Generalized Linear Models for rating data

§ Name of instructor
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§ Short description
A Corner Stone: Linear predictors. Link functions. Models for dichotomous data: logit and probit model. Models for categorical data. Ordinal data models. Estimation Methods, Indicators and Testing to evaluate the goodness of fit.

Further developments on categorical data analysis: Introduction. Inference and Methods of Estimation. Indicators and tests to evaluate the goodness of fit. Discussion of case studies.

§ Schedule
1. Basic principles of categorical data
2. Binary data models
3. Polytomous data models

§ Background

Agresti A. (2013), Categorical Data Analysis (3rd Edition), Wiley: Hoboken, NJ.

Agresti, A. (2010). Analysis of Ordinal Categorical Data. Wiley

§ Facilities Required
- Software: R, open source, with the R package Mass and ordinal installed
- Course Material. All course materials, including the data and R scripts for the examples, will be made available for course participants.