



Professional Reflection Oriented
Focus on Inquiry-based Learning
and Education through Science

1st International PROFILES Conference in Berlin 2012

Analyzing PROFILES data using the R-Commander



Thomas Mühlenhoff & Vincent Schneider



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What is R?

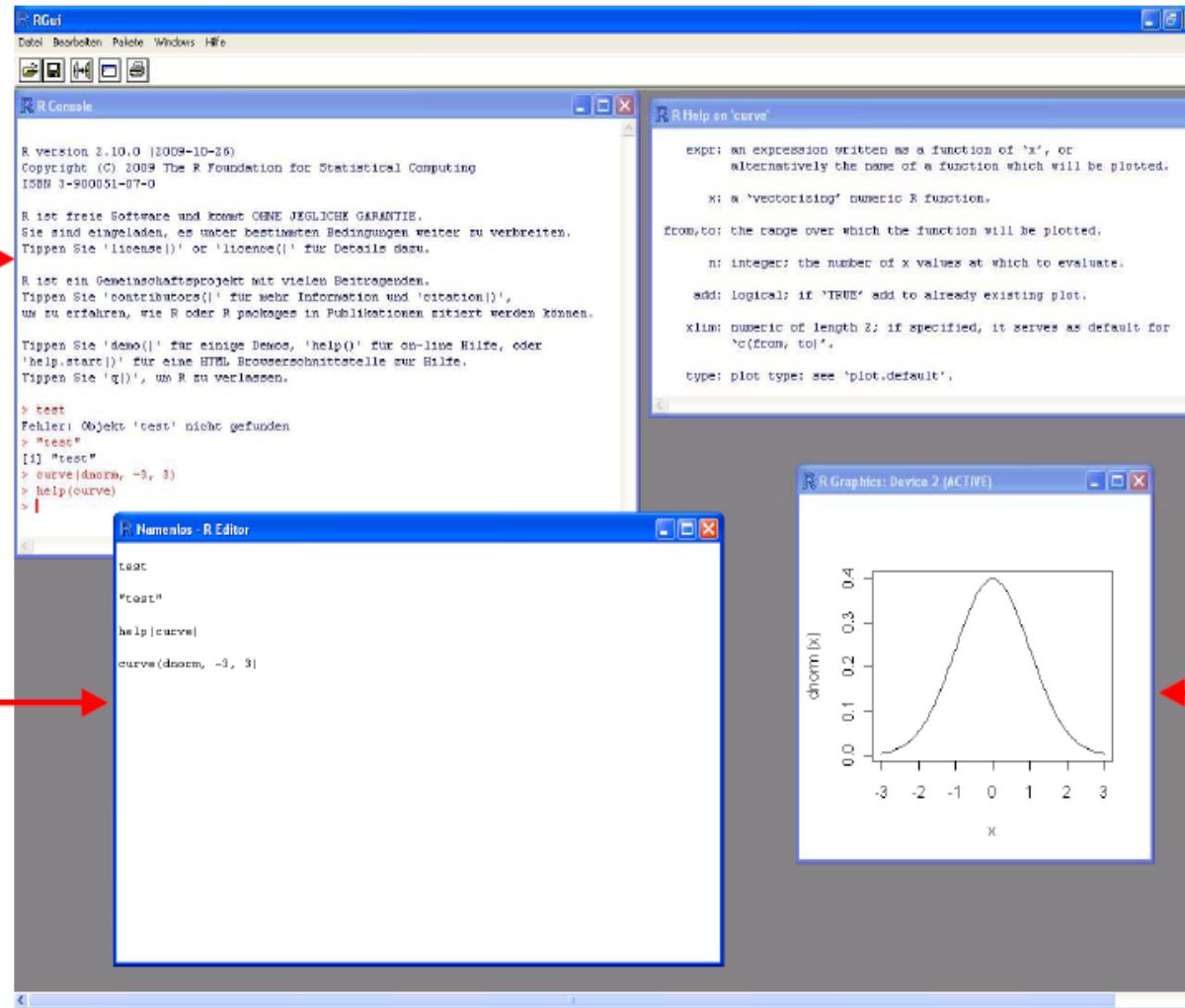
- is a statistical programming language
- is a free open source software for analyzing data
- More statistical analysing possibilities e.g. Item Response Theory (IRT), Structural Equation Model
- an alternative to SPSS, SAS

R-Interfaces:

- R GUI
- R Commander ← (!)
- R Studio

R GUI Interface

R Console

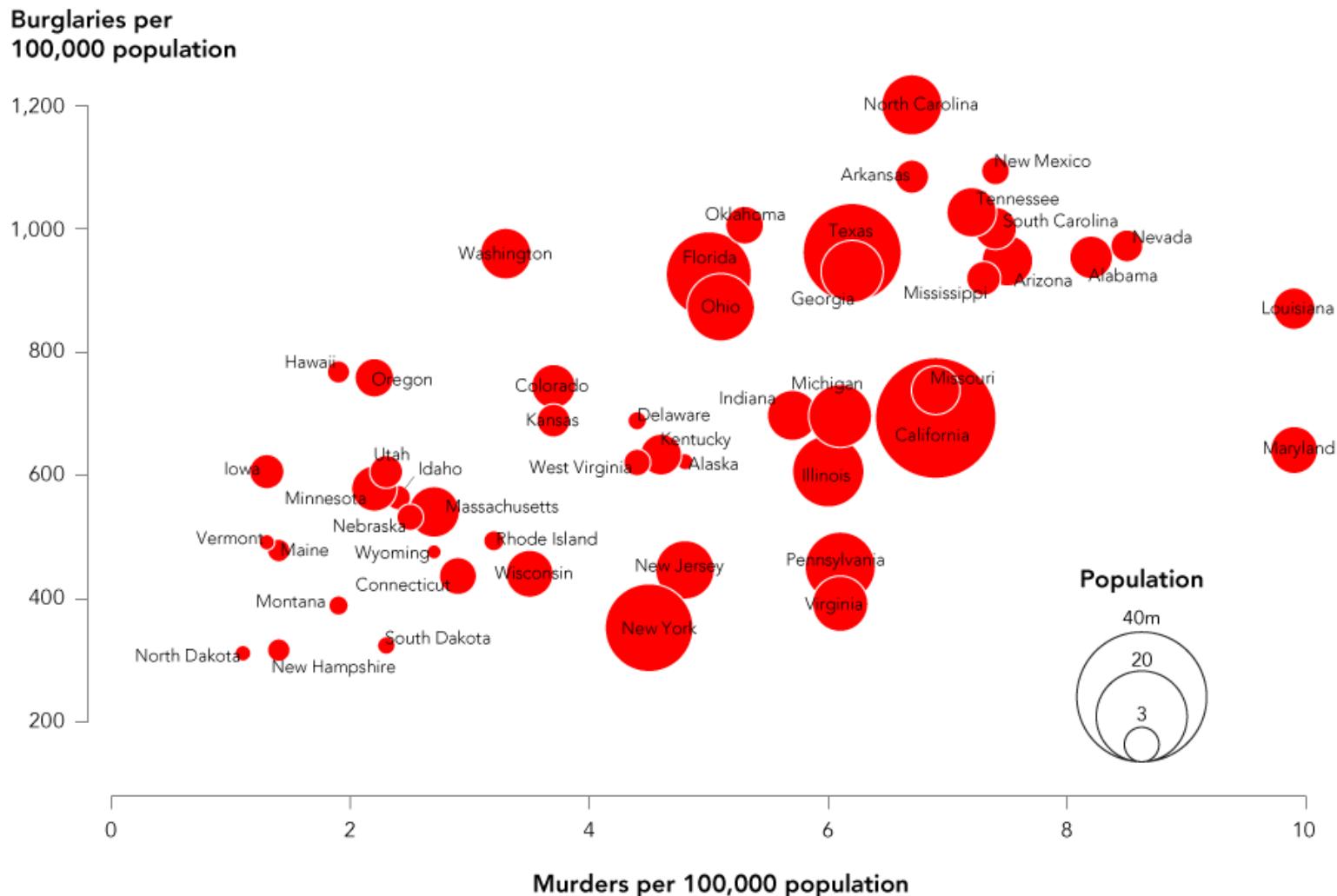


R help

R Editor

Graphics

Graphics appetiser



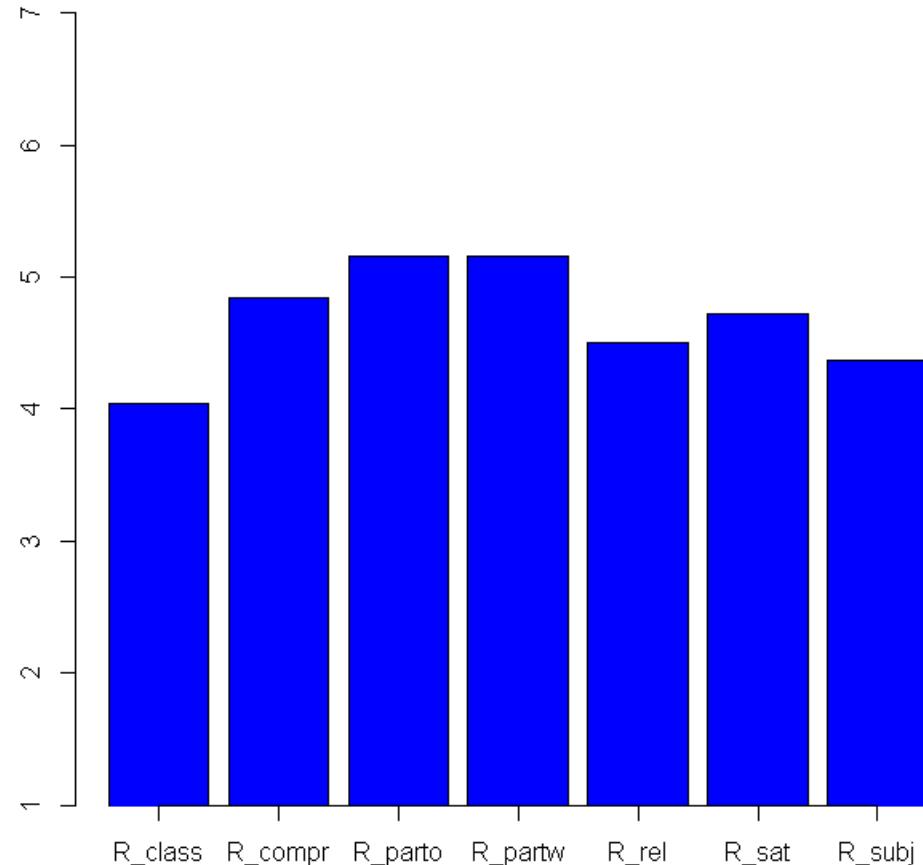
<http://flowingdata.com/2010/11/23/how-to-make-bubble-charts/>



facebook

<http://tinyurl.com/4u27355>

Graphics we will create



Interface of R-Commander

R Commander

File Edit Data Statistics Graphs Models Distributions Tools Help

R commander Data Script Window Output Window Messages

New data set... Load data set... Merge data sets... Import data Data in packages Active data set Manage variables in active data set

View data set Model: <No active model>

Submit

[2] WARNING: The Windows version of the R Commander works best under RGui with the single-document interface (SDI); see ?Commander.