

# SimpleR

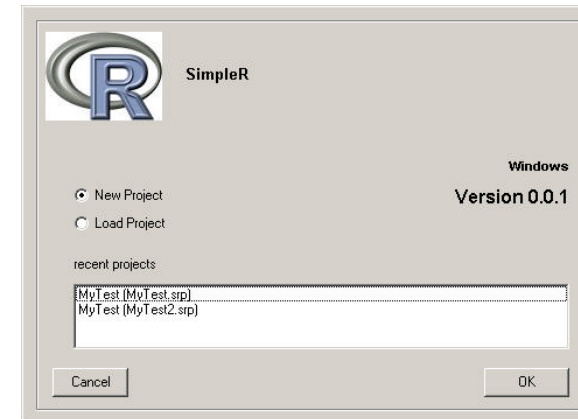
## A Windows-based interface to R for basic statistics

**Gunther Maier**

**Vienna University of  
Economics and Business  
Administration**

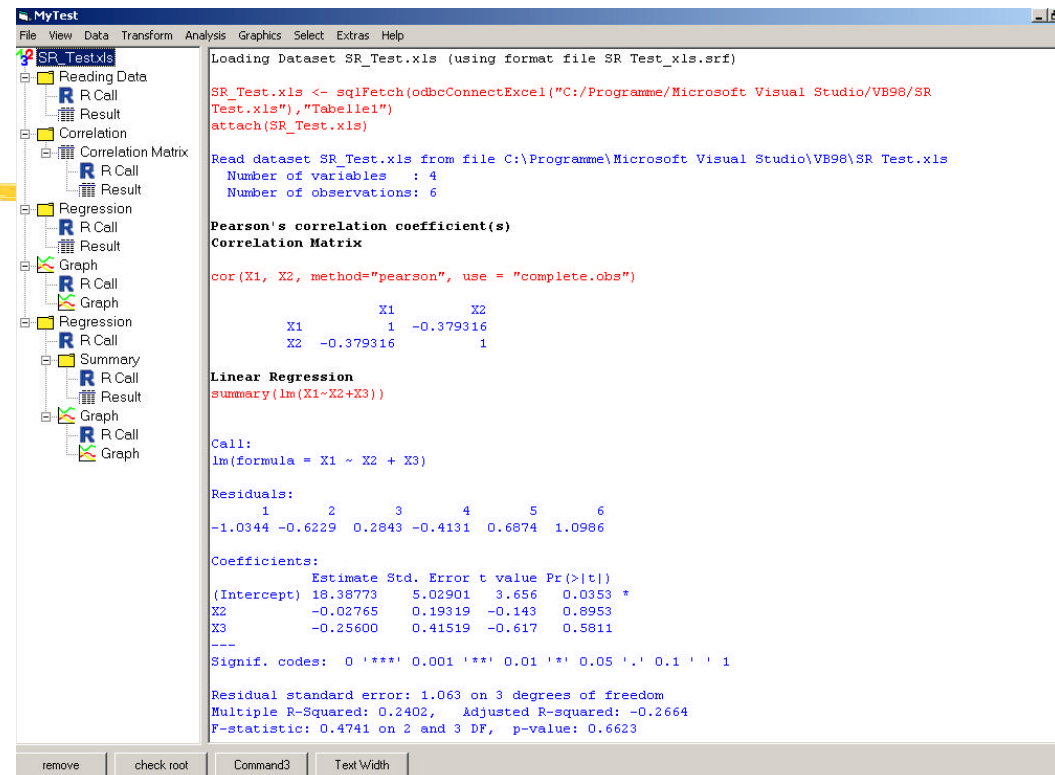
## SimpleR - goals and intentions

- Wants to
  - lower entry barriers for Windows users
  - support 90% of the needs of 90% of (potential) users
- Does NOT want to
  - cover all of R
  - be OS independent

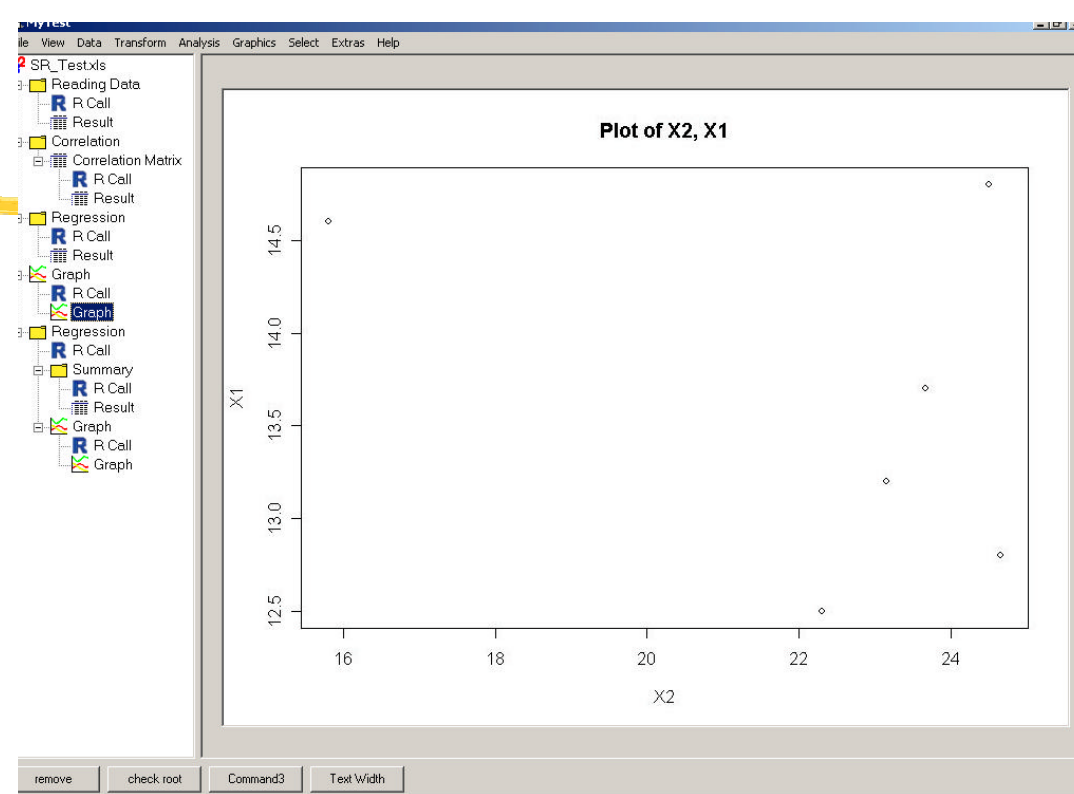


## SimpleR - supported tasks

- Reading data in various formats
- Data transformations
- Basic statistical analyses (descr. stats, cross-tabulation, correlation, regression)
- Graphics
- Project management



The screenshot shows the SimpleR software interface. The main window displays a data table with columns X1, X2, X3, and X4. The X1 column contains values: 12.5, 13.2, 14.6, 12.8, 13.7, 14.8. The X2 column contains values: 22.30, 23.16, 15.80, 24.66, 23.67, 14.8. The X3 column contains values: 16.55, 15.33, 14.20, 17.55, 18.44, 14.8. The X4 column contains values: ja, ja, ja, nein, nein, nein. Below the table is a 'Load Ascii Data' dialog box with various options for file format, encoding, and header handling. To the right, a 'Regression' dialog box is open, showing 'available variables' (X1, X2, X3) and 'dependent variable' (X1). The 'Summary' checkbox is checked, and 'Analysis of Variance' is also checked.



## SimpleR - technical information

- Written in Visual Basic 6
- Builds upon R(D)COM by Thomas Baier
- Lets R do all the computing
- SimpleR does
  - get user requests, generate R command(s)
  - send command(s) to R for execution
  - get and display results
  - keep track

## SimpleR - things to do

- Cleaning up and commenting code
- adding more procedures
- support for different languages
- help system
  - R-help
  - SimpleR-help
  - statistical help
- testing under real world conditions

## **SimpleR - more information**



<http://www-sre.wu-wien.ac.at/SimpleR>