Kursrapport MT7049 Statistisk inlärning HT24

. Beskrivning av kursupplägget.

Beskrivning av kursupplägget.

The course introduces basic principles and methods in statistical learning, classification, prediction and validation. Topics that are covered include regression, classification analysis, model assessment and selection, regularization methods, tree-based methods, vector machines, etc.

. Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

Similarly to the previous year, several positive comments were made on the projects. The lectures seemed to be helpful to get a basic/good understanding of the course contents and the implementation of methods was a good way to learn. Examples on the whiteboard were helpful and could have been more numerous.

. Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

Some students worried about the grading criteria for the projects. Those should be clarified. In general, it would be nice to complete the main preparations for each lecture about two days earlier to have some time to reflect. Unfortunately, September-November tends to be the main period for grant applications with some unexpected opportunities popping up. It is desirable to grade the projects as early as possible while meeting all other deadlines for the end of the year.
For written exams between January 10 and 18, it would be very helpful if lecturers had the possibility to submit the exam sheet also between Christmas and New Year. Some typos on the exam sheet could have been easily avoided without the deadline on December 17.

. Slutsatser samt förslag till förbättringar.

Slutsatser samt förslag till förbättringar.

The course literature seems to be well-received and useful for the students. From the students' choices of topics for bachelor and master theses one can see that classification and regression are hugely popular, so the topics of the course seem to spike further interest. For future editions one should think about the examination of the first part of the course. Quizzes or some self-test might be a good idea. It will be interesting to create some multiple-choice questions, possibly AI assisted. More examples should be solved during class.