

# Course evaluation report - CEQ, FMSN55

## Basic facts

|                                      |  |  |   |
|--------------------------------------|--|--|---|
| Course name                          | <b>Statistical Modelling of Extreme Values</b> |  |   |
| Course code                          | FMSN55   |  | <b>Study hours according to the curricula</b> |
| ECTS credits                         | 7.5 hp   |  | Lectures 28 h                                 |
| Year                                 | 202021   |  | Group work 14 h                               |
| Study period the course was finished | VT_LP2   |  | Laboratories 9 h                              |
| Programme                            | all  |  | Time with supervisor 1 h                      |
| Registrated students                 | 29   |  | Self study time 120 h                         |
| Number answers and response rate     | 14 / 48 %                                      |  |   |
| Number answers from males            | 6  |  |   |
| Number answers from females          | 7  |  |   |

Since less than 20 students have answered the questionnaire no statistical significance tests have been made.

## Summary of questionnaires

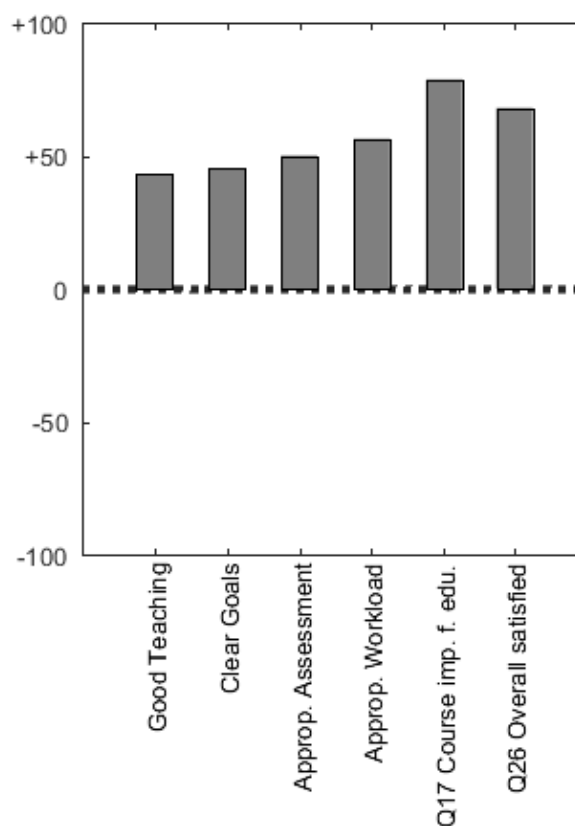
The CEQ-score span between -100 och +100, there -100 means that "I fully disagree to the statement" and +100 "I fully agree to the statement".

### Presence at teaching

| Part of teaching | Number | Share |
|------------------|--------|-------|
| 0 %              | 0      | 0 %   |
| 20 %             | 1      | 7 %   |
| 40 %             | 0      | 0 %   |
| 60 %             | 1      | 7 %   |
| 80 %             | 7      | 50 %  |
| 100 %            | 4      | 29 %  |

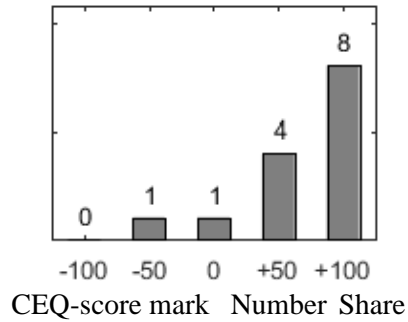
### CEQ-scales & special questions

| Scale                                    | CEQ-score | StdDev |
|--|-----------|--------|
| Good Teaching                            | +43       | 48     |
| Clear Goals and Standards                | +45       | 51     |
| Appropriate Assessment                   | +50       | 32     |
| Appropriate Workload                     | +56       | 33     |
| Generic Skills                           | +35       | 49     |
| <b>Special questions</b>                 |           |        |
| The course seems important for my edu.   | +79       | 43     |
| Overall, I am satisfied with this course | +68       | 46     |



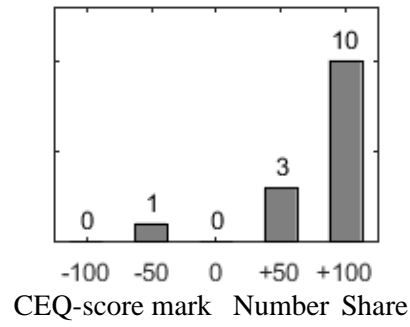
**Distribution of the answers from question 26: "Overall, I am satisfied with this course"**

**Distribution of the answers from question 17: "The course seems important for my education"**



|                   |    |      |
|-------------------|----|------|
| Dissatisfied (<0) | 1  | 7 %  |
| Neutral (0)       | 1  | 7 %  |
| Satisfied (>0)    | 12 | 86 % |
| No answer         | 0  | 0 %  |

|                             |     |
|-----------------------------|-----|
| Mean of CEQ-score           | +68 |
| Standard deviation (StdDev) | 46  |
| Males                       | +92 |
| Females                     | +64 |



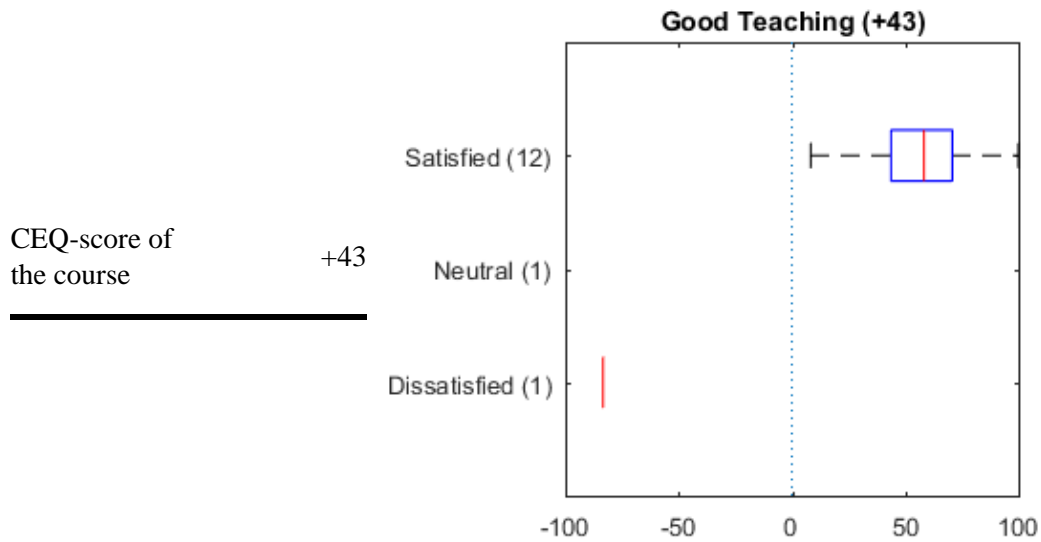
|      |    |      |
|------|----|------|
| -100 | 0  | 0 %  |
| -50  | 1  | 7 %  |
| +0   | 0  | 0 %  |
| +50  | 3  | 21 % |
| +100 | 10 | 71 % |

|                             |     |
|-----------------------------|-----|
| Mean of CEQ-score           | +79 |
| Standard deviation (StdDev) | 43  |
| Males                       | +92 |
| Females                     | +86 |

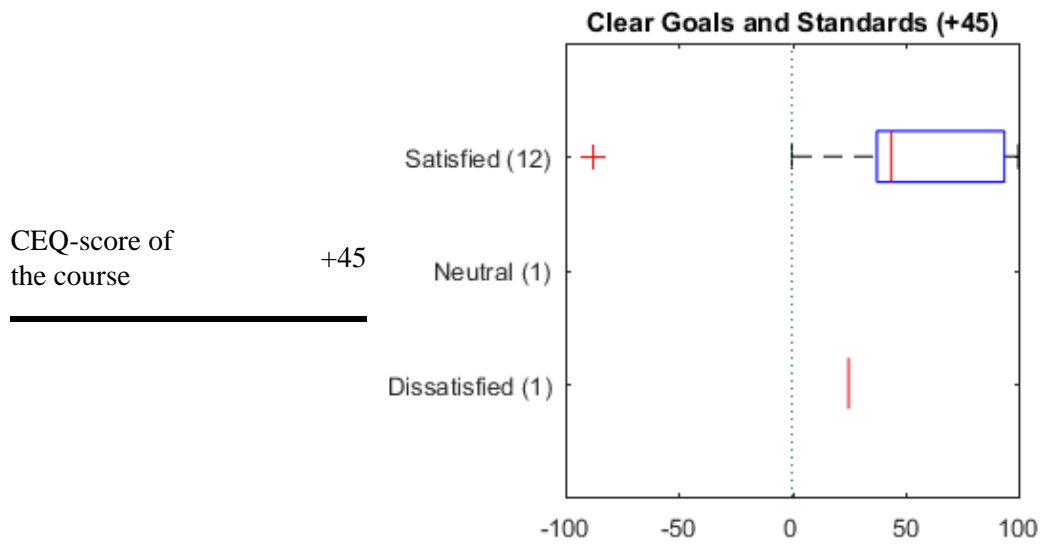
## Summary scales divided on satisfaction

*Statistical examination has not been done due to at least two groups consist of less than five students*

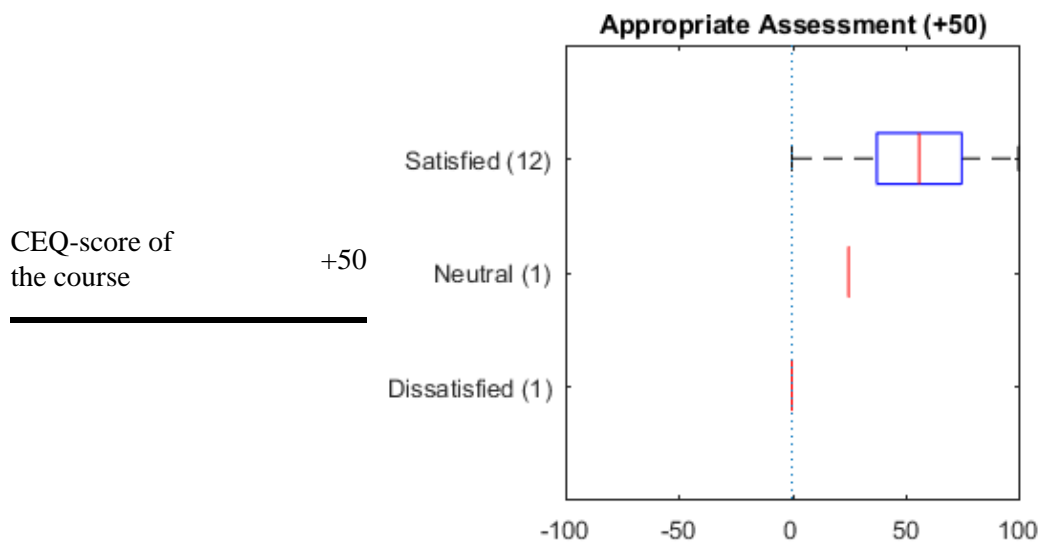
**Good Teaching**



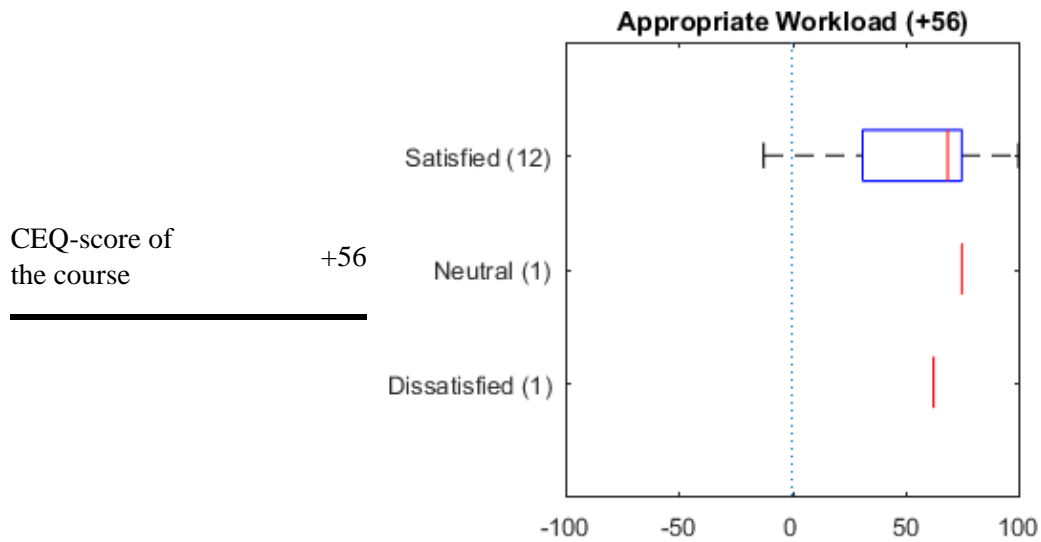
**Clear Goals and Standards**



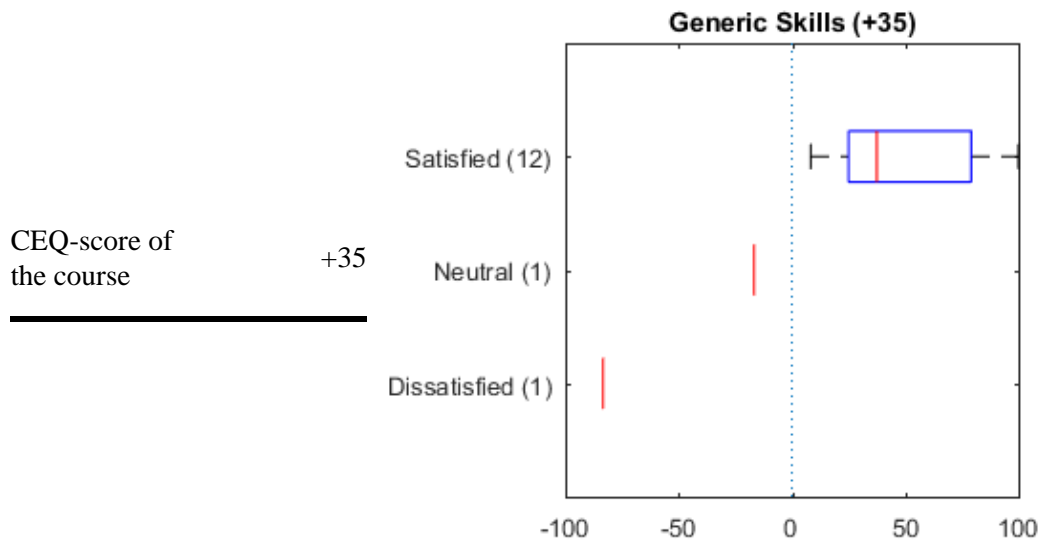
**Appropriate Assessment**



### Appropriate Workload



### Generic Skills



## Answers to each question

*The questions in bold are reverse positive.*

*Statistical examination between dissatisfied and satisfied has not been done due to at least one of the groups consist of less than five students*

## Good Teaching (+43)

| Question   | CEQ-score | Histogram   |       |           |      |   |     |   |   |   |     |   |      |   |
|--|-----------|---|-------|-----------|------|---|-----|---|---|---|-----|---|------|---|
| 3. The teaching has motivated me to do my best   | +35       | <table border="1"> <caption>Data for Question 3 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>1</td> </tr> <tr> <td>-50</td> <td>1</td> </tr> <tr> <td>0</td> <td>3</td> </tr> <tr> <td>+50</td> <td>4</td> </tr> <tr> <td>+100</td> <td>4</td> </tr> </tbody> </table>  | Score | Frequency | -100 | 1 | -50 | 1 | 0 | 3 | +50 | 4 | +100 | 4 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 3         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 7. During the course I have received many valuable comments on my achievements                                     | +0        | <table border="1"> <caption>Data for Question 7 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>2</td> </tr> <tr> <td>-50</td> <td>2</td> </tr> <tr> <td>0</td> <td>5</td> </tr> <tr> <td>+50</td> <td>4</td> </tr> <tr> <td>+100</td> <td>1</td> </tr> </tbody> </table>  | Score | Frequency | -100 | 2 | -50 | 2 | 0 | 5 | +50 | 4 | +100 | 1 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 5         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 15. The teachers made a real effort to understand the problems and difficulties one might be having in this course | +46       | <table border="1"> <caption>Data for Question 15 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>1</td> </tr> <tr> <td>-50</td> <td>0</td> </tr> <tr> <td>0</td> <td>3</td> </tr> <tr> <td>+50</td> <td>3</td> </tr> <tr> <td>+100</td> <td>5</td> </tr> </tbody> </table> | Score | Frequency | -100 | 1 | -50 | 0 | 0 | 3 | +50 | 3 | +100 | 5 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 3         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 3         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 5         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 18. The teaching staff normally gave me helpful feedback on the progress of my work                                | +18       | <table border="1"> <caption>Data for Question 18 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>1</td> </tr> <tr> <td>-50</td> <td>1</td> </tr> <tr> <td>0</td> <td>6</td> </tr> <tr> <td>+50</td> <td>4</td> </tr> <tr> <td>+100</td> <td>2</td> </tr> </tbody> </table> | Score | Frequency | -100 | 1 | -50 | 1 | 0 | 6 | +50 | 4 | +100 | 2 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 6         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 19. My lecturers were extremely good at explaining things  | +62       | <table border="1"> <caption>Data for Question 19 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>1</td> </tr> <tr> <td>-50</td> <td>0</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>2</td> </tr> <tr> <td>+100</td> <td>8</td> </tr> </tbody> </table> | Score | Frequency | -100 | 1 | -50 | 0 | 0 | 2 | +50 | 2 | +100 | 8 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 8         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 21. The teachers on the course worked hard to make the subject interesting   | +62       | <table border="1"> <caption>Data for Question 21 Histogram</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>1</td> </tr> <tr> <td>-50</td> <td>0</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>2</td> </tr> <tr> <td>+100</td> <td>8</td> </tr> </tbody> </table> | Score | Frequency | -100 | 1 | -50 | 0 | 0 | 2 | +50 | 2 | +100 | 8 |
| Score  | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 8         |   |       |           |      |   |     |   |   |   |     |   |      |   |

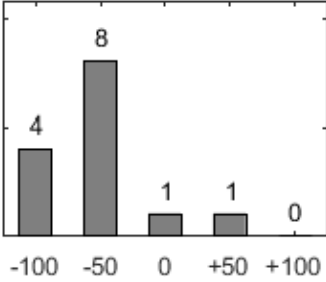
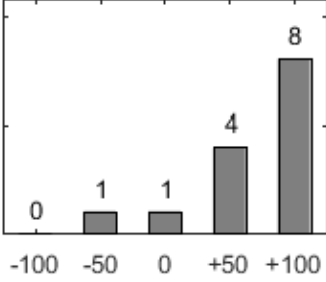
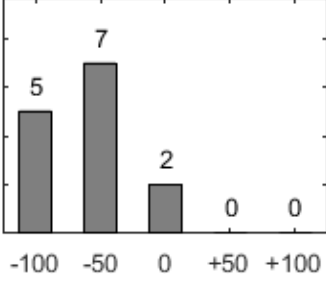
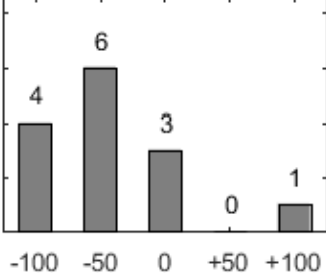
## Clear Goals and Standards (+45)

| Question  | CEQ-score  | Histogram  |       |           |      |   |     |   |   |   |     |   |      |   |
|---|------------|--|-------|-----------|------|---|-----|---|---|---|-----|---|------|---|
| 1. It was easy to know the standard of work expected  | +54        | <table border="1"> <caption>Histogram Data for Question 1</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>0</td></tr> <tr><td>-50</td><td>1</td></tr> <tr><td>0</td><td>1</td></tr> <tr><td>+50</td><td>8</td></tr> <tr><td>+100</td><td>4</td></tr> </tbody> </table>  | Score | Frequency | -100 | 0 | -50 | 1 | 0 | 1 | +50 | 8 | +100 | 4 |
| Score   | Frequency  |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 0          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 1          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 1          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 8          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 4          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 6. I usually had a clear idea of where I was going and what was expected of me in this course | +46        | <table border="1"> <caption>Histogram Data for Question 6</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>1</td></tr> <tr><td>-50</td><td>0</td></tr> <tr><td>0</td><td>4</td></tr> <tr><td>+50</td><td>3</td></tr> <tr><td>+100</td><td>6</td></tr> </tbody> </table>  | Score | Frequency | -100 | 1 | -50 | 0 | 0 | 4 | +50 | 3 | +100 | 6 |
| Score   | Frequency  |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 1          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 0          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 4          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 3          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 6          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| <b>13. It was often hard to discover what was expected of me in this course</b>               | <b>-43</b> | <table border="1"> <caption>Histogram Data for Question 13</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>4</td></tr> <tr><td>-50</td><td>6</td></tr> <tr><td>0</td><td>3</td></tr> <tr><td>+50</td><td>0</td></tr> <tr><td>+100</td><td>1</td></tr> </tbody> </table> | Score | Frequency | -100 | 4 | -50 | 6 | 0 | 3 | +50 | 0 | +100 | 1 |
| Score   | Frequency  |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 4          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 6          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 3          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 0          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 1          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 25. The teachers made it clear right from the start what they expected from the students      | +35        | <table border="1"> <caption>Histogram Data for Question 25</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>1</td></tr> <tr><td>-50</td><td>0</td></tr> <tr><td>0</td><td>5</td></tr> <tr><td>+50</td><td>3</td></tr> <tr><td>+100</td><td>4</td></tr> </tbody> </table> | Score | Frequency | -100 | 1 | -50 | 0 | 0 | 5 | +50 | 3 | +100 | 4 |
| Score   | Frequency  |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 1          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 0          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 5          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 3          |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 4          |  |       |           |      |   |     |   |   |   |     |   |      |   |

## Appropriate Assessment (+50)

| Question  | CEQ-score | Histogram   |       |           |      |   |     |   |   |   |     |   |      |   |
|---|-----------|---|-------|-----------|------|---|-----|---|---|---|-----|---|------|---|
| 8. To do well in this course all you really needed was a good memory  | -39       | <table border="1"> <caption>Histogram Data for Question 8</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>4</td> </tr> <tr> <td>-50</td> <td>6</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>1</td> </tr> <tr> <td>+100</td> <td>1</td> </tr> </tbody> </table>  | Score | Frequency | -100 | 4 | -50 | 6 | 0 | 2 | +50 | 1 | +100 | 1 |
| Score   | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 6         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 12. The teachers seemed more interested in testing what I had memorised than what I had understood          | -46       | <table border="1"> <caption>Histogram Data for Question 12</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>6</td> </tr> <tr> <td>-50</td> <td>4</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>1</td> </tr> <tr> <td>+100</td> <td>1</td> </tr> </tbody> </table> | Score | Frequency | -100 | 6 | -50 | 4 | 0 | 2 | +50 | 1 | +100 | 1 |
| Score   | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 6         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 4         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 1         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 16. The assessment methods employed in this course required an in-depth understanding of the course content | +50       | <table border="1"> <caption>Histogram Data for Question 16</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>0</td> </tr> <tr> <td>-50</td> <td>0</td> </tr> <tr> <td>0</td> <td>3</td> </tr> <tr> <td>+50</td> <td>8</td> </tr> <tr> <td>+100</td> <td>3</td> </tr> </tbody> </table> | Score | Frequency | -100 | 0 | -50 | 0 | 0 | 3 | +50 | 8 | +100 | 3 |
| Score   | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 3         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 8         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 3         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 20. Too much of the assessment was just about facts   | -64       | <table border="1"> <caption>Histogram Data for Question 20</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>6</td> </tr> <tr> <td>-50</td> <td>6</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>0</td> </tr> <tr> <td>+100</td> <td>0</td> </tr> </tbody> </table> | Score | Frequency | -100 | 6 | -50 | 6 | 0 | 2 | +50 | 0 | +100 | 0 |
| Score   | Frequency |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -100  | 6         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| -50   | 6         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| 0   | 2         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +50   | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |
| +100  | 0         |   |       |           |      |   |     |   |   |   |     |   |      |   |

## Appropriate Workload (+56)

| Question   | CEQ-score | Histogram  |       |           |      |   |     |   |   |   |     |   |      |   |
|--|-----------|--|-------|-----------|------|---|-----|---|---|---|-----|---|------|---|
| 4. The workload has been much too heavy  | -54       |  <table border="1"> <caption>Histogram Data for Question 4</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>4</td> </tr> <tr> <td>-50</td> <td>8</td> </tr> <tr> <td>0</td> <td>1</td> </tr> <tr> <td>+50</td> <td>1</td> </tr> <tr> <td>+100</td> <td>0</td> </tr> </tbody> </table>    | Score | Frequency | -100 | 4 | -50 | 8 | 0 | 1 | +50 | 1 | +100 | 0 |
| Score  | Frequency |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 4         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 8         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 1         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 1         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 0         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 14. I was generally given enough time to understand the things I had to learn                      | +68       |  <table border="1"> <caption>Histogram Data for Question 14</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>0</td> </tr> <tr> <td>-50</td> <td>1</td> </tr> <tr> <td>0</td> <td>1</td> </tr> <tr> <td>+50</td> <td>4</td> </tr> <tr> <td>+100</td> <td>8</td> </tr> </tbody> </table>   | Score | Frequency | -100 | 0 | -50 | 1 | 0 | 1 | +50 | 4 | +100 | 8 |
| Score  | Frequency |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 0         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 1         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 1         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 4         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 8         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 22. There was a lot of pressure on me as a student in this course                                  | -61       |  <table border="1"> <caption>Histogram Data for Question 22</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>5</td> </tr> <tr> <td>-50</td> <td>7</td> </tr> <tr> <td>0</td> <td>2</td> </tr> <tr> <td>+50</td> <td>0</td> </tr> <tr> <td>+100</td> <td>0</td> </tr> </tbody> </table>  | Score | Frequency | -100 | 5 | -50 | 7 | 0 | 2 | +50 | 0 | +100 | 0 |
| Score  | Frequency |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 5         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 7         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 2         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 0         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 0         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 24. The sheer volume of work in this course made it impossible to comprehend everything thoroughly | -43       |  <table border="1"> <caption>Histogram Data for Question 24</caption> <thead> <tr> <th>Score</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>-100</td> <td>4</td> </tr> <tr> <td>-50</td> <td>6</td> </tr> <tr> <td>0</td> <td>3</td> </tr> <tr> <td>+50</td> <td>0</td> </tr> <tr> <td>+100</td> <td>1</td> </tr> </tbody> </table> | Score | Frequency | -100 | 4 | -50 | 6 | 0 | 3 | +50 | 0 | +100 | 1 |
| Score  | Frequency |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -100   | 4         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| -50  | 6         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| 0  | 3         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +50  | 0         |  |       |           |      |   |     |   |   |   |     |   |      |   |
| +100   | 1         |  |       |           |      |   |     |   |   |   |     |   |      |   |



## Generic Skills (+35)

| Question  | CEQ-score | Histogram   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
|---|-----------|---|-----------|-----------|------|---|-----|---|-----|---|-----|---|----|---|-----|---|-----|---|
| 2. The course has developed my problem-solving skills                                     | +68       | <table border="1"> <caption>Data for Histogram 2</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>0</td></tr> <tr><td>-75</td><td>1</td></tr> <tr><td>-50</td><td>0</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>6</td></tr> <tr><td>+50</td><td>7</td></tr> </tbody> </table>  | Score Bin | Frequency | -100 | 0 | -75 | 1 | -50 | 0 | -25 | 0 | +0 | 0 | +25 | 6 | +50 | 7 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 6         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 7         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| 5. The course has sharpened my analytic skills  | +57       | <table border="1"> <caption>Data for Histogram 5</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>0</td></tr> <tr><td>-75</td><td>2</td></tr> <tr><td>-50</td><td>0</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>6</td></tr> <tr><td>+50</td><td>6</td></tr> </tbody> </table>  | Score Bin | Frequency | -100 | 0 | -75 | 2 | -50 | 0 | -25 | 0 | +0 | 0 | +25 | 6 | +50 | 6 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 2         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 6         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 6         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| 9. The course helped me develop my ability to work in a group                             | +11       | <table border="1"> <caption>Data for Histogram 9</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>1</td></tr> <tr><td>-75</td><td>4</td></tr> <tr><td>-50</td><td>3</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>3</td></tr> <tr><td>+50</td><td>3</td></tr> </tbody> </table>  | Score Bin | Frequency | -100 | 1 | -75 | 4 | -50 | 3 | -25 | 0 | +0 | 0 | +25 | 3 | +50 | 3 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 4         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 3         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 3         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 3         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| 10. The course has made me feel more confident about tackling new and unfamiliar problems | +57       | <table border="1"> <caption>Data for Histogram 10</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>1</td></tr> <tr><td>-75</td><td>0</td></tr> <tr><td>-50</td><td>1</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>6</td></tr> <tr><td>+50</td><td>6</td></tr> </tbody> </table> | Score Bin | Frequency | -100 | 1 | -75 | 0 | -50 | 1 | -25 | 0 | +0 | 0 | +25 | 6 | +50 | 6 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 6         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 6         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| 11. The course has improved my skills in written communication                            | +0        | <table border="1"> <caption>Data for Histogram 11</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>2</td></tr> <tr><td>-75</td><td>3</td></tr> <tr><td>-50</td><td>5</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>1</td></tr> <tr><td>+50</td><td>3</td></tr> </tbody> </table> | Score Bin | Frequency | -100 | 2 | -75 | 3 | -50 | 5 | -25 | 0 | +0 | 0 | +25 | 1 | +50 | 3 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 2         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 3         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 5         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 3         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| 23. The course has helped me to develop the ability to plan my work                       | +14       | <table border="1"> <caption>Data for Histogram 23</caption> <thead> <tr> <th>Score Bin</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>-100</td><td>1</td></tr> <tr><td>-75</td><td>2</td></tr> <tr><td>-50</td><td>5</td></tr> <tr><td>-25</td><td>0</td></tr> <tr><td>+0</td><td>0</td></tr> <tr><td>+25</td><td>4</td></tr> <tr><td>+50</td><td>2</td></tr> </tbody> </table> | Score Bin | Frequency | -100 | 1 | -75 | 2 | -50 | 5 | -25 | 0 | +0 | 0 | +25 | 4 | +50 | 2 |
| Score Bin   | Frequency |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -100  | 1         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -75   | 2         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -50   | 5         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| -25   | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +0  | 0         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +25   | 4         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |
| +50   | 2         |   |           |           |      |   |     |   |     |   |     |   |    |   |     |   |     |   |

## Free text answers

*The free text answers are pre-reviewed by the students' representatives.*

### What were the best aspects of the course

#### Satisfied students

Laborationerna var intressanta och gav bra förståelse.

Intressant ämne

Jag tyckte verkligen om att Nader visade exempel och artiklar från verkliga livet, kursen blev mer förståelig då och jag blev mer motiverad att studera. Jag tyckte också om att Nader repeterade lite från föregående lektion i början av varje lektion samt att han var noga med att berätta vad som var viktigt att kunna och förstå. Han var också väldigt bra på att förklara och ritade bra bilder. Han är en av de bästa föreläsare jag haft hittills.

Även seminarieledarna var väldigt bra, både Per-Niklas och Henrik var superbra på att förklara och väldigt snälla. De brydde sig verkligen om att man förstod. Kan inte tänka mig bättre seminarieledare!

Bra exempel på hur teorin kan användas i praktiken.

The seminar/lab teachers were very helpful in exercises and labs.

Undervisning helt klart! Tycker att upplägget varit bra. Föreläsningarna var en blandning av teori och matematik och för ökad förståelse används Matlab på en väldigt bra sätt. Definitivt en av de bästa föreläsare jag haft på min tid vid universitetet!

Nadir was very pedagogical and explained the course material well. The course book was also quite accessible.

#### Neutral students

Uppgifterna var lagom svåra. Det var bra att läraren har gett exempel under undervisningen, vilket gjorde det lättare att relatera till frågorna.

#### Dissatisfied students

### What aspects of the course are most in need of improvement?

#### Satisfied students

Det hade varit fördelaktigt med seminarium där en del av uppgifterna gicks igenom, framförallt när kursen ges på distans. Formatet på föreläsningarna var kanske inte helt optimalt, det hade varit trevligt med tydligare föreläsninganteckningar!

I liked the course in general, but it would have been nice if the lectures were recorded so one could go back and watch again.

Behövs lösningsförslag till uppgifterna. Väldigt svårt att lösa som annars och övningstillfällena räcker inte till, speciellt när det är online. Man lärde sig nästan mest i kursen genom att gå igenom extentorna som va de enda som hade lösningsförslag.

Inget vad jag kommer på.

Det skulle underlätta om där fanns ett diskussions forum i canvas också så att elever kan fråga frågor om uppgifter där också.

LockDown Browser's miniräknare var otroligt dålig.

I had troubles with following the structure of the lectures. For first few weeks they were very concrete and easy to follow, but in latter part of the course I felt the lectures often ended in random moments, i.e. we didn't finish whole purpose/issue and continue on the next lecture, which was really hard to follow.

Jag tycker att det vore mer givande om lärarna på övningstillfällena gick igenom bestämda uppgifter istället för att enbart svara på frågor. I övrigt var jag väldigt nöjd med kursen!

I would love to have access to Nadir's notes and lecture notes after the lecture. Some of the power points were posted, but his lecture notes would be great as well, in case one was not sure about something afterward.

I really enjoyed the labs being examples from the book. But one can follow the book a bit too closely. Maybe changing up the data a bit more compared to the book would be more pedagogical.

### **Neutral students**

### **Dissatisfied students**

there was barely any teacher-student interaction during zoom lectures. we kept it to the minimum. the teacher was not very supportive with students' learning. he didn't allow us to record the lectures, nor did he make the lecture notes available even though it was pandemic time and this could be very helpful for students to learn. Moreover, we had to use respondus, a facial recognition software so we could be monitored during the exam. Given the fact that the teacher never wanted to be recorded, he didn't seem to have any problem with us being recorded. Nor did he care that maybe we also don't want to be recorded. Does this practice even in accordance with GDPR?

In my experience with other course, the teachers usually just make the exams more challenging and give us more time to work on the exams on our own. Nobody needs to be recorded and uploaded online. I didn't feel stressed about doing things that might make the software think I was cheating and could focus better on the exam.