

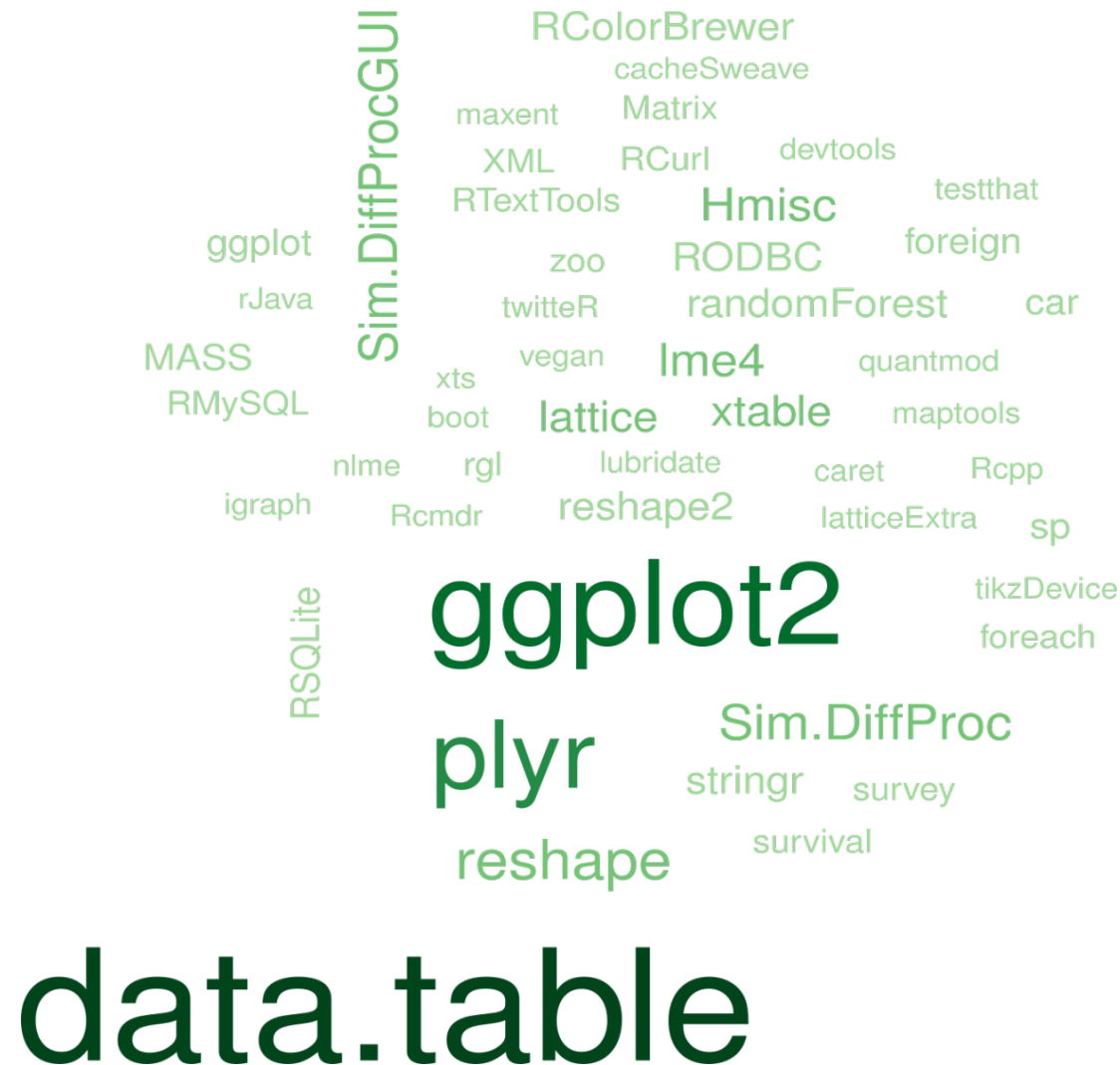
data.table & ggplot2

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Most popular packages

scraped from crantastic.org



data.table

Data wrangling

Extension of data.frame

Can easily subset and operate on data in rows and columns, and perform operations by group(s)

Alternative to dplyr – use whatever works for you

github.com/Rdatatable/data.table/wiki

ggplot2

gg = “grammar of graphics”

Hadley Wickham, master of the tidyverse



ggplot2.org

main page

docs.ggplot2.org

extensive documentation

r-graph-gallery.com/portfolio/ggplot2-package/

visual overview of some plot types

ggplot2

`aes()` - aesthetics

what variables you are plotting – x, y, etc

`geom_` - geometries

how you are plotting them – scatter, line, histogram, etc

`theme()` - basic appearance tweaks

font type, size, tick marks, legend control, etc

...and much, much more

Other figure resources



ColorBrewer

pick appropriate colors for figure & map data



VisCheck

check for colorblindness-compatibility



InkScape

polish & arrange final images