Robot Learning – Prof. Dr. Sven Behnke

Lecture Survey – Fachschaft Informatik

November 29, 2016

Turned in Questionnaires: 18

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

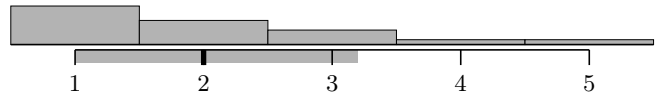### 1.1.1 How often did you attend the lecture?

Always – Never

| 44 % | 28 % | 17 % | 6 % | 6 % |

Answers: 18
Mean: 2.0
Standard-Deviation: 1.2

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

Yes – No

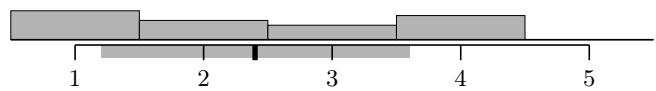| 33 % | 22 % | 17 % | 28 % | 0 % |

Answers: 18
Mean: 2.4
Standard-Deviation: 1.2

1.1.3 Have topics been illustrated by sensible examples?

Always – Never

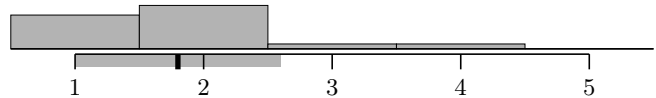| 39 % | 50 % | 6 % | 6 % | 0 % |

Answers: 18
Mean: 1.8
Standard-Deviation: 0.8

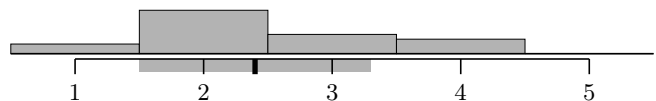### 1.1.4 Were the slides/lecture notes helpful?

Very helpful – Not helpful

| 11 % | 50 % | 22 % | 17 % | 0 % |

Answers: 18
Mean: 2.4
Standard-Deviation: 0.9

1.1.5 Have the topics been explained extensively enough?
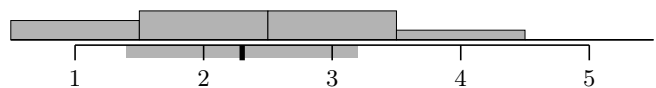
Always – Never

| 22 % | 33 % | 33 % | 11 % | 0 % |

Answers: 18
Mean: 2.3
Standard-Deviation: 0.9

2 Lecturer Evaluation

2.1 Please rate Prof. Dr. Sven Behnke.

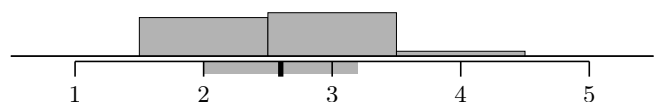### 2.1.1 How much of the content do you understand during the lecture?

Everything – Nothing

| 0 % | 44 % | 50 % | 6 % | 0 % |

Answers: 18
Mean: 2.6
Standard-Deviation: 0.6

2.1.2 Did the lecturer answer your questions profoundly?
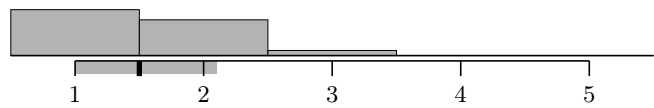
Always – Never   53 %   41 %   6 %   0 %   0 %

Answers: 17
Mean: 1.5
Standard-Deviation: 0.6

2.1.3 Was the lecturer available for questions outside of the lecture?
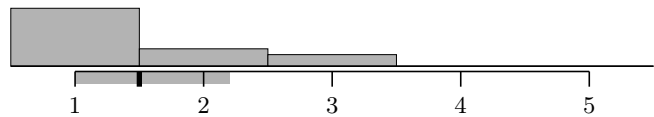
Always – Never   67 %   20 %   13 %   0 %   0 %

Answers: 15
Mean: 1.5
Standard-Deviation: 0.7

2.1.4 Could you understand the lecturer acoustically?
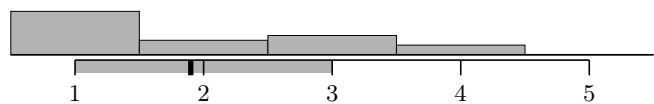
Very well – Not at all   50 %   17 %   22 %   11 %   0 %

Answers: 18
Mean: 1.9
Standard-Deviation: 1.1
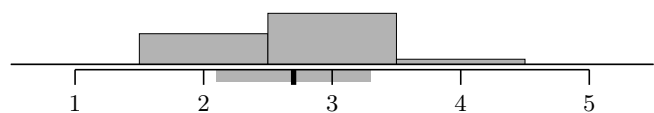
2.1.5 The speed of proceeding was...

Too fast – Too slow   0 %   35 %   59 %   6 %   0 %

Answers: 17
Mean: 2.7
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?
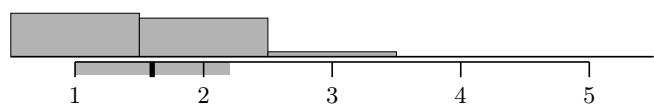
Much – Nothing   50 %   44 %   6 %   0 %   0 %

Answers: 18
Mean: 1.6
Standard-Deviation: 0.6

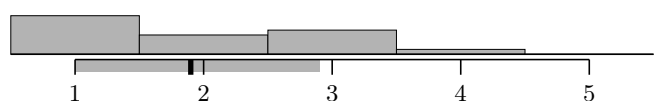### 3.1.2 Do the obligatory course achievements support successful completion of the module?

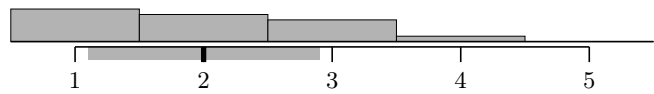Yes – No   44 %   22 %   28 %   6 %   0 %

Answers: 18
Mean: 1.9
Standard-Deviation: 1.0

3.1.3 Do you think the obligatory course achievements are adequate?

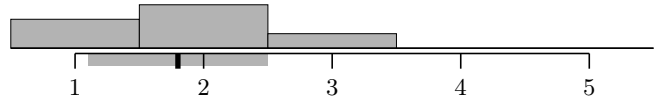Yes – No   38 %   31 %   25 %   6 %   0 %

Answers: 16
Mean: 2.0
Standard-Deviation: 0.9

1	2	3	4	5

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

Strongly inc. – Strongly dec.   33 %   50 %   17 %   0 %   0 %

Answers: 18
Mean: 1.8
Standard-Deviation: 0.7

1	2	3	4	5

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

Yes – No   28 %   33 %   28 %   6 %   6 %

Answers: 18
Mean: 2.3
Standard-Deviation: 1.1

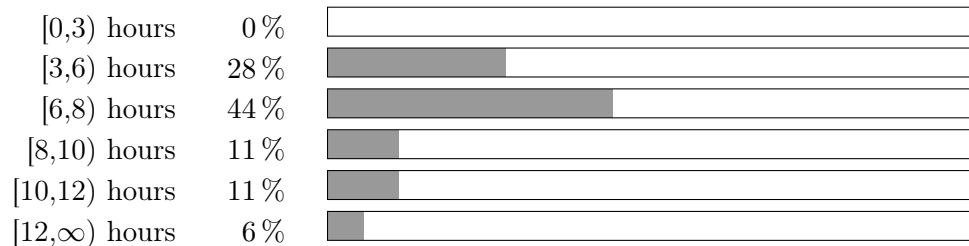|				
1	2	3	4	5
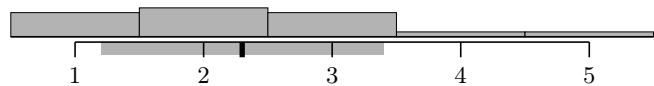
3.1.6 In relation to the number of credit points awarded, is the amount of work to be done justified?

Too high – Too low   0 %   22 %   61 %   17 %   0 %

Answers: 18
Mean: 2.9
Standard-Deviation: 0.6

1	2	3	4	5
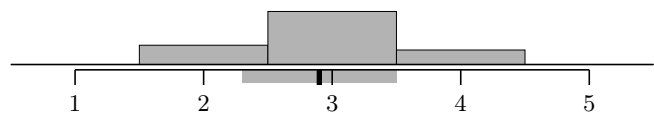
3.2 How much time did you spend on this module every week, including lecture, exercises, exercise tasks. . . ?

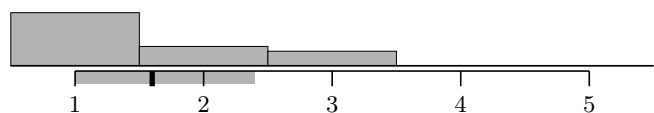|		
[0,3) hours	0 %	
[3,6) hours	28 %	
[6,8) hours	44 %	
[8,10) hours	11 %	
[10,12) hours	11 %	
[12,∞) hours	6 %	

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   61 %   22 %   17 %   0 %   0 %
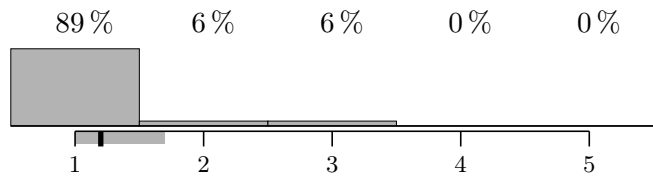
Answers: 18
Mean: 1.6
Standard-Deviation: 0.8

1	2	3	4	5

4.1.2 Have the exercise sheets been available on time?

Always – Never

	89 %	6 %	6 %	0 %	0 %

Answers: 18
Mean: 1.2
Standard-Deviation: 0.5

1   2   3   4   5

4.1.3 The difficulty of the exercise sheets varied...

Not at all – Greatly

	0 %	17 %	56 %	22 %	6 %

Answers: 18
Mean: 3.2
Standard-Deviation: 0.8

1   2   3   4   5
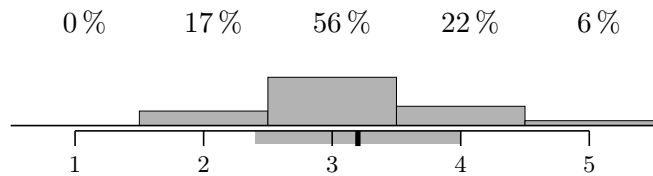
4.1.4 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind

	0 %	11 %	83 %	6 %	0 %

Answers: 18
Mean: 2.9
Standard-Deviation: 0.4

1   2   3   4   5

4.1.5 Judge the size of your exercise group!

Too big – Too small

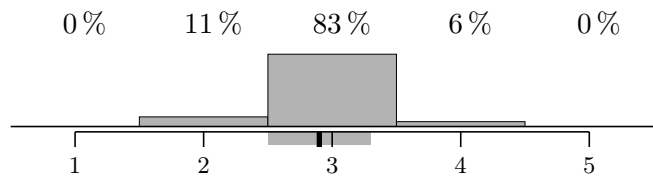|	0 %	6 %	78 %	17 %	0 %

Answers: 18
Mean: 3.1
Standard-Deviation: 0.5

1   2   3   4   5
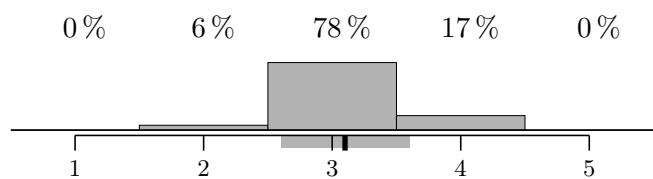
4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

	0 %	50 %	50 %	0 %	0 %

Answers: 18
Mean: 2.5
Standard-Deviation: 0.5

1   2   3   4   5
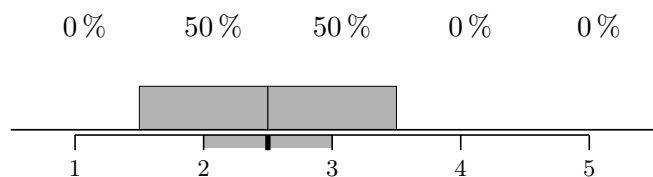
5 Exercise Class Evaluation

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

	88 %	12 %	0 %	0 %	0 %

Answers: 17
Mean: 1.1
Standard-Deviation: 0.3

1   2   3   4   5
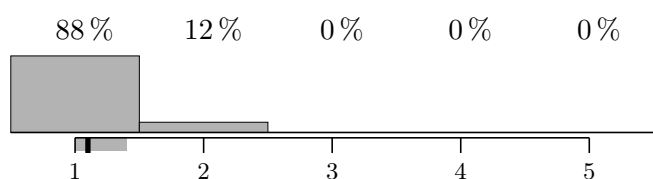
5.1.2 Could you understand your tutor's corrections and gradings?
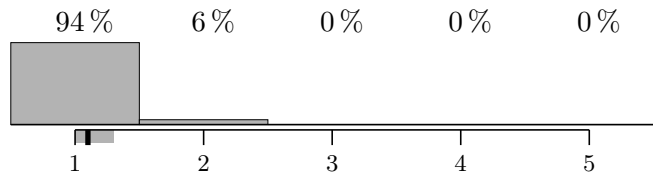
Always – Never
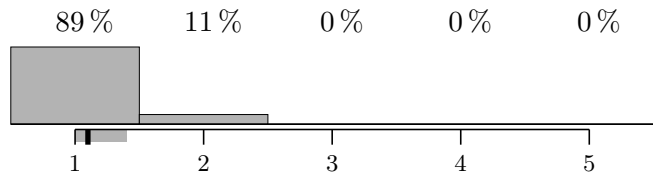
| | 94 % | 6 % | 0 % | 0 % | 0 % |

Answers: 18
Mean: 1.1
Standard-Deviation: 0.2

1   2   3   4   5

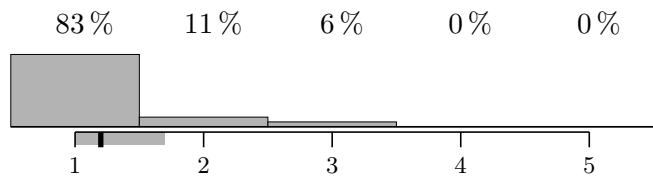### 5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

| | 89 % | 11 % | 0 % | 0 % | 0 % |

Answers: 18
Mean: 1.1
Standard-Deviation: 0.3

1   2   3   4   5

5.1.4 Would you recommend visiting this exercise class?

Yes – No

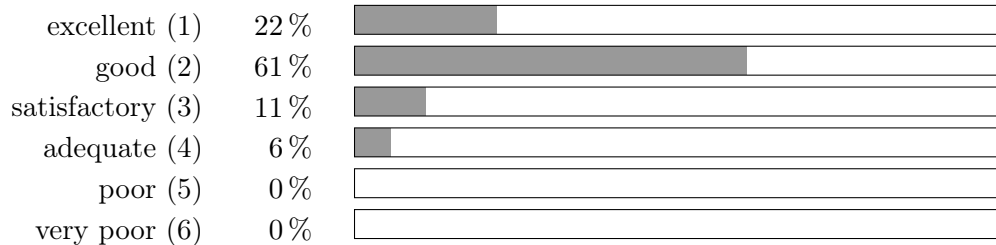| | 83 % | 11 % | 6 % | 0 % | 0 % |

Answers: 18
Mean: 1.2
Standard-Deviation: 0.5

1   2   3   4   5

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)	22 %
good (2)	61 %
satisfactory (3)	11 %
adequate (4)	6 %
poor (5)	0 %
very poor (6)	0 %

7 Free Text Comments

7.1 Which aspects of the course did you like?

For the lecture I could recommend reading the presented book in the first lecture. It helps a lot understanding the slides and the content of the lecture

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- general overview of the field
- mixture of current and older methods

Topic. is interesting

The content of the lecture.

What if taught seems to be the newest trend in the world!

The content.
The tutor is really good for explaining the exercises

The programming task is very helpful.

First part is well structured (up until TD)
First exercises greatly helped understand the topic
Paper-reading exercises were great

The course introduces basic concepts at reinforcement learning as well as variety of technics and applications of robot learning

7.2 What could be improved?

Updating the last exercise sheet
the code we should use was not available any longer.

There should have been more detail or explaination on the slide.

Full of formulas
After each line of formulas
should have more explanation!

The structure could be more dear and organized.
For example, introduce POMOP right after the MOP

The slides of lecture can be more clear and orgnized in a more understandable way.

The speed of voice should be raised. Otherwise sometimes the students will be sleepy.
Or the voice can be more loudly.

- Could be better structured, e.g differential equations before the LQR exercise
- Second part was not accompanied by a book.
- The ROS tutorial was outdated.

Topic should be explained with more time and detail.
Range of topics covered should be reduced.

Assignment sheet nr. 10 was almost impossible. The required materials were not where specified and could not be easily found elsewhere.

LQR was very confusing in slides
last part was not well structured with logical gaps
Exercise about POS could be much better and modern

Actually, later parts of this course were difficult for me to understand deeply. It would be better to indicate the range of what we really need to understand deeply

7.3 You can leave remarks and further feedback here.

The exercises are little difficult, but good for understanding the content of these lecture.

A good cause although something is difficult in it.

- More function approximation with deep learning would have been interesting.