## Legende

### Fragetext

<table>
<thead>
<tr>
<th>Skala</th>
<th>Histogramm</th>
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<tbody>
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<thead>
<tr>
<th>Linker Pol</th>
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<td>25%</td>
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Legende

- n=Anzahl
- mw=Mittelwert
- md=Median
- s=Std.-Abw.
- E.=Enthaltung

### 1. Personal Details

#### 1.1) My program

- Culture & Business: 0%  
  *n=31*
- Business Informatics: 96.8%
- Mathematics in Business and Economics: 0%
- Business Admin.: 3.2%
- Business Education: 0%
- Economics: 0%
- Psychology: 0%

#### 1.2) My anticipated degree

- Bachelor: 9.7%  
  *n=31*
- Master: 90.3%
- Other: 0%

#### 1.3) My semester

- 1: 64.5%  
  *n=31*
- 2: 9.7%
- 3: 16.1%
- 4: 3.2%
- 5: 0%
- 6: 3.2%
- 7: 3.2%
- 8: 0%
- >=9: 0%

#### 1.4) My Gender

- female: 26.9%  
  *n=26*
- male: 73.1%
1.5) I am an international exchange student

Yes [ ] 18.5%  
No [ ] 81.5%

2. Details on your course attendance

2.1) I am taking this course

for the first time [ ] 100%  
again, after already taking this course in a previous semester [ ] 0%

2.2) How regularly did you attend this lecture course – how often were you absent from class?

0 [ ] 51.6%  1 [ ] 19.4%  2 [ ] 9.7%  3 [ ] 3.2%  4 [ ] 16.1%  5 [ ] >=6

2.3) If you missed more than three classes, what were the reasons for your absence? (Multiple answers are possible)

There were scheduling conflicts with other courses [ ] 0%  
Lack of time [ ] 6.5%  
Other reasons [ ] 12.9%

2.4) How regularly did you attend the tutorial for this lecture course – how often were you absent from the tutorial? Please leave blank if no accompanying lecture was offered.

0 [ ] 45.2%  1 [ ] 12.9%  2 [ ] 9.7%  3 [ ] 0%  4 [ ] 6.5%  5 [ ] 3.2%  6 [ ] 22.6%  7 [ ] >=6

2.5) 1. If you missed more than three classes, what was the main reason for your absences? (Multiple answers are possible)

There were scheduling conflicts with other courses [ ] 3.2%  
I did not need any course credit [ ] 0%  
The lecture was sufficient for me to understand the material [ ] 9.7%  
Lack of time [ ] 9.7%

2.6) 1. How often was there a substitute teacher?

0 [ ] 92.9%  1 [ ] 7.1%  2 [ ] 0%  3 [ ] 0%  4 [ ] 0%  5 [ ] >=6

3. Evaluation of the course

3.1) The instructor explained the educational goals of the course

totally true [ ] 61.3%  not true at all [ ] 38.7%  

3.2) A common theme could be perceived in the course.

64.5% 32.3% 3.2% 0% 0%  

3.3) The course was well organized

50% 43.3% 6.7% 0% 0%  

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3.4) The **structure of the lecture** helped me understand the subject matter

3.5) The **pace** of the course was appropriate

3.6) The lectures were **clear and comprehensible**

3.7) The course content was illustrated through the use of **examples**

3.8) **Summaries and repetition** helped me to remember the subject matter

3.9) There were opportunities to **ask questions**

3.10) The instructor made an effort to **answer questions precisely**

3.11) The instructor tried to make sure students **understood the explanations**

3.12) Information on the **board/screen** was **legible**

3.13) Information on the **board/screen** increased my **understanding** of the subject matter

3.14) The use of **classroom technology** (not including overhead/board) was helpful

3.15) **Additional documents and downloads** (i.e. copies, scripts, recordings) were helpful **learning tools**

3.16) The **recommended literature** was available
3.17) The **recommended literature helped** my learning process

3.18) The instructor’s **diction/manner of speaking** was **clear**

3.19) The instructor always seemed to be **well prepared**

3.20) I had the impression that the instructor **truly enjoyed teaching**

3.21) The **instructor** was **willing** to tailor lessons to students’ academic interests

3.22) The lecture fostered my **interest** in the course content

3.23) The **connection to other courses** was demonstrated

3.24) The course topic was **well integrated with other courses**

3.25) The **relevance** of the course to educational goals was made clear

3.26) I feel that the course content was **important for my future career**

4. Evaluation of your own participation

4.1) I **asked questions during class**

<table>
<thead>
<tr>
<th>Option</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Yes</td>
<td>32.3%</td>
</tr>
<tr>
<td>No</td>
<td>67.7%</td>
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</tbody>
</table>

4.2) **If not, why not?** (Multiple answers are possible)

<table>
<thead>
<tr>
<th>Reason</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>My own limited knowledge</td>
<td>16.1%</td>
</tr>
<tr>
<td>Lack of self-confidence</td>
<td>6.5%</td>
</tr>
<tr>
<td>I already understood everything</td>
<td>9.7%</td>
</tr>
<tr>
<td>My questions had already been asked by other classmates</td>
<td>16.1%</td>
</tr>
<tr>
<td>I attempted to find the answers myself after class</td>
<td>41.9%</td>
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</table>
4.3) What was the average weekly amount of time you spent preparing for and reviewing after the lecture course (not including class time, time in the discussion group/tutorial, or time devoted to completing worksheets)?

- No time at all: 17.9%
- 2 hours: 53.6%
- 4 hours: 25%
- 6 hours: 0%
- 8 hours: 3.6%
- 10 hours: 0%

4.4) What was the average weekly amount of time you spent completing worksheets (not including class time and time in the discussion group/tutorial)?

- No time at all: 44%
- 2 hours: 44%
- 4 hours: 12%
- 6 hours: 0%
- 8 hours: 0%
- 10 hours: 0%

5. Overall evaluation of the course

5.1) The lecture course increased my subject matter knowledge

- Totally true: 66.7%
- Somewhat true: 26.7%
- Not very true: 6.7%
- Not true at all: 0%

5.2) I enjoyed attending the lecture course

- Somewhat true: 40%
- Not very true: 50%
- Not true at all: 10%

5.3) I understood the course content

- Somewhat true: 43.3%
- Not very true: 53.3%
- Not true at all: 3.3%

5.4) I would rate the lecture course on a scale of 1 (very good) to 6 (very poor):

- 1: 0%
- 2: 0%
- 3: 6.7%
- 4: 53.3%
- 5: 40%
- 6: 0%

6. Evaluation of the classroom conditions and prerequisites

6.1) My previous knowledge was sufficient for mastering the course content

- Totally true: 44.8%
- Somewhat true: 41.4%
- Not very true: 6.9%
- Not true at all: 6.9%

6.2) The technical equipment (overhead, board, projector, microphone) was ready for use when necessary

- Somewhat true: 62.1%
- Not very true: 27.8%
- Not true at all: 6.9%

6.3) The size of the room was appropriate for the course

- Somewhat true: 66.7%
- Not very true: 26.7%
- Not true at all: 6.7%
6.4) The **level of background noise** in the classroom was tolerable

6.5) The **room fixtures** (chairs, tables, ventilation, light, etc.) were good
2. Details on your course attendance

2.2) How regularly did you attend this lecture course – how often were you absent from class?

2.4) How regularly did you attend the tutorial for this lecture course – how often were you absent from the tutorial? Please leave blank if applicable.

2.6) How often was there a substitute teacher?

3. Evaluation of the course

3.1) The instructor explained the educational goals of the course

3.2) A common theme could be perceived in the course.

3.3) The course was well organized

3.4) The structure of the lecture helped me understand the subject matter

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3.24) The course topic was well integrated with other courses

3.25) The relevance of the course to educational goals was made clear

3.26) I feel that the course content was important for my future career

5. Overall evaluation of the course

5.1) The lecture course increased my subject matter knowledge

totally true | not true at all
n=30  mw=1.4  md=1.0  s=0.6

5.2) I enjoyed attending the lecture course

5.3) I understood the course content

5.4) I would rate the lecture course on a scale of 1 (very good) to 6 (very poor):

6. Evaluation of the classroom conditions and prerequisites

6.1) My previous knowledge was sufficient for mastering the course content

totally true | not true at all
n=29  mw=1.9  md=2.0  s=1.2

6.2) The technical equipment (overhead, board, projector, microphone) was ready for use when necessary

6.3) The size of the room was appropriate for the course

6.4) The level of background noise in the classroom was tolerable

6.5) The room fixtures (chairs, tables, ventilation, light, etc.) were good
7. Your suggestions

7.1) In question 5.4, you rated the discussion group/tutorial. What was the main reason for your score?

The course is very good. But the grouping is not so suitable especially for foreigners and freshmen. Way for:

Good note, but often the speed was too slow for me.

The course should not only capture rapid mover but also help understand the course content. Clear slides, understandable, future relevant.
The lecture and tutorial portions of the course contained enough information to teach the topic. Tutorial could have been better explained.

It was one of the essential courses for other courses & has economic applications in practice.

good lecture, project work was fun and eager to understand the content better.

7.2) What did you like most during the course?

Team Project.

Practical exercises - use learned knowledge, also helped understanding and remembering the themes.
The spectrum of covered algorithms.

The tutorials were fun and challenging. But it was interesting that the person teaching the tutorial didn't go through examples step by step before doing the exercise.

The professor was well-prepared and ready to explain.

The project is very helpful to understand the concepts in practice.

The project was fun and helped for understanding the content of the lecture better.

Offer to do feedback sessions with instructors to discuss project progress.

7.3 What did you definitely not like during the course?

The time scheduled for presentations!!! during exams !!!!
The way of grouping

the inconsistency of the slides (generalization error/error; different words for the same thing)

lots of miscommunication between students and professors. The professor seemed like he didn’t care about the student learning process.

I'm not sure how important it is to work with Python. I mean, it can't be used in business tasks, in my opinion. Maybe it's better to justify why it's better to use it instead of programming or other apps.

Sometimes algorithms are presented just by their basic idea. Not clearly stated how to implement them.

7.4) What are your suggestions for improvement?
Slow down in the lecture.

Don’t use too much time for simple algorithms, and maybe you could get a bigger room for the lecture and more exercise slots so that everybody who wants can attend.

- no shortcoming time & date changes
- collect all presentations to project presentations

ILIAS as single source of content.
Professors and assistants need to start enjoying what they do and find happiness in their teaching abilities. They seem to distance themselves from the student as much as possible.

The project is very important, so the goal of doing it just underestimating the importance of data mining application it is very helpful as it is now. But if the goal is to work with methods, instructor should emphasize on parameters.

Maybe provide the query for a mid-term (four students to recap in the beginning so they can write hands for the project too).