Prof. Antony Unwin
Dept of Computer-Oriented Statistics and Data Analysis
Institute for Mathematics
University of Augsburg
http://stats.math.uni-augsburg.de/

Stochastik IV – Graphical Data Analysis

Exercise Sheet 10: More graphics and models

Tutorial: Tuesday, 17th January, 2012, 10.00 - 11.30 Uhr, Room 3029

1. Eyes
   The dataset *visual* is in the package *Fahrmeir*. What information can you find in the dataset, which graphics would you use to show this and what models would you use to check it?

2. Robust statistics
   The command *rlm* carries out robust analyses of linear models. It is a robust version of *lm* and should protect against outlying values. What graphics are available with this command? Are they the right ones or would you suggest something else?

3. Sparpaket
   The German government announced a number of financial cuts to save money last year. The dataset

   Sparpaket.txt

   is on the course's webpage (thanks to Martin Theus). Which graphics would you suggest to present these data?