

# Ejemplo de Markdown

## 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:



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

```
## [1] -5.974843
## [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 echo  $n = 6$  exámenes, con una media  $\bar{x} = 6.83$  y una desviación típica de  $s = 2.56$ .