Brain-computer interfacing (BCI)

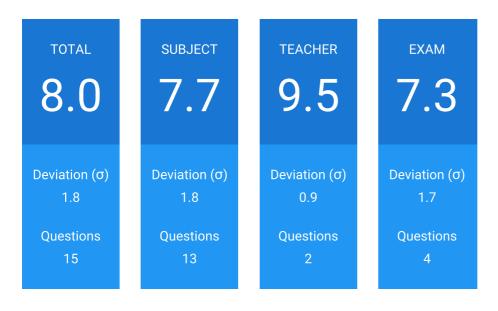*Results from 07-02-2018 till 21-02-2018*

Respondents (n) 21 of the 81

Total average

Below are the total averages of all evaluations of this program. These averages are composed of all results on all questions. Except if a question meets one of the following constraints:

- It is a "Yes / No" question

- It's an "Open question"

- The question is part of a set of questions where is explicitly stated that they may not be included in the average.

TOTAL	SUBJECT	TEACHER	EXAM
8.0	7.7	9.5	7.3
Deviation (σ) 1.8	Deviation (σ) 1.8	Deviation (σ) 0.9	Deviation (σ) 1.7
Questions 15	Questions 13	Questions 2	Questions 4

Total average per question

Below are the total averages per question of this evaluation.

The learning objectives (what you should know and be able to do by the end) of the course were clear to me.
Disagree to agree | 0.9σ | n 21

Agree (4.0)

The practical meetings were worthwhile.
Disagree to agree | 0.9σ | n 21

Agree (4.1)

The coherence between the different components of the course is
Very little to very much | 0.7σ | n 21

Much (4.1)

De samenwerking met mijn medestudenten heeft bijgedragen aan verdieping van de leerstof
Disagree to agree | 1.1σ | n 21

Neutral (3.3)

Studying the course materials was necessary to successfully complete the course.
Disagree to agree | 0.8σ | n 21

Strongly agree (4.5)

The organisation (e.g. the planning, scheduling, method of information provision) of the course was good.
Disagree to agree | 0.7σ | n 21

Agree (4.3)

The information provided before and during the course was sufficient.
Disagree to agree | 0.7σ | n 21

Agree (4.0)

The time that I spent on this course was less/more/equal to the number of course credits (EC).
Less to more | 0.8σ | n 21

Average (3.1)

My general opinion of the course is
Bad to good | 0.6σ | n 21

Good (4.1)

My general opinion of the lecturer(s) is
Bad to good | 0.5σ | n 21

Very good (4.6)

The lecturer had a good command of English.
Disagree to agree | 0.3σ | n 21

Strongly agree (4.9)

The difficulty level of the exam was appropriate.
Disagree to agree | 1.0σ | n 21

Agree (3.7)

The sample questions provided beforehand gave me a good impression of what the exam would be like.

Agree (3.5)

Disagree to agree | 1.0σ | n 21

The assessments reflected the learning objectives of the course well.
Disagree to agree | 0.7σ | n 21

Agree (3.8)

The assessment criteria were sufficiently clear beforehand.
Disagree to agree | 0.6σ | n 21

Agree (3.7)

Open questions

Below are the results of each open question of this evaluation.

What do you think are the strong points of the course?

n 21

1. hands-on experience, good lectures

2. Good set up with the two parts: practical and exam

3. Good lecturer, planning is clear and correct, fun to do and interesting at the same time

4. Practical experience with EEG.

5. interesting, well taught

6. .

7. That the teacher was really excited about the subject of the course, and that the student were really involved in the way that we could try to think of our own experiment with EEG.

8. It has given me, as a computer science student, a new insight in how the brain works and also what kind of things you can do by measuring brain signals with an eeg cap.

9. the subject is very interesting with a strong potential. The content of lectures was pretty clear and very good. Perfect recap lecture for the exam. Very well structured lectures and the coherent.

10. The practical was great

11. Learn to use BCI's in practical sessions, work in teams, apply knowledge gained from other brain courses.

12. You get a broad understanding of the workings and applications of BCI.

13. -

14. practical associated to the theory

15. Practical part with actual usage of a BCI advice

16. The lectures are quite good and fun (most of the time).

17. The lecture style.

18. I liked this course a lot, because I have learned a lot of new things. Especially the practicals are very informative.

19. Understandable lectures and diversity in lecturers, with sufficient help at the practicals

20. The practicals.

21. theory with exam before starting the practical. practical assignment itself.

If you see areas that could be improved in the course, what are your suggestions?

n 21

1. probably cant really be helped, but BCI practicals were rather lacking in actual effectiveness

2. More practise questions

3. /

4. None.

5. more info on writing the paper

6. A book or a lecture notes handout explaining the material clearly. The slides were not always clear. I missed a lecture due to illness and had no idea what the lecture was about when revising it at home. For example, certain slides had an image of a signal, but if there is no text, it is hard for me to interpret the signal.

7. Maybe a bit more explantation about how to analyze the data you got from the experiment, and what came out of the analyzation

8. I personally would have liked to program an application that uses the eeg as one of it's inputs and does something 'cool' with it

9. The exam was tricky with not enough time. Also, some questions were hard to understand what do you want from me. The biggest issue was the group work which should be certainly evaluated the same value as the exam and importantly not expected during the Xmas period! Nobody wanted to work and cooperation and meetings are impossible. Secondly, the group work should be evaluated based on who did what and how so it should contain an individual component and group component. Also, the analysis was not explained properly to do such a report. The instructions were not clear and complete.

10. none

11. Get feedback based on peer review submissions (from the final group report), since I was informed that when there are big fluctuations in the participation of group members, some grades would be adjusted.

12. -

13. -

14. nothing

15. More slots for the EEG recordings, better organisation of the EEG data collection

16. Better information sharing. It was quite a mess on blackboard and git - That could have been made easier.

17. Deadline for group project right after holidays

18. The practicals were a little short to do the entire experiment.

19. The equipment at the practicals did not always work

20. The lectures are too broad, it is not clear enough what is asked on the exam.

21. We struggled with the analysis of the data. As this had to be done in the Christmas break, we didn't have an easy opportunity to ask teachers/practical assistants or other students. The planning with the deadline right after the Christmas break is not ideal with people going back home to their parents.

Other comments and/or explanations regarding the answers you gave to specific questions.

n 21

1. .

2. -

3. /

4. -

5. --

6. .

7. no

8. Jason is very energetic and motivating

9. no

10. -

11. No other comments

12. -

13. -

14. no

15. No

16. no

17. No

18. -

19. -

20. -

21. I missed example questions for the exam and a clearer explanation of the learning objectives/studying material. I felt that the exam was really hard and asked questions that I didn't expect beforehand, even though I studied really really well and made notes at all lectures.