# 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:

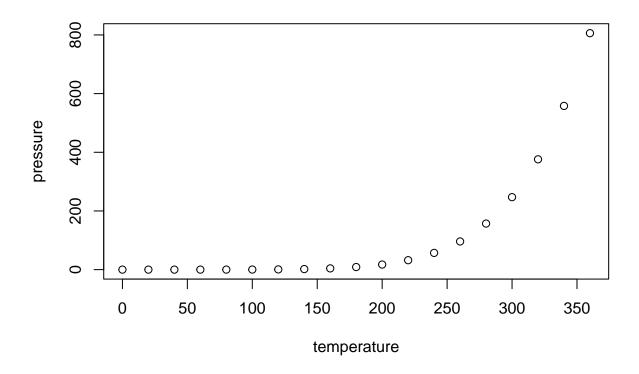
## summary(cars)

```
##
                         dist
        speed
                           : 2.00
##
    Min.
          : 4.0
                   Min.
    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)



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

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  $\pi$ 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.