Data Science and Big Data – Dr. Tamas Horvath; PD Dr. Michael Mock

Lecture Survey – Fachschaft Informatik

October 28, 2018

Turned in Questionnaires: 23

1 Lecture Evaluation

1.1 Please rate the lecture's concept.

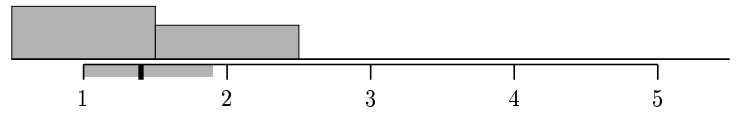1.1.1 How often did you attend the lecture?

| Always – Never | 61 % | 39 % | 0 % | 0 % | 0 % |

Answers: 23
Mean: 1.4
Standard-Deviation: 0.5

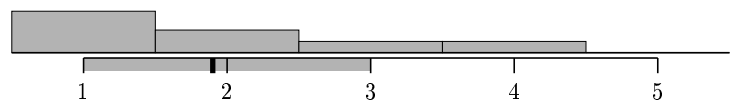1.1.2 Did the lecture appear to be clearly structured to you?

| Yes – No | 48 % | 26 % | 13 % | 13 % | 0 % |

Answers: 23
Mean: 1.9
Standard-Deviation: 1.1

1.1.3 Have topics been illustrated by sensible examples?

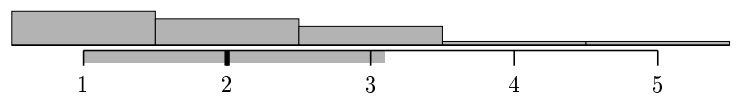| Always – Never | 39 % | 30 % | 22 % | 4 % | 4 % |

Answers: 23
Mean: 2.0
Standard-Deviation: 1.1

1.1.4 Were the slides/lecture notes helpful?

| Very helpful – Not helpful | 43 % | 30 % | 22 % | 4 % | 0 % |

Answers: 23
Mean: 1.9
Standard-Deviation: 0.9
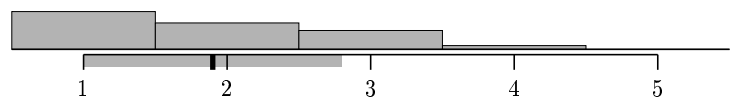
1.1.5 Have the topics been explained extensively enough?

| Always – Never | 30 % | 43 % | 22 % | 4 % | 0 % |

Answers: 23
Mean: 2.0
Standard-Deviation: 0.8
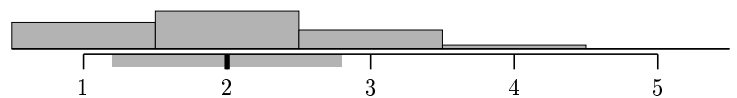
2 Lecturer Evaluation

2.1 Please rate Dr. Tamas Horvath.

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

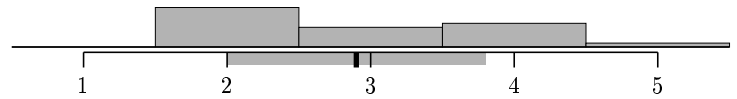| Everything – Nothing | 0 % | 46 % | 23 % | 27 % | 4 % |

Answers: 22
Mean: 2.9
Standard-Deviation: 0.9

2.1.2 Did the lecturer answer your questions profoundly?

| Always – Never | 64 % | 0 % | 23 % | 14 % | 0 % |

Answers: 22
Mean: 1.9
Standard-Deviation: 1.2

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

| Always – Never | 62 % | 24 % | 5 % | 5 % | 5 % |

Answers: 21
Mean: 1.7
Standard-Deviation: 1.1

2.1.4 Could you understand the lecturer acoustically?

| Very well – Not at all | 22 % | 39 % | 17 % | 22 % | 0 % |

Answers: 23
Mean: 2.4
Standard-Deviation: 1.1
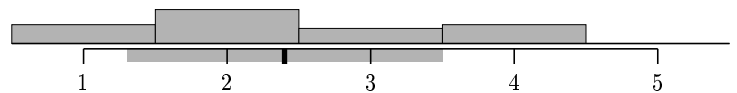
2.1.5 The speed of proceeding was...

| Too fast – Too slow | 9 % | 13 % | 70 % | 9 % | 0 % |

Answers: 23
Mean: 2.8
Standard-Deviation: 0.7
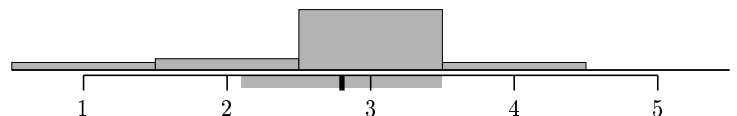
2.2 Please rate PD Dr. Michael Mock.

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

Everything – Nothing   18 %   46 %   27 %   9 %   0 %

Answers: 22
Mean: 2.3
Standard-Deviation: 0.9
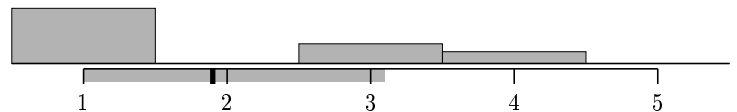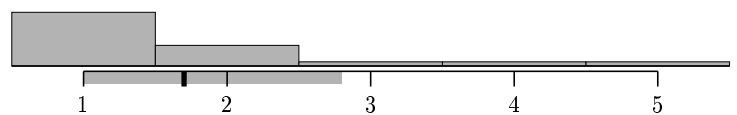
2.2.2 Did the lecturer answer your questions profoundly?

Always – Never   50 %   28 %   22 %   0 %   0 %

Answers: 18
Mean: 1.7
Standard-Deviation: 0.8
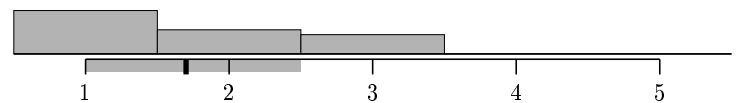
2.2.3 Was the lecturer available for questions outside of the lecture?

Always – Never   61 %   11 %   11 %   6 %   11 %

Answers: 18
Mean: 1.9
Standard-Deviation: 1.4

2.2.4 Could you understand the lecturer acoustically?

Very well – Not at all   52 %   39 %   9 %   0 %   0 %

Answers: 23
Mean: 1.6
Standard-Deviation: 0.6

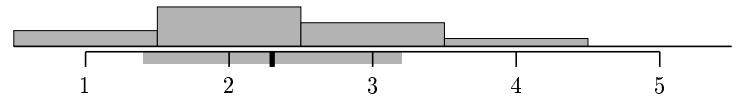2.2.5 The speed of proceeding was...

Too fast – Too slow   4 %   18 %   77 %   0 %   0 %

Answers: 22
Mean: 2.7
Standard-Deviation: 0.5

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   43 %   43 %   9 %   4 %   0 %

Answers: 23
Mean: 1.7
Standard-Deviation: 0.8
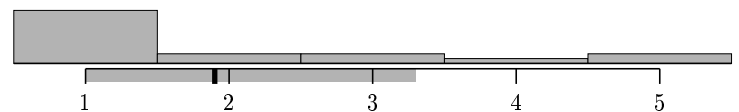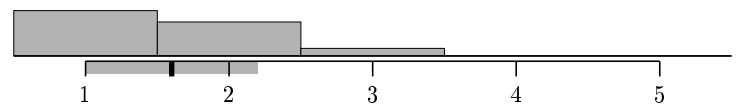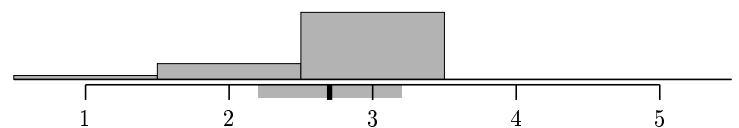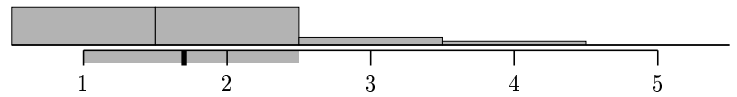
1   2   3   4   5

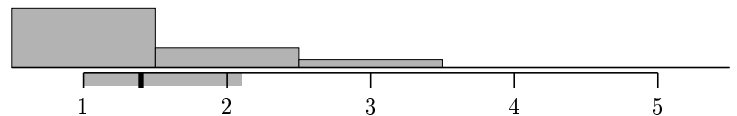3.1.2 Do the obligatory course achievements support successful completion of the module?

Yes – No   68 %   23 %   9 %   0 %   0 %

Answers: 22
Mean: 1.4
Standard-Deviation: 0.7

1   2   3   4   5

3.1.3 Do you think the obligatory course achievements are adequate?

Yes – No   46 %   36 %   18 %   0 %   0 %

Answers: 22
Mean: 1.7
Standard-Deviation: 0.7

1   2   3   4   5
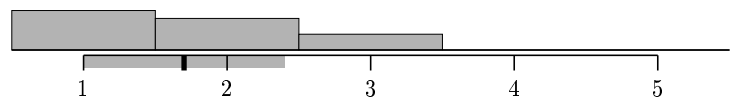
3.1.4 Did your interest in this module's field of study change?

Strongly inc. – Strongly dec.   24 %   33 %   29 %   5 %   10 %

Answers: 21
Mean: 2.4
Standard-Deviation: 1.2

1   2   3   4   5
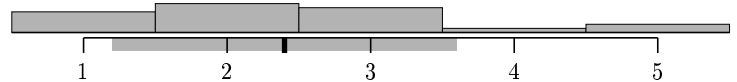
3.1.5 Would you recommend taking this module to your best friend?

Yes – No   43 %   35 %   0 %   9 %   13 %

Answers: 23
Mean: 2.1
Standard-Deviation: 1.4

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 | 4 % | 30 % | 52 % | 13 % | 0 % |

Answers: 23
Mean: 2.7
Standard-Deviation: 0.7

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

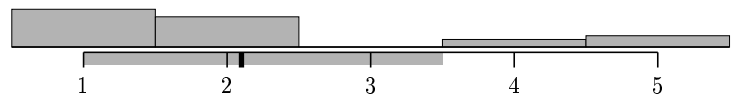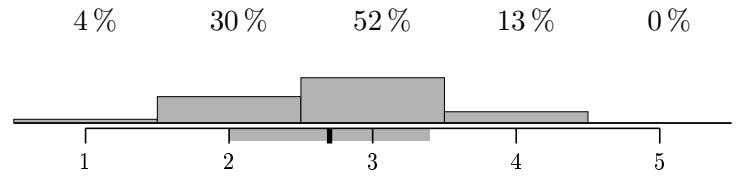| [0,3) hours | 0 % |
[3,6) hours	17 %
[6,8) hours	52 %
[8,10) hours	30 %
[10,12) hours	4 %
[12,∞) hours	0 %
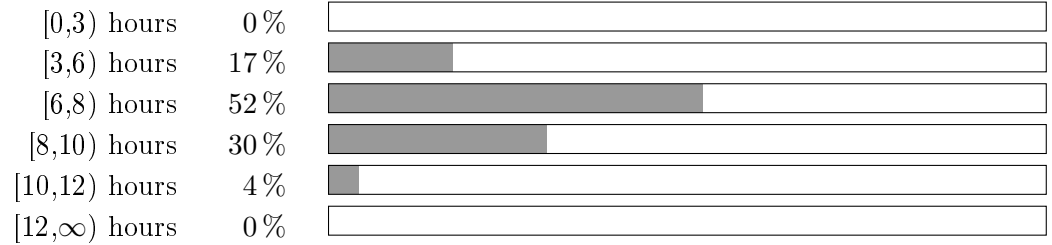
4 Exercise Evaluation

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 | 74 % | 26 % | 0 % | 0 % | 0 % |

Answers: 23
Mean: 1.3
Standard-Deviation: 0.4
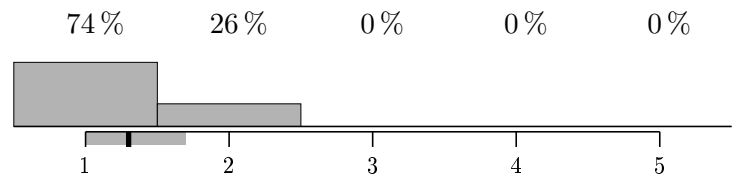
4.1.2 Have the exercise sheets been available on time?

| Always – Never | 91 % | 9 % | 0 % | 0 % | 0 % |

Answers: 23
Mean: 1.1
Standard-Deviation: 0.3
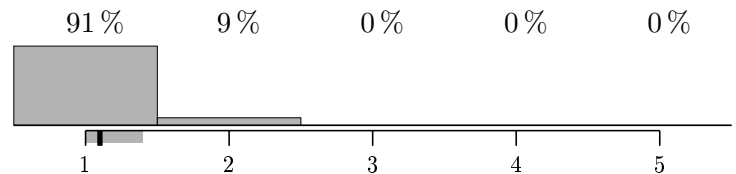
4.1.3 The difficulty of the exercise sheets varied...

| Not at all – Greatly | 0 % | 39 % | 48 % | 13 % | 0 % |

Answers: 23
Mean: 2.7
Standard-Deviation: 0.7
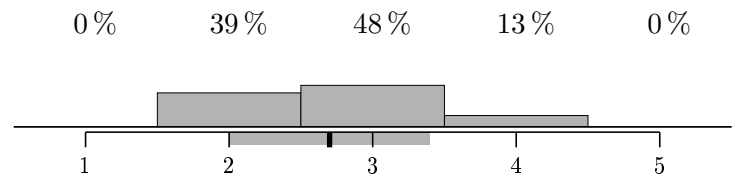
4.1.4 Did the contents of the exercises match the current contents of the lecture?

Lecture far ahead – Lecture far behind

| | 0 % | 9 % | 87 % | 4 % | 0 % |

Answers: 23
Mean: 3.0
Standard-Deviation: 0.4
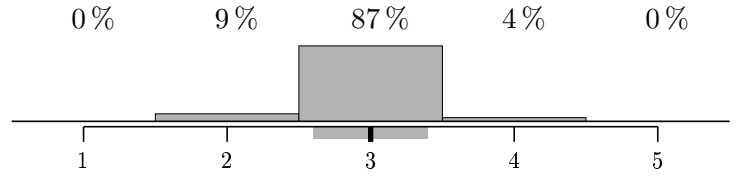
4.1.5 Judge the size of your exercise group!

Too big – Too small

| | 9 % | 17 % | 74 % | 0 % | 0 % |

Answers: 23
Mean: 2.7
Standard-Deviation: 0.6
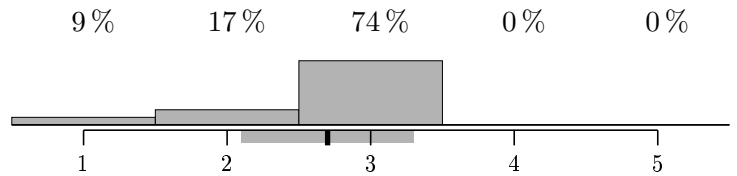
4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

| | 9 % | 26 % | 61 % | 4 % | 0 % |

Answers: 23
Mean: 2.6
Standard-Deviation: 0.7
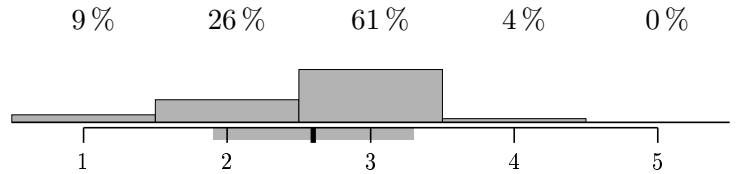
5 Exercise Class Evaluation

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

| | 86 % | 14 % | 0 % | 0 % | 0 % |

Answers: 22
Mean: 1.1
Standard-Deviation: 0.3
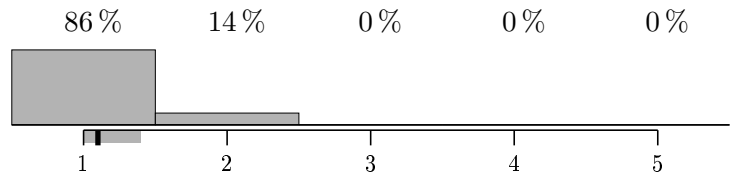
5.1.2 Could you understand your tutor's corrections and gradings?

Always – Never

| | 83 % | 17 % | 0 % | 0 % | 0 % |

Answers: 23
Mean: 1.2
Standard-Deviation: 0.4
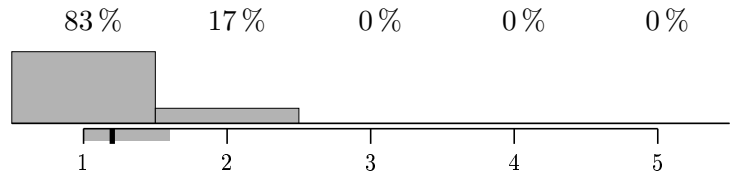
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

	87 %	13 %	0 %	0 %	0 %

Answers: 23
Mean: 1.1
Standard-Deviation: 0.3

1	2	3	4	5
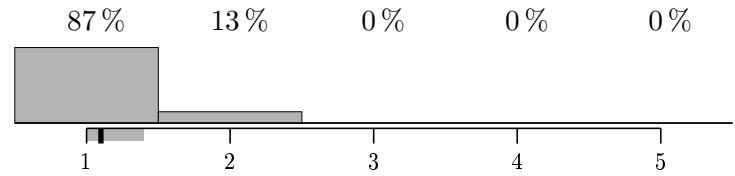
5.1.4 Would you recommend visiting this exercise class?

Yes – No

	96 %	4 %	0 %	0 %	0 %

Answers: 23
Mean: 1.0
Standard-Deviation: 0.2

1	2	3	4	5
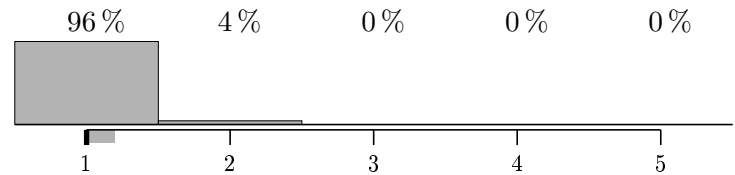
6 Comprehensive Rating

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

excellent (1)	26 %	
good (2)	48 %	
satisfactory (3)	26 %	
adequate (4)	4 %	
poor (5)	0 %	
very poor (6)	0 %	
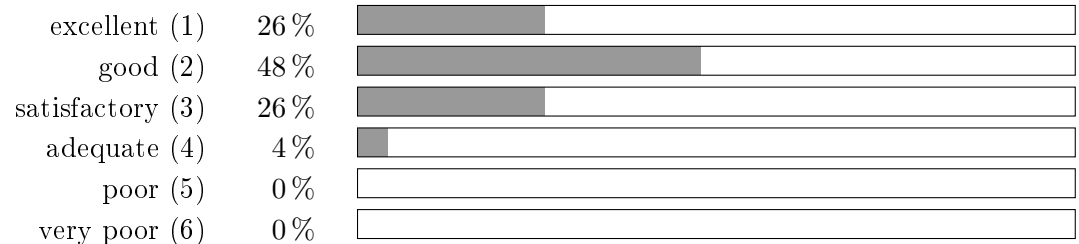
7 Free Text Comments

7.1 Which aspects of the course did you like?

Concepts that organization uses to handle data

learning the architecture

Exercises (specially programming ones) helped understand the content better

Theoretical Exercises

Proper amount of theory and practice, good exersices

Everything. Lectures + Exercises

Quite a lot of practical assignments

Theoretical part is very good

The way the course is structured is good

The organisation of the course. Everything was okay

very interesting and important topics

7.2 What could be improved?

More examples in the lecture notes

Proofs could be explained more thorougly on the slides

the lecture is time bound with less possibility for asking questions

logarithme could be explained better

Too many proofs, seems useless. Not challenging enough, Doesn't talk much about modern techniques

Difficulty can be reduced

Not being admitted to final exam after failing midterm is very harsh could be just some penalty instead

Maybe a list of extra papers where to find more info or books related to the lectures

Some theoretical proves can be omitted

Split into 2 courses:
- theoretical => more stuff can be covered
- practical => deeper and more exervices with spark, storm, etc.

Programming exercises

Slides weren't always clear. Some references to bibliographic content would help a lot

More real time examples should be used

The course can be split into Big Data system more lectures

The start into the programming exercises proofed to be quiet harsh, since no good documentation was available online. But I have no simple suggestion for solving that issue

the level of difficulty was at times too high in Prof. Horvath's lecutres.

7.3 You can leave remarks and further feedback here.

- It might make sense to split the lecture, although the programming past does require some basic knwoledge of the theoretical part
- An additional script would be very helpful especially for understanding proofs

follow every theoretical lecture by a practical lecture so that concepts are in sync

lagarithme can be explained better at a slower pace

It would be best to slit the course into 2 since the part taught by Mr. Mock was very different than what was taught by Mr. Horvath

It will be better to split into two

Could be good to split the course in algorithmic an practical part

It would be a good idea to split the algorithmic part from the practical part of the lecture Students who want to specialize in this field would be grateful. Eike best tutor ever

I think it would make sense to split the lecture intwo two courses to get an in-depth knwoledge of both algorithmics and the technical background

Splitting classes into two (theoretical and practical) can be a good idea, but they still have to be closely related to each other (as it was done in this year)

Split the course! into Horvath/Mock

I recommend NOT split but make the course 9 ECTs:
- 1st day-algorithms
- 2nd day-programming
=> 2 lecctures + 1 exercise

though the algorithmic and 'practical' parts were both interesting they aren't very related with the content they cover

The course should stay the way it is. I think it is good that way. more real time examples should be used. The masto from mid-term should be included for final grading

I think it would be better if the course is split in two in order to cover a bigger amount of interesting algorithms in one part and on the other part to cover more about Systems used in Big Data field. Eike was the best tutor I have had

Splitting the lecture might be a good idea for I have the feeling that there are many important topics uncovered in the two subjects at hand

It would be better to split the course into two seperate

It seemed to me that Prof. Horvath's lectures had too much content to be discussed thoroughtly The correction of the programming exercises could be imporvid /more tutors, or only one group presenting each week -> speedup)