

# 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
##  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)
```



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

El número  $\pi$  empieza por 3.1415927.

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