Glossary for New Statistics for the Design Researcher

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1 Chapter 4: Getting started with R

Glossary of words

Argument

Boolean algebra

Boolean operator

Character

CRAN comprehesive R archive network a network of ftp and web servers around the world that store identical, up-to-date, versions of code and documentation for R. You will mostly download packages from here.

Console

Dichotomous variable

Environment in R stores data in dataframes, variables, etc.

Factor

Function a command you give, that performs a certain action and sometimes gives a return value.

Integer

Iteration

Level

Library a collection of precompiled routines that a program can use. You will use mostly functions defined in certain libraries. See also: Package.

Logical object

Logical operation

Numeric

Object

Object class

Operator

Package In other programming languages it is called library, in R the library contains many packages.

Plot

Polish notation

R is a programming language for mostly statistical purposes.

R Script

Rstudio a programming environment for R, which offers many features and is userfriendly.

Seed

Syntax the text you type in R to define and command things.

Variable

Vector

Glossary of packages

I think it would be nice to have a short description of each of the packages used or mentioned as well.

bayr

devtools

dplyr

foreign

ggplot part of tidyverse, a package for creating pretty and useful plots in R.

gridExtra

haven

knitr

mascutils

openxlsx

printr

readr

readxl

rstanarm

stringr

tidyr

tidyverse a collection of libraries for simple and (more) intuitive data management in R.