

STATISTICAL GRAPHICS FOR VISUALIZING DATA: AN INTRODUCTION TO LATTICE GRAPHICS IN R

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<http://polisci.msu.edu/jacoby/uic/graphics>

Figure 1: A unidimensional scatterplot.

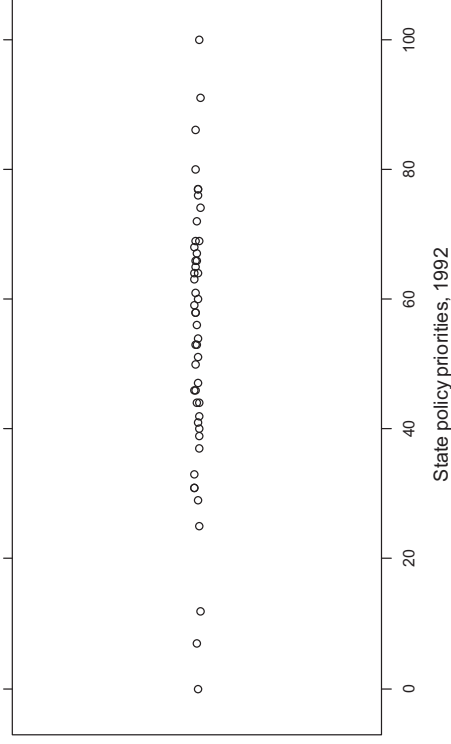


Figure 2: A histogram.

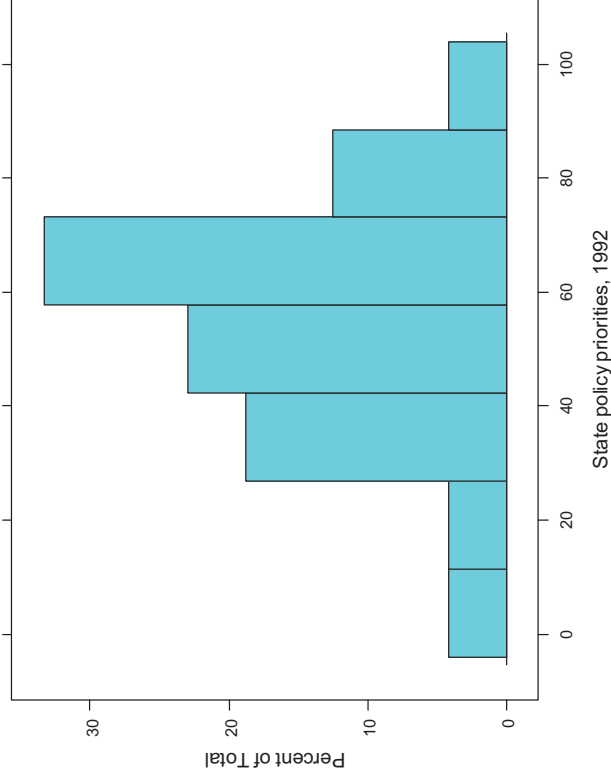


Figure 3: A smoothed histogram.

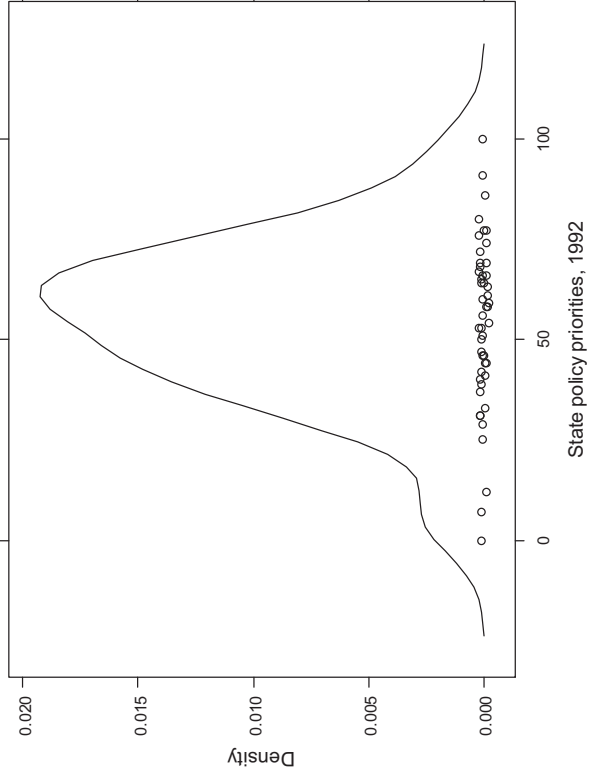


Figure 4: A scatterplot.

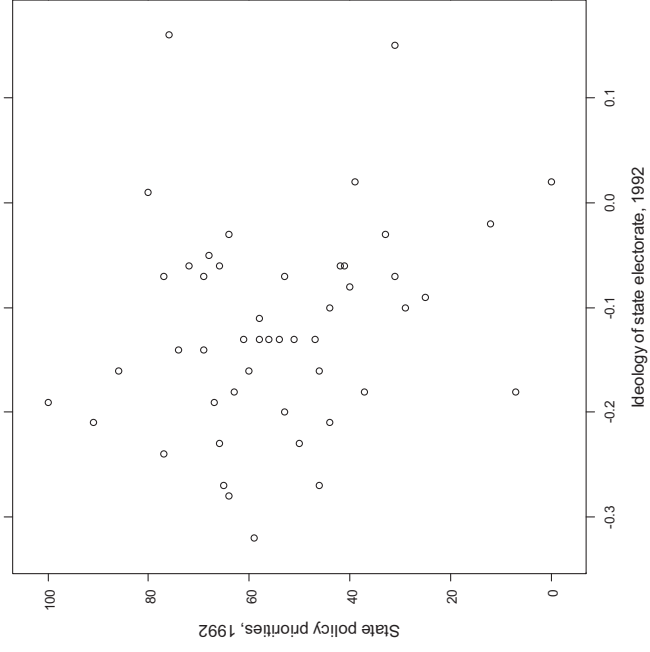


Figure 5: Histogram, with text tick labels on horizontal axis.

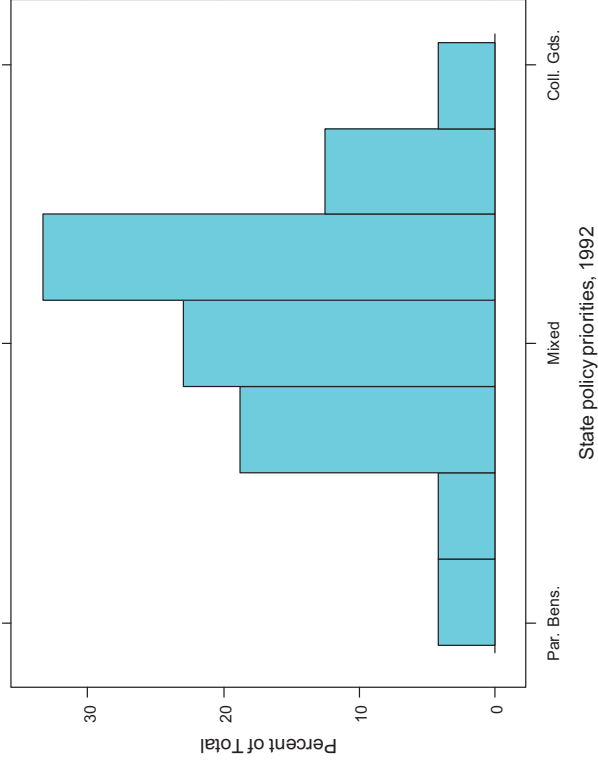


Figure 6: Histogram, with two-line text tick labels on horizontal axis.

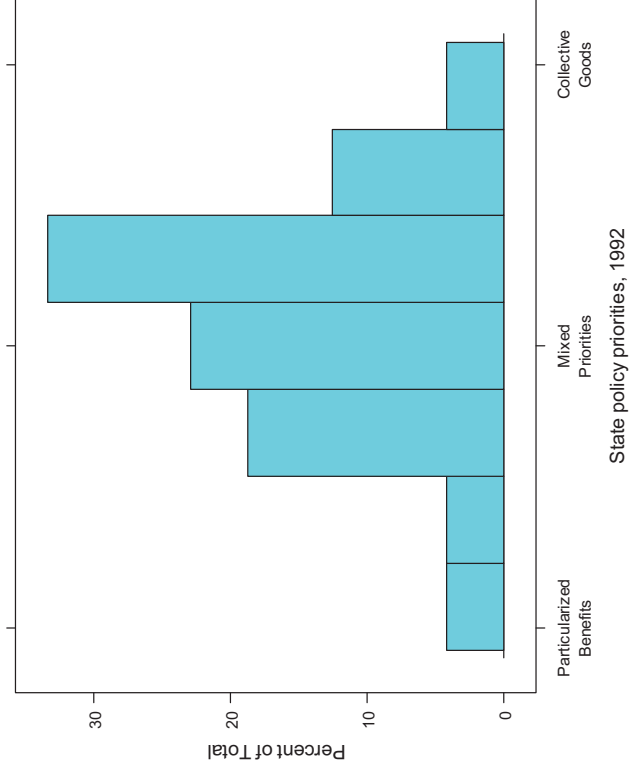


Figure 7: Scatterplot with a third variable encoded into the plotting symbols.

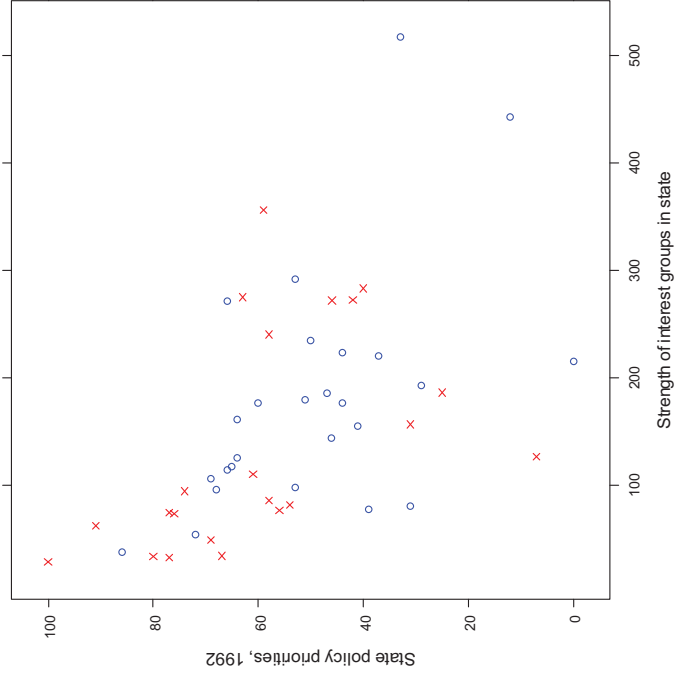


Figure 8: Scatterplot with coded plotting symbols and a key.

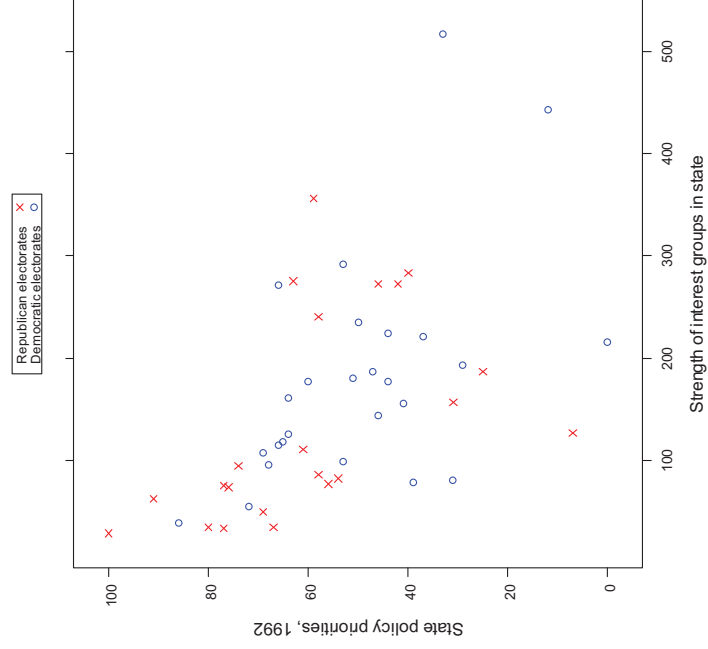


Figure 9: Scatterplot with a loess curve fitted to the data.

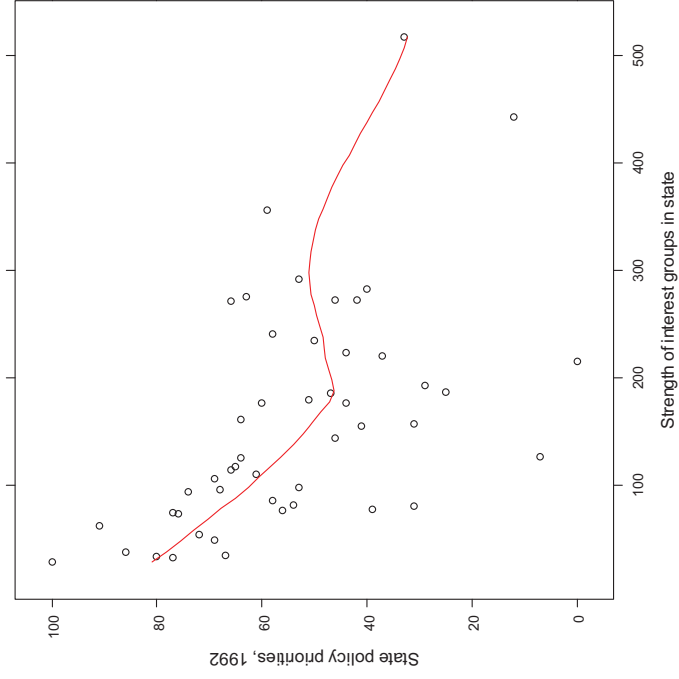


Figure 10: Scatterplot with loess curve and OLS line fitted to the data.

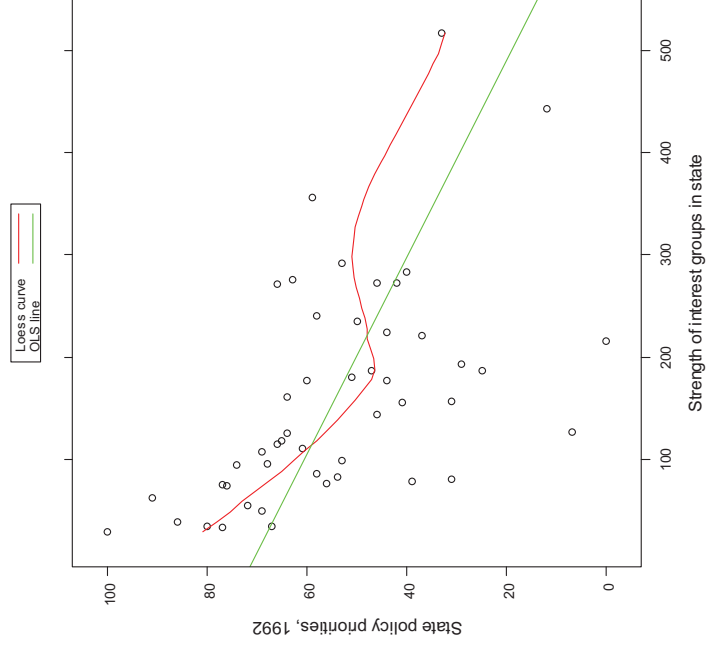


Figure 11: A multipanel trellis display showing policy priorities, by region.

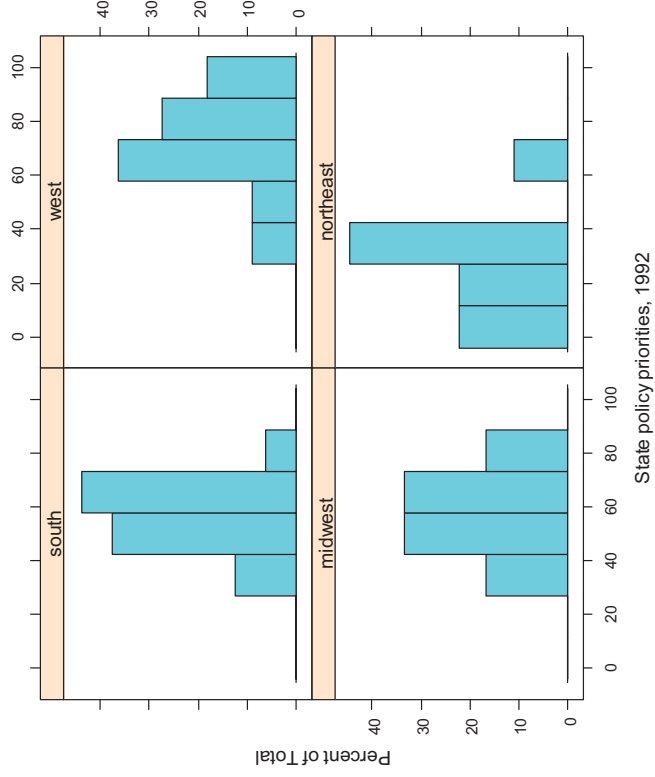


Figure 12: A three-dimensional scatterplot.

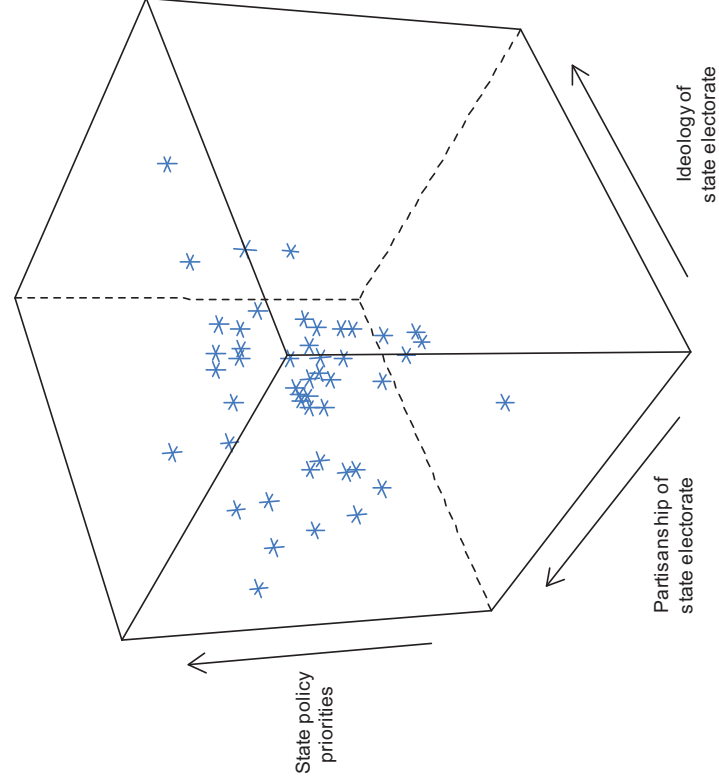


Figure 13: A three-dimensional wireframe plot.

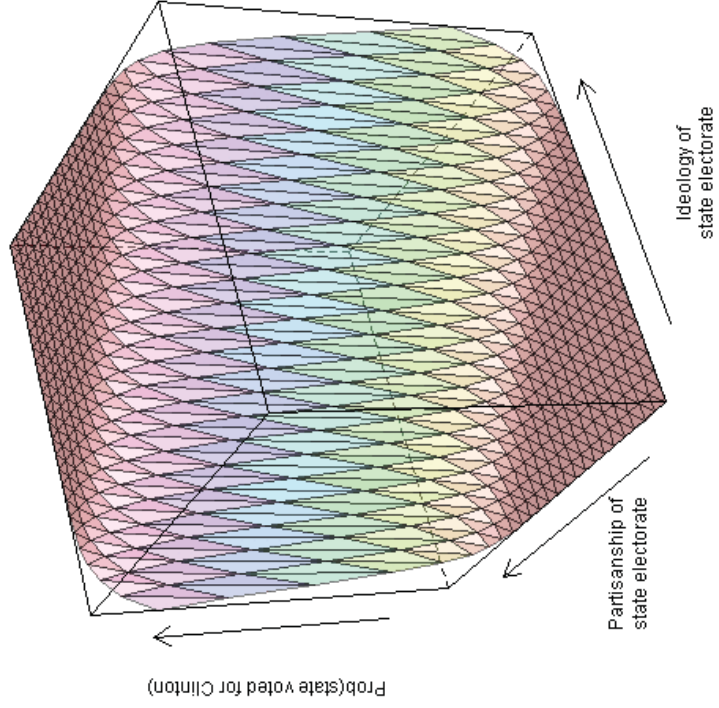


Figure 14: A Levelplot, using color to code values of a third variable.

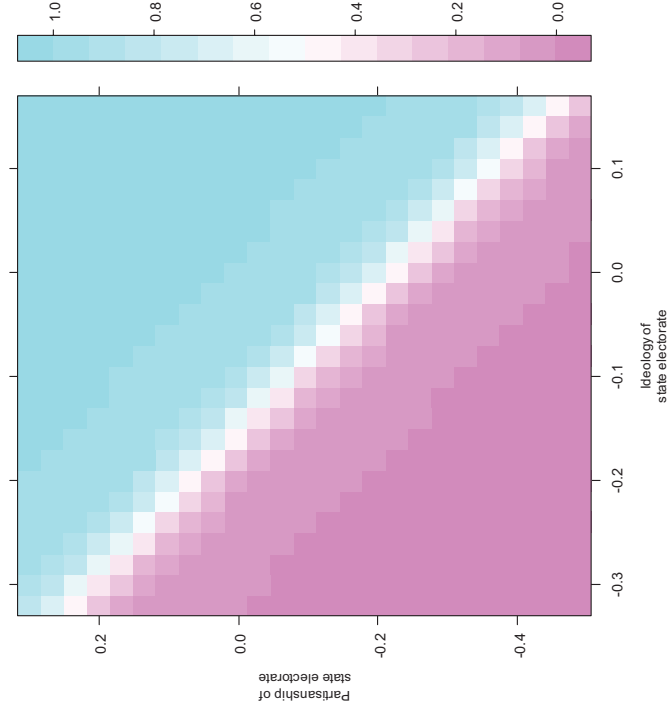


Figure 15: Obtaining R.

A. The R-Project Web Site.

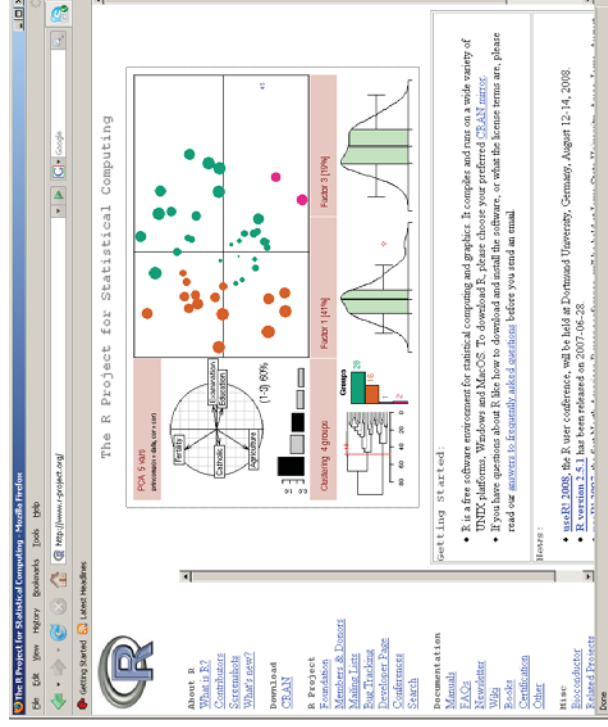


Figure 15: Obtaining R.

B. Selecting a CRAN Mirror for the download.

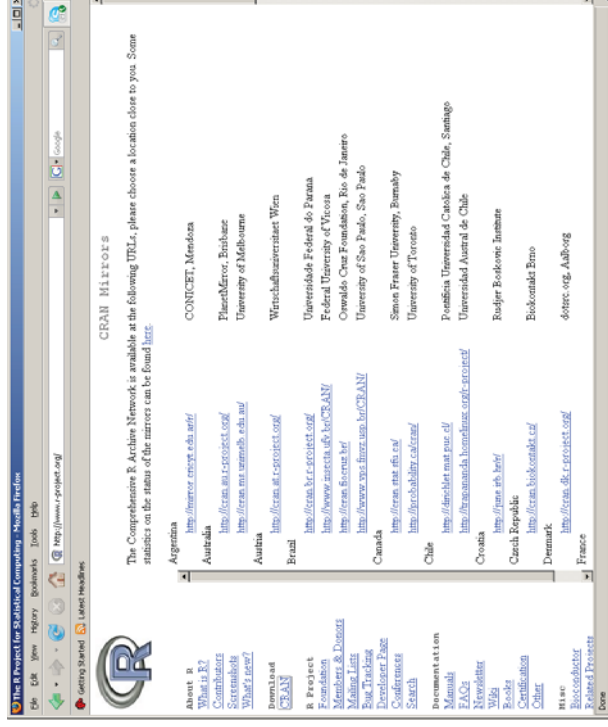


Figure 15: Obtaining R.

C. The download page.

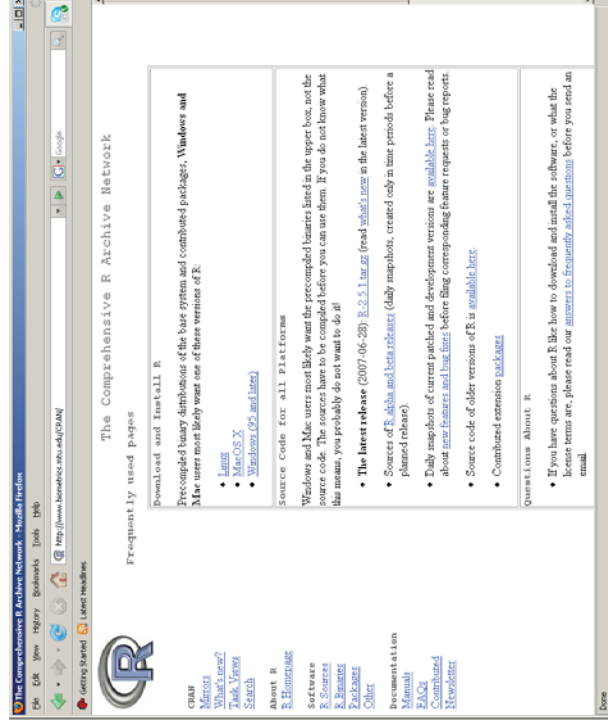


Figure 15: Obtaining R.

D. After downloading, double-click on the icon for the executable file.

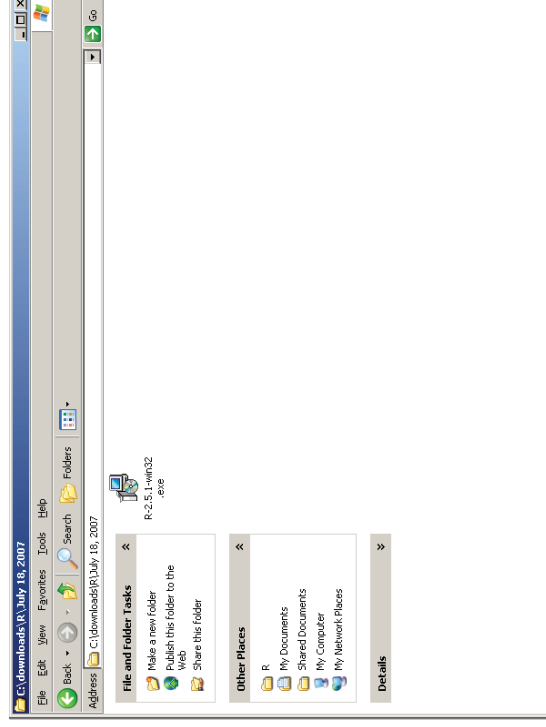


Figure 16: Installing packages in R

A. Within R, click on “Packages” and “Install package(s) ...”.

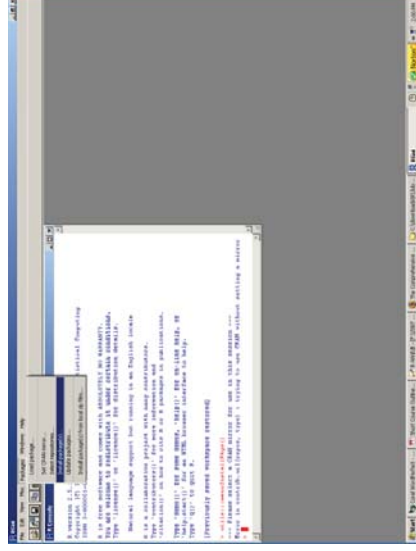


Figure 16: Installing packages in R

B. Select a CRAN mirror from which to download packages.

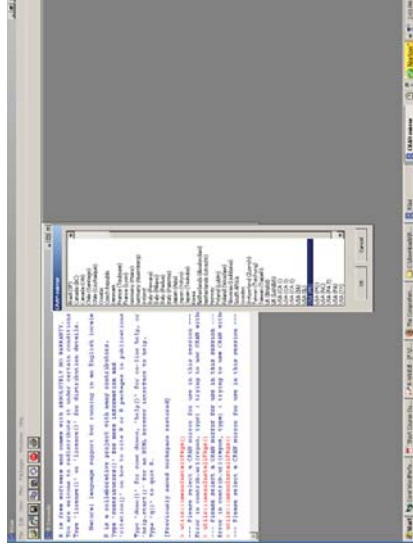


Figure 16: Installing packages in R

C. Select a package to download.

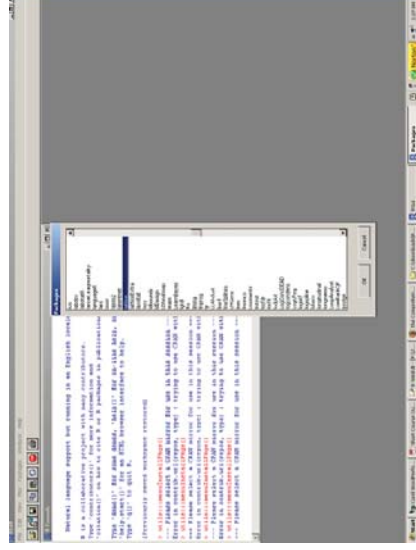


Figure 17: Use the “library()” function to load the lattice package.

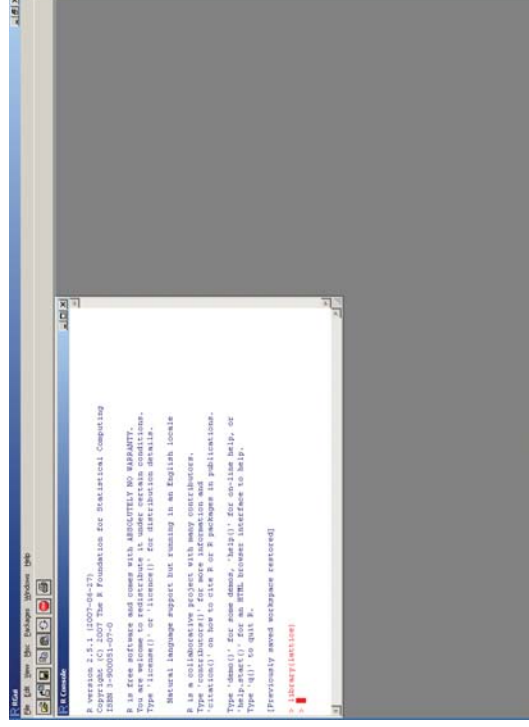


Figure 18: Lattice graphs are rendered within a separate window.

