

# STATISTICAL THINKING AND PERFORMING BASIC ANALYSES USING JMP

A Intensive Course Given in English, 2+1 ECTS

## Objectives

The objective is to understand the basic concepts and methods of descriptive and inferential statistical analysis. The participants will learn to conduct analyses in JMP. The main focus will be in clinical trials (bio/medical), comparison between two/multiple groups, focus will be on numerical data analysis.

## Content of the course will be following:

- The idea of statistical inference
- The connection of study objectives and statistical hypothesis
- Descriptive statistics
- Basic statistical tests for numerical data
- Basic statistical tests for categorical data
- Quick review for special tests: survival analyses, repeated measures
- How to find appropriate statistical method
- Statistical reporting

## Schedule

27.9. Mon 9.15-12.30, zoom

28.9. Tue 9.15-12.30, zoom

29.9. Wed 9.15-12.30, zoom

30.9. Thu 9.15-12.30, zoom

1.10. Fri 9.15-12.30, zoom

Lectures will be given by Eliisa Löyttyniemi ([Eliisa.loyttyniemi@utu.fi](mailto:Eliisa.loyttyniemi@utu.fi)).

## Registration

By 19.9.2021.

Doctoral students via Peppi

Post Docs via e-mail to Sanni Grönlund (Send your name, title or occupation, home address, date of birth, department or unit).

## Evaluation

Active participation in the course (2ECTS) plus small reporting work (1ECTS) (passed/failed).