Barcode, Generalized Pairs Plots, and Sparkmats

Jay Emerson, Walton Green, and John Hartigan

Yale University
June 17, 2006

http://www.stat.yale.edu/~jay/R/Vienna
A Barcode: 2003 Tour de France
Stage Times

Tour de France 2003 (selected stages)

Stage finishing times (seconds)

Lyon

Morzine

AlpedHuez
A Generalized Pairs Plot

Selected variables for a random sample of residential properties From New Haven, CT, USA.
Three Sparklines

Near Mexico City:

Black = Temperature, Red = Pressure, Green = Low clouds

A Sparkmat

Six years, monthly time series of temperature, pressure, and low cloud cover, on a 24x24 grid.

Data: from the JSM Data Exposition 2006:

The data are geographic and atmospheric measures on a very coarse 24 by 24 grid covering Central America. ... All variables are monthly averages, with observations for Jan 1995 to Dec 2000. These data were obtained from the NASA Langley Research Center Atmospheric Sciences Data Center.
Acknowledgements

• Edward Tufte’s sparklines motivated our sparkmat.
• Paul Murrell: let’s face it, without grid, this would have been hopeless. It makes me wonder how I ever managed to write mosaicplot() in that other implementation of the S language, once upon a time…