

Examples

June Workshop - Most Useful R Functions + Minimal Examples

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15 June '16

Use this document to follow along during the session, published version on RPubs: http://rpubs.com/crt34/june_workshop (http://rpubs.com/crt34/june_workshop)

This is *NOT* intended to be fully comprehensive list of every useful R function that exists, but is a practical demonstration of selected relevant examples presented in user-friendly format, all available in base R. For a wider collection to work through, this Reference Card is recommended: <https://cran.r-project.org/doc/contrib/Baggott-refcard-v2.pdf> (<https://cran.r-project.org/doc/contrib/Baggott-refcard-v2.pdf>)

Additional CRAN reference cards and R guides (including non-English documentation) found here: <https://cran.r-project.org/other-docs.html> (<https://cran.r-project.org/other-docs.html>)

Schedule

6.30pm | A. Essentials

- 1. `getwd()` , `setwd()`
- 2. `?foo` , `help(foo)` , `example(foo)`
- 3. `install.packages("foo")` , `library("foo")`
- 4. `devtools::install_github("username/package_name")`
- 5. `data("foo")`
- 6. `read.csv` , `read.table`
- 7. `write.table()`
- 8. `save()` , `load()`

6.50pm | B. Basics

- 9. `c()` , `cbind()` , `rbind()` , `matrix()`
- 10. `length()` , `dim()`
- 11. `sort()` , `'vector'[]` , `'matrix'[]`