Intelligent Learning and Analysis Systems: Data Mining and Knowledge Discovery – Prof. Dr. Stefan Wrobel; Dr. Tamas Horvath

Lecture Survey – Fachschaft Informatik

November 29, 2016

Turned in Questionnaires: 51
1 Lecture Evaluation

1.1 Please rate the lecture’s concept.

1.1.1 How often did you attend the lecture?

<table>
<thead>
<tr>
<th>Always – Never</th>
<th>54%</th>
<th>28%</th>
<th>14%</th>
<th>4%</th>
<th>0%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 1.7
Standard-Deviation: 0.9

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

<table>
<thead>
<tr>
<th>Yes – No</th>
<th>36%</th>
<th>36%</th>
<th>16%</th>
<th>12%</th>
<th>0%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 2.0
Standard-Deviation: 1.0

1.1.3 Have topics been illustrated by sensible examples?

<table>
<thead>
<tr>
<th>Always – Never</th>
<th>32%</th>
<th>42%</th>
<th>22%</th>
<th>4%</th>
<th>0%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 2.0
Standard-Deviation: 0.8

1.1.4 Were the slides/lecture notes helpful?

<table>
<thead>
<tr>
<th>Very helpful – Not helpful</th>
<th>18%</th>
<th>36%</th>
<th>32%</th>
<th>10%</th>
<th>4%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 2.5
Standard-Deviation: 1.0

1.1.5 Have the topics been explained extensively enough?

<table>
<thead>
<tr>
<th>Always – Never</th>
<th>26%</th>
<th>30%</th>
<th>32%</th>
<th>10%</th>
<th>2%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 2.3
Standard-Deviation: 1.0

2 Lecturer Evaluation

2.1 Please rate Prof. Dr. Stefan Wrobel.

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

<table>
<thead>
<tr>
<th>Everything – Nothing</th>
<th>14%</th>
<th>56%</th>
<th>22%</th>
<th>8%</th>
<th>0%</th>
</tr>
</thead>
</table>

Answers: 50
Mean: 2.2
Standard-Deviation: 0.8
2.1.2 Did the lecturer answer your questions profoundly?

Always – Never

Answers: 48
Mean: 1.7
Standard-Deviation: 0.7

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

Always – Never

Answers: 44
Mean: 2.2
Standard-Deviation: 0.9

2.1.4 Could you understand the lecturer acoustically?

Very well – Not at all

Answers: 50
Mean: 1.7
Standard-Deviation: 0.9

2.1.5 The speed of proceeding was...

Too fast – Too slow

Answers: 50
Mean: 2.6
Standard-Deviation: 0.7

2.2 Please rate Dr. Tamas Horvath.

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

Everything – Nothing

Answers: 50
Mean: 2.4
Standard-Deviation: 0.9

2.2.2 Did the lecturer answer your questions profoundly?

Always – Never

Answers: 50
Mean: 1.7
Standard-Deviation: 0.8
2.2.3 Was the lecturer available for questions outside of the lecture?
Always – Never
Answers: 46
Mean: 1.8
Standard-Deviation: 0.9

2.2.4 Could you understand the lecturer acoustically?
Very well – Not at all
Answers: 50
Mean: 2.2
Standard-Deviation: 1.0

2.2.5 The speed of proceeding was...
Too fast – Too slow
Answers: 49
Mean: 2.8
Standard-Deviation: 0.8

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
Answers: 49
Mean: 2.0
Standard-Deviation: 0.9

3.1.2 Do the obligatory course achievements support successful completion of the module?
Yes – No
Answers: 50
Mean: 1.9
Standard-Deviation: 1.0

3.1.3 Do you think the obligatory course achievements are adequate?
Yes – No
Answers: 50
Mean: 2.1
Standard-Deviation: 1.0
3.1.4 Did your interest in this module’s field of study change?

<table>
<thead>
<tr>
<th></th>
<th>Strongly inc.</th>
<th>Strongly dec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answers: 50</td>
<td>18%</td>
<td>30%</td>
</tr>
<tr>
<td>Mean: 2.4</td>
<td>42%</td>
<td>10%</td>
</tr>
<tr>
<td>Standard-Deviation: 0.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answers: 50</td>
<td>34%</td>
<td>38%</td>
</tr>
<tr>
<td>Mean: 2.1</td>
<td>16%</td>
<td>8%</td>
</tr>
<tr>
<td>Standard-Deviation: 1.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Too high</th>
<th>Too low</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answers: 50</td>
<td>8%</td>
<td>20%</td>
</tr>
<tr>
<td>Mean: 2.8</td>
<td>60%</td>
<td>8%</td>
</tr>
<tr>
<td>Standard-Deviation: 0.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

| [0,3) hours | 14% |
| [3,6) hours | 22% |
| [6,8) hours | 29% |
| [8,10) hours | 20% |
| [10,12) hours | 10% |
| [12,∞) hours | 4% |

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?

<table>
<thead>
<tr>
<th></th>
<th>Always</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answers: 49</td>
<td>80%</td>
<td>16%</td>
</tr>
<tr>
<td>Mean: 1.3</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Standard-Deviation: 0.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.1.2 Have the exercise sheets been available on time?

<table>
<thead>
<tr>
<th></th>
<th>Always</th>
<th>Never</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answers: 49</td>
<td>86%</td>
<td>8%</td>
</tr>
<tr>
<td>Mean: 1.2</td>
<td>4%</td>
<td>2%</td>
</tr>
<tr>
<td>Standard-Deviation: 0.6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4.1.3 The difficulty of the exercise sheets varied...

Not at all – Greatly

Answers: 50
Mean: 2.7
Standard-Deviation: 0.8

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

Lecture far ahead – Lecture far behind

Answers: 50
Mean: 3.0
Standard-Deviation: 0.7

4.1.5 Judge the size of your exercise group!

Too big – Too small

Answers: 49
Mean: 3.0
Standard-Deviation: 0.5

4.1.6 Usually I thought the exercises were...

Too difficult – Very easy

Answers: 49
Mean: 2.7
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

Answers: 47
Mean: 1.5
Standard-Deviation: 0.8

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

Always – Never

Answers: 49
Mean: 1.6
Standard-Deviation: 0.9
5.1.3 Did the tutor manage to handle all the relevant content in the exercise class?

Always – Never

Answers: 48
Mean: 1.6
Standard-Deviation: 0.9

5.1.4 Would you recommend visiting this exercise class?

Yes – No

Answers: 49
Mean: 1.4
Standard-Deviation: 0.7

6 Comprehensive Rating

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

<table>
<thead>
<tr>
<th>Rating</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>excellent (1)</td>
<td>14%</td>
</tr>
<tr>
<td>good (2)</td>
<td>51%</td>
</tr>
<tr>
<td>satisfactory (3)</td>
<td>22%</td>
</tr>
<tr>
<td>adequate (4)</td>
<td>10%</td>
</tr>
<tr>
<td>poor (5)</td>
<td>0%</td>
</tr>
<tr>
<td>very poor (6)</td>
<td>0%</td>
</tr>
</tbody>
</table>

7 Free Text Comments

7.1 Which aspects of the course did you like?

Exercises are pretty good

Topic is interesting

Content

Tutor’s exercise.

I love Linara’s tutor exercise

Very clear and understandable.

Data Mining Approaches.

Clustering and Association rule Mining.

The latter half of the course was self-explanatory and well documented

The programming assignments

Exercises were very good

homework was nice
the credit point for this course should be 9.

7.2 **What could be improved?**

More hints for the exercises

More contents in the slides with examples

Use LaTeX please, formulas of first 4 lectures are ugly, add decision trees, and remove sampling, please

slides could be more detail,

MORE TIME FOR THE EXAM, 90 MINS SEEMS TOO LITTLE

do not make the last lecture with heavy content.

I would prefer starting a week earlier, since the last (and still exam relevant) exercise was very full
I would have liked to have more time to look at it.

Some more applicable stuff would be nice

The lecture can be more easy to understand the materials

First five slides have not enough material to study.

First half of course didn’t have enough Information on slides.

Include some practical stuff in the course

Add more programming tasks and also some textbook

In the lecture notes, stuff could be defined more rigorous and before it is used.

Less emphasis on subgroup discovery.

Please provide books or something to read in parallel

- Notation on slides
- Presentation / Correction of practical exercises

make to deliver lecture in much easier way.

7.3 **You can leave remarks and further feedback here.**

subgroup discovery is no that useful topic in this lecture.

A good lecture in field of Data Mining.

Good Cause :)

Linara Exercise is much better than the theoratical lecture because we see every thing with an example
Great lecture, but last too sessions were too fast.
It will be hard to repeat since exams have already started.
Would have been great to have the slides earlier for the last session.

- Mandatory course achievements are too much: weekly homework, two practical tasks, one presentation and one pre-exam.
- The pre-exam ("mid-term exercise checkup") re-iterates eight homework tasks verbatim. What’s the point of checking whether you remember the perfect solution?
Lecturers’ Questionnaire
This part contains data provided by the lecturers.

1 Lecture metadata

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of students in the lecture at the beginning of the semester</td>
<td>95</td>
</tr>
<tr>
<td>Number of students in the lecture at the end of the semester</td>
<td>80</td>
</tr>
<tr>
<td>Number of students participating in the exercise classes at the beginning of the semester</td>
<td>95</td>
</tr>
<tr>
<td>Number of students participating in the exercise classes at the end of the semester</td>
<td>80</td>
</tr>
<tr>
<td>Number of students that have registered for the exam</td>
<td>80</td>
</tr>
</tbody>
</table>

2 Exercise classes

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of exercise classes</td>
<td>3</td>
</tr>
<tr>
<td>Average number of students per exercise class at the end of the semester</td>
<td>27</td>
</tr>
</tbody>
</table>

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

3 Helpful stuff

There has been a text exam.
Sample solutions for exercise tasks have been distributed.

4 Free text comments

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

-

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

-

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

-

4.4 Further remarks

-