

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sensible examples

Professor made some points clear, which I learnt during another courses but didn't understand them
completly

Dr Goerke is a very good lecturer

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continunity of content

Course contents were excellent

Good presentation skill of the professor

MLP, RBF, Recurrent MLP SOM Recognition

The MLP, RBF, SOM, Neural gas was descibed to depth

Lectureer's representation and his slides are really helpful

Wide coverage of described topics

I like the structure and topics.
Also the detials of the topics are just okay

- topics covered
- repeating

Lecture classes

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clear presentation,
great lecture notes

Great explanation about the content and very useful slides and interesting homeworks

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I loved the slides, very clearly laid out and good at explaining concepts in class. I understand shared topics from Machine Learning much better from TNN slides

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Machine Learning

Good exercises

Backpropagation explanation/derivation
Guessing numbers with Nils

- the way Dr. Goerke presents the lecture
- the variety of content presented

Variation in discurssing different methods

Dr. Nils Goerke expresses himself verbally perfectly. Slides are really straight forward and clear

7.2 What could be improved?

little less content will be helpful

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bigger lecutre hall if the lecture stays at 12pm

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deal with the tiopics deeply

Model solutions of the PAs and some explanations in the exercise. The feedback of the PAs was not helpful

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topic

Too much for a 6 credit course and also the slide is too much

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Bigger lecture hall and smaller exercise groups

The exercise group is too big and the tutor speaks broken English

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Explanation of mathematical terms too deeply

More visualized explanation could be shown on the board

Exercises could be more useful sometimes (sometimes it was just writing into from slides)

Reinforcement learning, CNN

The Reinforcement learning can be improved

More practical part. For students to really have handson experience

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exercise tutoriums not very good. Tutor was not always clear

Giving more real time examples of the Network paradigms derived

The content is pretty outdated

bigger lecture hall

Too much homework

Perhaps go a little bit deeper in the explanation of some paradigms in TNN

Perhaps real world applications or examples like code or interactive models available to us outside of lecture to improve self study

Exercise class solution should improve

Lecture was a little bit overload

The location of the lecutres
- too crowded, too small
- the room seperation makes it hard to see what's written on the board sometime

- more focus on examples
- less focus on dates or the people who have done the research in past!

Discussing more thoroughly the more modern topics (more of conv-nets, different optimizations and layers)

More currently used techniques explained during the lecture

- exercise classes
- slides could be handed before lecture, so we could prepare
- solutions for exercises could be announced on website. Because exercises are not in understandable format in lecture. Simply exercise classes are waste of time

7.3 You can leave remarks and further feedback here.

No

Not every TNN that is historically relevant is still relevant today. Maybe a shift of focus would be appropriate

Good

Generally course was great. Thanks

I think learning formulars and derivations by hand is a poor way of testing the understanding of the subject