## $20190211\hbox{-RStatsWorkshop II-Glossary}$

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## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

## What you learnt today!

Option	Description
	Installation & Loading of Packages
install.packages	Download and install packages from CRAN-like repositories or from local files
library	Library and require load and attach add-on packages
<del>-</del>	Using Existing Data OR Loading Yours
read_csv	Read a CSV (comma-separated) data file
read_excel	Read xls and xlsx files
	Viewing Structure of your Data
str	Display the internal structure of an R object; e.g., whether it is stored as a facto
	(categorical) variable, numeric, or other type of data
glimpse	Get a glimpse of your data
summary	View simple summary values
View	Invoke a Data Viewer
describe	See stats at a glance, requires 'psych' R package
ggplot +	To plot a histogram (tidyverse/ggplot2)
geom_histogram	
	Transforming your Data
log	Takes the logarithm of values; uses ln (natural log, base e) by default
log10	Takes the base-10 logarithm
scale	Convert data to z-scores
rescale	Rescale your data specifying a mean and SD (psych)
	Checking Normality of Distributions
shapiro.test	Return Shapiro-Wilk test
ks.test	Return Kolmogorov-Smirnov test
median	Return the median value
mean	Return the mean value
sd	Return the standard deviation
var	Return the variance
	(Intro to) Association Tests
cor	Return simple correlations
corr.test	Return correlations with more detail, requires 'psych' R package