

Statistics and Data Analysis- Advanced

Modules

Module 1:

Multiple Regression – Model Selection

Module 2:

Multiple Regression – Model Diagnostics

Module 3:

Explorative Data Analysis

Module 4:

Sensitivity Analysis

Module 5:

Data Mining – Big Data

Contents

- Identification of cause – effect chains
- Latent structures – principal components
- Cluster analysis
- Decision trees
- Classification of data
- Goodness of fit

Practical requirements

You are confronted with big data to...

- describe or model more complex relationships between variables
- use your data for predictions
- recognize structures in the data
- requirement: course package DA 1 or equivalent qualification