

# ”uniPlot” – A package to uniform and customize R graphics

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Three packages widely used for producing graphics in *R* are **graphics**, **ggplot2** and **lattice**. Each has its own strengths and limitations. However, they all differ in design. This is undesirable if graphics produced by different packages are used in the same report. Therefore the package **uniPlot**, which uniforms graphics produced by **graphics**, **ggplot2** or **lattice**, is presented.

Daily *R* users who use the program to graph data within a particular data analysis are familiar with differences in appearance; they can extract information easily and mask the layout differences. Readers unfamiliar with *R* will be distracted when interpreting three different graphics made by **graphics**, **ggplot2** and **lattice** graphics because variation in layout affects the decoding of information. Therefore, a way should be found to produce consistent and calm graphics. In *R* this can be solved by adjusting several parameters, options or themes. Everyone who has ever prepared plots by adjusting parameters, options and themes knows that this is cumbersome and time consuming.

The package **uniPlot** solves this problem. It (a) designs an uniform look of graphics and (b) adapts graphics from packages **graphics**, **ggplot2** and **lattice** to achieve this uniform look. The idea is that the user would load different layout-styles by a simple function. Changes of settings and parameters could be made within this function. Restoring of the settings would be possible.

A first version of **uniPlot** is currently under development and will be available at CRAN by the end of July 2011.