

Kursrapport MT7045 HT23 period AB

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

. Beskrivning av kursupplägget.

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First of all, I'd like to thank the students for their feedback.

The course covers Bayes' formula, informative and non-informative prior distributions, posterior distributions, single- and multiparameter distributions like binomial, multinomial and normal distributions, hierarchical models, linear models, Bayesian inference and goodness-of-fit measures and stochastic simulation with MCMC (Markov Chain Monte Carlo).

. Kursens fördelar, beakta studenternas uppfattning i kursutvärderingar.

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Some positive comments were made on the mix of theory and application. The lectures seemed to be helpful to get a good understanding of the course contents and the implementation of methods on real data was a highlight. The exercises were also perceived as well thought-out.

. Kursens nackdelar, beakta studenternas uppfattning i kursutvärderingar.

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The computational exercises and tutorials were well-received and could have been more numerous. Students had to figure out mostly by themselves how to use the package and this presented a certain challenge and led to some frustration. One student remarked that the course book does not reflect the level of the course as it is not that rigorous. Further, a more traditional examination with more project work was suggested.

. Slutsatser samt förslag till förbättringar.

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For future iterations of this course, I should include lectures on how to use the programming package (Rstan) and provide some tutorials. Perhaps it would be a good idea to explore synergies with the Department of Statistics which offers a more applied course on Bayesian modelling. Since I taught this course for the first time, the materials were developed throughout the semester. Providing the exercise sheets longer in advance would be preferable. I will evaluate if an additional project can be included putting less weight on the take-home exam. Finally, I agree that the course book is not mathematically rigorous.
