Customizing Graphics in R

These are the graphics commands and arguments which you will encounter most often. Note that arguments listed are not necessarily what you will get if you use `args(name)`. In particular, some of the listed arguments are in fact arguments to `par` which get passed via the "..." argument. Also, not all of the available arguments are listed, just the most commonly used ones.

High-level graphics commands:

- plot(x, y, type, main, sub, xlim, ylim, xlab, ylab, xaxt, yaxt, col, pch, cex, add)
  (Many of these arguments may be used in the other high-level functions below.)

- barplot(height, width, beside, col, legend)

- pie(x, labels, col)

- hist(x, breaks)

- boxplot(x), boxplot(formula, data)

- pairs(x), pairs(formula, data)

- matplot(x, y, type, lty, lwd, col)

Adding to the plot:

- points(col, cex, pch)

- lines(x, y, lwd, lty, col)

- abline(a, b), abline(h), abline(v), abline(coef)

- text(x, y, labels)

- legend(x, y, legend, col, lty, lwd, pch, bty, ncol, title)

- locator(n)

- identify(x, y, labels)

Finding colors:

- colors()

- palette()

- rgb(red, green, blue, alpha)

- heat.colors(), topo.colors(), terrain.colors()

Working with axes, titles:

- title(main, sub, xlab, ylab, line, cex.main, cex.sub)

- mtext(text, side, line)

- axis(side, at, labels)

Starting new devices, saving:

- x11(), quartz(), windows(), pdf(), jpeg(), etc.

- dev.print()

- dev.off()

All kinds of graphical settings:

- par(bty, cex, col, lty, lwd, mar, mfcol, mfrow, oma, pch, xaxt, yaxt)