

Cheat Sheet R and R markdown

Julieth Santamaria

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Every week, I will update this file with the commands we learn in the lab.

1 R markdown

Syntax	Description
```\${r}```	Starts a chunk of code
```\${r eval=FALSE}```	Start a chunk of code that doesn't work or you don't want R to evaluate
```\n```\n```\n`	Ends a chunk of code
#	Creates titles. The more #s you use, the smaller the font.
* or + or -	Adds bullet points
1.	Starts an ordered list
*text*	Displays <i>text</i> in italics
**text**	Displays <b>text</b> in bold
\$ \$	Displays an equation. For example <code>\$x_1=x^2\$</code> will display $x_1 = x^2$ .

Other tricks: To start a new paragraph, use two Enters. To start a new line, use two spaces at the end of the line and 1 Enter.

## 2 R code

Syntax	Description
#	Adds comments to your code
<-	It is the "assign" operator
getwd()	Returns the path to your working directory
setwd("G:\Drive")	Sets the folder "G:\Drive" as the working directory
install.packages('fortunes')	Installs a package called fortunes.
library('fortunes')	Makes the package 'fortunes' available.
read.xlsx("")	Opens an .xlsx file. It is a function of the 'openxlsx' package.
load("")	Opens a .rdata file.
nrow()	Displays the number of rows of a dataframe
ncol()	Displays the number of columns of a dataframe
summary()	Displays a summary of an object
df\$var	Calls variable var that lives inside the dataframe df
table()	Makes a tabulation of the object(s) in parenthesis
df<-within(df,{})	Makes changes to variables inside the dataframe df
hist(df\$var)	Creates a histogram of the variable var
sample(df\$var,N)	Creates a sample of size N from the variable var
lm(Y~X,data=df)	Run a regression of Y on X using the dataframe df