Ejemplo de R Markdown

Curso de Estadística Descriptiva

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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:

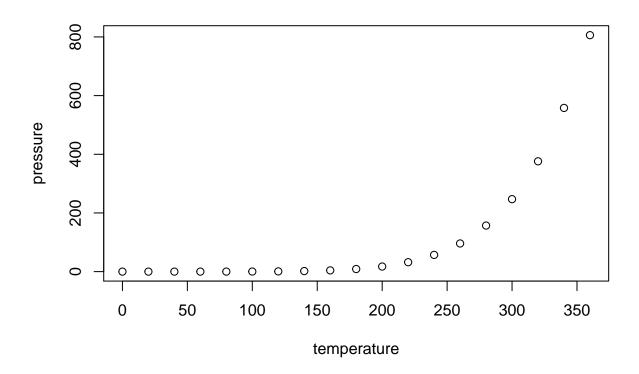
summary(cars)

```
##
        speed
                         dist
           : 4.0
                            : 2.00
##
    Min.
                    Min.
    1st Qu.:12.0
                    1st Qu.: 26.00
##
    Median:15.0
                    Median : 36.00
##
            :15.4
                    Mean
                            : 42.98
    Mean
    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)
```



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 $\sqrt{2} - e^{-2}$:

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

[1] 1.278878

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

[1] 1.000000 1.414214 1.732051 2.000000 2.236068

```
library(magic)
```

Loading required package: abind

```
magic(6)
```

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

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

- En LATEX: $\sqrt{2}$
- $\bullet~$ 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.