

Exercise sheet 4: Multivariate categorical data

There is a vignette by Michael Friendly for the R packages *vcd* and *vcdExtra*. These packages were written with contributions by a number of people to complement Friendly's book

Friendly M (2000). Visualizing Categorical Data. SAS Institute, Cary, NC.

Chapter 5 of the vignette discusses mosaicplots in conjunction with modelling using the following datasets available in R:

1. Arthritis (*vcd*)
2. HairEyeColor (*datasets*)
3. tv.dat (*vcdExtra*) [This file is not listed in the package help but can be loaded as given in the vignette.]
4. Mental (*vcdExtra*)
5. UCBA admissions (*datasets*)

Which mosaicplots would you recommend for graphically analysing the data in each of these datasets (i.e. ignore the use of mosaicplots for supporting modelling)? You may wish to suggest more than one plot to ensure that all information of interest can be displayed.