Department of Psychology, Stockholm University
Doctoral program in Psychology, spring semester 2017

Syllabus: Statistics 2 (7.5 hp)

Prior knowledge

Learning outcomes
This year, the course will be merged with the course Bayesian data analysis and multilevel modeling (BAMM), and share its learning outcomes (see http://www.psychology.su.se/utbildning/alla-utbildningar/forskarnivå/kurskatalog/bayesian-data-analysis-and-multilevel-modeling-7-5hp ). In addition, there will be seminars on using the statistical software R and R-studio.

Course content
The course covers the following topics:
- Data management
- Data simulations
- Using R
- Bayesian data analysis (course BAMM)
- Multilevel modeling (course BAMM)

Activities
There will be three extra seminars before the start of BAMM on data management, tools for regression, and data simulation. After that, the course follows BAMM. Both the initial Stat 2 seminars and the BAMM seminars will be preceded on the same day by R seminars, where you may get help in using R and R studio. There are no mandatory seminars.

Examination
The examination is identical to the examination of BAMM.

Literature
Same as BAMM.