Ejemplo de R Markdown

Curso de Estadística Descriptiva

21/12/2018

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:

```
summary(cars)
```

```
##      speed           dist       
##  Min.   : 4.0   Min.   :  2.00  
##  1st Qu.:12.0   1st Qu.: 26.00  
##  Median :15.0   Median : 36.00  
##  Mean   :15.4   Mean   : 42.98  
##  3rd Qu.:19.0   3rd Qu.: 56.00  
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:

```
plot(pressure)
```

01-EjemploRMD_files/figure-latex/pressure-1.pdf

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Nuestras propias chunks

Vamos a calcular $\sqrt{2} - e^{-2}$:

```r
sqrt(2) - exp(-2)
```

```
## [1] 1.278878
```

```r
x = 1:5
sqrt(x)
```

```
## [1] 1.000000 1.414214 1.732051 2.000000 2.236068
```

```r
library(magic)
```

```
## Loading required package: abind
```

```r
magic(6)
```

```
##      [,1] [,2] [,3] [,4] [,5] [,6]
## [1,]    7    6   35   34   15   14
## [2,]    8    5   33   36   16   13
## [3,]   27   26   19   18   11   10
## [4,]   25   28   20   17    9   12
## [5,]   23   22    3    2   31   30
## [6,]   21   24    1    4   29   32
```

Cuando queremos hacer la raíz cuadrada de dos, podemos hacerlo:

- En LaTeX: $\sqrt{2}$
- En R haciendo 1.4142136
- La frase completa: $\sqrt{2} = 1.4142136$

El número π empieza por 3.1415927.

Este año he hecho $n = 9$ examenes, con una media $\overline{x} = 6.78$ y una desviación típica de $s = 2.39$.