Statistical Data Analysis II – Spring semester

Caterina Giusti

3 ECTS
SECS-S/01

Programme in English:

The aim of the course is to introduce students who have already studied the basic concepts of statistical inference and of the linear regression model to the analysis of categorical data, with a special focus on generalized linear models.
The course will first introduce the distributions and inference for categorical data and for contingency tables. Then, the course will introduce generalized linear models. The course will then focus on logistic regression.
During the course exercises and case studies will be solved using the R software.

The exam will consist in a written and oral test.

Books:
Agresti A. (2002) Categorical Data Analysis - Second Edition
McCullagh P., Nelder J.A. (1989) Generalized Linear Models – Second Edition, Chapman & Hall