

Basics of statistical modelling (3 ECTS)

TILM3583

This intensive course is designed for those that participated “Basics of statistics” –course in December 2016 and have already some knowledge of statistics and statistical methods.

TOPICS OF THE COURSE

- How to investigate associations and dependencies between 3 or more variables?
- How to compare groups when there are more than one categorical predictor in model?
- How to reduce dimensions when you have lot of questions in your questionnaire?

TIMETABLE (week 22)

Lectures

- Tuesday 30.5.2017; 10:00 – 14:00, Quantum XVII
- Wednesday 31.5.2017; 10:00 – 14:00, Quantum XVII

Practicals

Group 1:

- Wednesday 31.5.2017 8:15-9:45, Thursday 1.6.2017 8.15-9:45, it112 Quantum

Group 2:

- Wednesday 31.5.2017 14:15-15:45, Thursday 1.6.2017 10.15-11:45, it112 Quantum

TEACHING METHODS AND EVALUATION

- Lectures and group assignments (8 h)
- Computer practicals (4 h)
- Active participation in practicals (pass/fail)

TEACHER

- Lecturer Jouko Katajisto

LEARNING OUTCOMES

By the end of the course the student should be able to

- Understand the basic principles of statistical modelling;
- Use suitable methods for different types of outcome variables;
- Form statistical models with multiple predictors and interpret the results

REGISTRATION (**starts at 8:00 15th May**):

in NettiOpsu

Max 40 participants