## **Base Graphics Cheatsheet**

yaxs = "i" (internal

axis calculation)

match

axis limits

	SET GRAPHICA	L PARAMETERS	
	the following can <b>or</b>	-	)
	par	()	
multiple	<pre>mfcol = c(nrow,ncol)</pre>	plot margins	oma = c(bottom, left,
plots	<pre>mfrow = c(nrow,ncol)</pre>	(outer)	<i>top, right</i> ) default: c(0, 0, 0, 0) lines
plot margins	mar = c(bottom, left, top, right) default: c(5.1, 4.1, 4.1, 2.1) lines	query x & y limits	par ("usr")
	CREATE A	NEW PLOT	
Bar charts	barplot(height,)	Histograms	hist( <i>x</i> ,)
bar labels	names.arg =	breakpts	breaks =
border	border =		
fill color	col =	Line charts	<b>plot</b> ( <i>x</i> , type = "1")
horizontal	horiz = TRUE	line type	"blank" 0 lty = "solid" 1
Box plots	boxplot(x,)	9,	"dashed" 2
horizontal	horizontal = TRUE		"dotted" 3
box labels	names =	line width	lwd =
Dot plots	<pre>dotchart(x,)</pre>	Scatterplots	plot( <i>x</i> ,)
dot labels	labels =	symbol	pch =
REMOVE			ADJUST
axis labels	ann = FALSE	allow plotting	
		out of plot	xpd = TRUE
axis, tickmarks and labels	yaxt = "n" yaxt = "n"	region	
plot box	bty = "n"	aspect ratio	asp =
•		axis limits	<pre>xlim =, ylim =</pre>
NOTE: Many of the parameters here		axis lines to	xaxs = "i" ,

can be also be set in par(). See R

help for more options.

## location size (magnification factor) axis labels xlab = , ylab =all elements cex = subtitle sub = cex.lab = axis labels title main = cex.sub = subtitle tick mark labels cex.axis = style cex.main = title font face font = 1 (plain)2 (bold) 3 (italic) position 4 (bold italic) text direction las = 1 (horizontal)font family family = "serif" adi = 0.51justification "sans" "mono" (left, center, right)

ADD TO AN EXISTING PLOT

**ADD TEXT** 

## Add new plot [any plot function] Lines lines (x,...)(..., add = TRUE)line style lty =ex. barplot(x, add = TRUE) line width lwd =col = color Axes axis (side,...) side = $1 \ 2 \ 3 \ 4$ location **Points** points (x,...)(bottom, left, top, right) pch = symbol tick mark: labels labels = location at = tick = FALSE remove col = color rotate text las = 1 (horizontal) fill color bg = (pch: 21-25 only)Axis labels mtext (text,...) Text **text** (*x*, *y*, *text*,...) side = 1 2 3 4pos = 1 2 3 4location position (bottom, left, top, right) (below, left, above, right) (rel. to x,y) (default=center) lines to skip line = (from plot region, default = 0) Title title (main,...) at = x or v-coord position xlab = , ylab =axis labels (depending on side) sub = subtitle justification adj = 0 .5 1 title main = (left, center, right)