

# Kursrapport MT7049 Statistisk inlärning HT25

Antal respondenter: 1  
Antal svar: 1  
Svarsfrekvens: 100,00 %

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## . Beskrivning av kursupplägget.

### **Beskrivning av kursupplägget.**

The course provides an introduction to statistical learning, with a focus on supervised learning. Core topics include linear methods for regression and classification, model assessment and selection, regularization methods, tree-based methods, and support vector machines. Emphasis is placed on both theoretical understanding and practical implementation. A central component of the course is a series of project assignments: three individual projects with written reports, and one group project with written report, oral presentation and peer-review. The course concludes with a written examination.

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## . Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

### **Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.**

Overall, students are highly satisfied, with over 87% of respondents being satisfied or very satisfied. Key strengths of the course include: the computer projects, which are a major highlight, cited as an effective way to bridge theory and practice by applying methods to real-world data; 75% of students "totally agreed" that the course content was relevant, with high interest shown in supervised learning topics like regression and classification; the examination was viewed as fair, with students reporting that preparing for it was a valuable part of their learning process. Both the lectures and exercise sessions were appreciated for being pedagogical and for creating good conditions to achieve the learning outcomes.

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## . Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

### **Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.**

The main issue with the course, reported by several students, concerns the distribution of the workload. In fact, at the end of the course the deadlines for the projects become too close together. This also slows down the grading and delays feedback. Some tasks in the assignments were perceived as not being very clear at first and the material for exam preparation was scattered across different files (slides, exercise sheets, old exams).

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## . Slutsatser samt förslag till förbättringar.

### **Slutsatser samt förslag till förbättringar.**

The course was well appreciated by the students and the main issue of the course, i.e. the uneven distribution of workload, can be easily fixed by moving the group-project deadline and oral presentation to January. In this way the workload becomes well balanced. The material for exam preparation can also be collected all together for easier access and the assignments can be slightly revised to improve clarity.

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