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Stochastik IV – Graphical Data Analysis

Examples of Project Work

These will be discussed in the tutorial on Tuesday, 20th December, 2011, 10.00 - 11.30 Uhr, Room 3029

1. Dataset *ais* and Webpage de.statista.com

   (a) Dataset
   The dataset *ais* is in the R package *DAAG*. What do you think of the analyses and graphics, if any, on the help page? (Be brief!) How would you analyse the dataset graphically? (Here you can go into more detail.)

   (b) Webseite
   The webpage *de.statista.com* includes data graphics and some analyses. What do you think of the page? Naturally you cannot investigate everything and you should try to discuss a representative sample of the content. The following questions may be helpful to you:

       i. What are the aims of the webpage and how would you summarise its content?
       ii. What can you say about the background and education of the main author(s)?
       iii. Discuss a selection of examples: the datasets used, the choice of graphics and the recommendations made on the page. Do you think the graphics are good?
       iv. Are there only presentation graphics or are there also exploratory graphics? Are there complete analyses of datasets or just suggestions for individual graphics? Are interactive graphics used? Are statistical methods employed?
       v. Would you recommend this webpage to others? Why?

2. Dataset *nswdemo* and Webpage www.guardian.co.uk/data-store

   (a) Dataset
   The dataset *nswdemo* is in the R package *DAAG*. What do you think of the analyses and graphics, if any, on the help page? (Be brief!) How would you analyse the dataset graphically? (Here you can go into more detail.)

   (b) Webpage
   The webpage *www.guardian.co.uk/data-store* includes data graphics and some analyses. What do you think of the page? Naturally you cannot investigate everything and you should try to discuss a representative sample of the content. The following questions may be helpful to you:

       i. What are the aims of the webpage and how would you summarise its content?
       ii. What can you say about the background and education of the main author(s)?
       iii. Discuss a selection of examples: the datasets used, the choice of graphics and the recommendations made on the page. Do you think the graphics are good?
       iv. Are there only presentation graphics or are there also exploratory graphics? Are there complete analyses of datasets or just suggestions for individual graphics? Are interactive graphics used? Are statistical methods employed?
       v. Would you recommend this webpage to others? Why?