R Notebook

Contents

R Technology Workshop

R is the most popular free software environment for statistical computing and graphics. ggplot2 is a data visualization package for R that can be used to produce publication-quality graphics. This workshop is designed to introduce you to R and ggplot as well as RStudio, KnitR, Slidify, and Shiny.
R is a central piece of the Big Data Analytics Revolution, for example, see http://opensource.com/business/14/7/interview-david-smith-revolution-analytics for an article entitled "Big data influencer on how R is paving the way"

This is how my RStudio is configured:

```
sessionInfo()
```

```
## R version 3.3.1 (2016-06-21)
## Platform: x86_64-apple-darwin13.4.0 (64-bit)
## Running under: OS X 10.11.6 (El Capitan)
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  grid      methods
## [8] base
##
## other attached packages:
## [1] extrafont_0.17 jsonlite_1.0   dplyr_0.5.0    tidyr_0.6.0
## [5] reshape2_1.4.1 RCurl_1.95-4.8 bitops_1.0-6   ggplot2_2.1.0
##
## loaded via a namespace (and not attached):
##  [1] Rcpp_0.12.6        Rttf2pt1_1.3.4     knitr_1.14
##  [4] magrittr_1.5       munsell_0.4.3      colorspace_1.2-6
##  [7] R6_2.1.3           stringr_1.1.0      plyr_1.8.4
## [10] tools_3.3.1        gtable_0.2.0       DBI_0.5
## [13] extrafontdb_1.0    htmltools_0.3.5    yaml_2.1.13
## [16] assertthat_0.1     digest_0.6.10      tibble_1.2
## [19] evaluate_0.9       rmarkdown_1.0.9013 stringi_1.1.1
## [22] scales_0.4.0
```

You also need to install LaTeX if you want to generate PDF files from KnitR.