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Stochastik IV – Graphical Data Analysis

Exercise Sheet 10: Graphics, models and R datasets

Tutorial: Tuesday, 10th January, 2012, 10.00 - 11.30 Uhr, Room 3029

The R package *HSAUR2* accompanying Hothorn and Everitt's book "A Handbook of Statistical Analyses Using R" includes several datasets, some of them used in the exercises, some analysed in the text. You can download vignettes for the data analyses in the text of the chapters from the package's CRAN website.

Carry out graphical analyses of the following *HSAUR2* datasets and compare your approach and results with the analyses in the vignettes. What information are you able to find that Hothorn and Everitt do not report? What information have they found, which you have not? Comment on how the modelling and graphics approaches complement each other in general.

1. *clouds* (Chapter on Simultaneous Inference)
2. *planets* (Chapter on Cluster Analysis)
3. *skulls* (Chapter on Analysis of Variance)