

Quantitative Methods (in Statistics)

We want to analyze data sets. In these case studies we become acquainted with statistical inferences and we will learn how to use SPSS (Statistical Product and Service Solution) and how to comment the results.

Syllabus:

1. Introduction
2. Statistical Analysis
3. Test of Stochastic Independence
4. Measures of Association
5. Goodness-of-Fit Test Normal Distribution
6. Test of the Homogeneity of Two Variances
7. Test on Two Means
8. Regression Analysis
9. Graphical Summaries of Data
10. Analysis of Variance
11. Kruskal-Wallis Test
12. Principal Components Analysis
13. Cluster Analysis

At the end of this course there will be an open-book exam.

Literature:

Title: [Analysis of Multivariate Data with SPSS, 1st ed.](#)

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Literatur:

Titel: [Analyse multivariater Daten mit SPSS, 3. Auflage](#)

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