Report - SF1901 - 2017-10-17

Respondents: 1
Answer Count: 1
Answer Frequency: 100.00 %

Please note that there is only one respondent to this form: the person that performs the course analysis.

Course analysis carried out by (name, e-mail):

Tatjana Pavlenko, pavlenko@kth.se

COURSE DESIGN
Briefly describe the course design (learning activities, examinations) and any changes that have been implemented since the last course offering.

Aim: Basic concepts like probabilities, conditional probabilities and independent events. Discrete and continuous random variables, especially one dimensional random variables. Measures of location, scale and dependency of random variables and data sets. Common distributions and models: normal, binomial and Poisson distribution. Central limit theorem and Law of large numbers.
Descriptive statistics. Point estimates and general methods of estimation as the method of maximum likelihood and least squares. General confidence intervals but specifically confidence intervals for mean and variance of normally distributed observations. Confidence intervals for proportions, difference in means and proportions. Testing statistical hypothesis. 2-test of distribution, test of homogeneity and contingency.

Teaching: The teaching was done by lectures, theoretical exercises and bonus giving laboration exercises.

Examination: Written exam.

PRIORITY COURSE DEVELOPMENT
What aspects of the course should primarily be developed? How could these aspects be developed in the short or long term?

Conclusions: In general, the course was according to the plan. Next time there will changes in the bonus program offering students more active learning and more applications of the theoretical results discussed during the lectures and exercises. Specifically, the plan is to come back to two laboration exercises, deeply covering both probability and statistical inference parts. This plan is in agreement with the CTFYS program and is highly appreciated. The laboration exercises will be placed accordingly after each part of the course, stimulating students to work systematically with the course material. Students are in general satisfied, they evaluate the course as an important part of their education and see the clear need of knowledge in this area for their applications. Some issues were mentioned concerning the lectures which were mainly caused by non-working equipment at the lecture rooms. Often projectors
and the system to connect the laptop were out if work, which causes delays and improvising with the lecture material due to impossibility to present is according to the initial plan.

Kursdata 2018-02-06

SF1901 - Sannolikhetsteori och statistik I, VT 2017 CTFYS1CMEDT

Kursfakta

Kursen startar:	2017 v.12
Kursen slutar:	2017 v.23
Antal högskolepoäng:	6,0
Examination:	TEN1 - Tentamen, 6,0, betygsskala: A, B, C, D, E, FX, F
Betygsskala:	A, B, C, D, E, FX, F

Bemanning

Examinator:	Camilla Johansson Landén <landen@kth.se> Thomas Önskog <onskog@kth.se>
Kursomgångsansvarig lärare:	Tetyana Pavlenko <pavlenko@kth.se>
Lärare:	Tetyana Pavlenko <pavlenko@kth.se>
Assistenter:	

Antal studenter på kursomgången

Förstagångsregistrerade:	174
Totalt registrerade:	368

Prestationer (endast förstagångsregistrerade studenter)

Examinationsgrad[1] [%]	73.00%
Prestationsgrad[2] [%]	73.00%
Betygsfördelning[3] [%, antal]	A 47% (60) B 9% (12) C 11% (14) D 14% (18) E 18% (23)

1 Andel godkända studenter
2 Andel avklarade poäng
3 Betygsfördelning för godkända studenter