Cruso R

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24/2/2022

R Markdown

Primeras pruebas de LATEX

$$\int_0^1 x \; dx = \frac{x^2}{2}]_0^1 = \frac{1}{2}$$

Matrices

$$\begin{matrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \end{matrix}$$

$$\begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \end{pmatrix}$$

Ecuaciones

$$\left. \begin{matrix} ax + by = c \\ ex - fy = g \end{matrix} \right\}$$

Código

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

```
[1] 1.278878
```

```
library(magic)
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 ahcer la raiz cuadrada de dos

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

```
ntoas = c(3,5,7,7,9,10)
media = mean(ntoas)
n = length(ntoas)
desv.tip = sd(ntoas)
```

Este año he hecho $n = 6$ examenes, con una media $\overline{x} = 6.83$ y una desviacion tipica de $s = 2.56$

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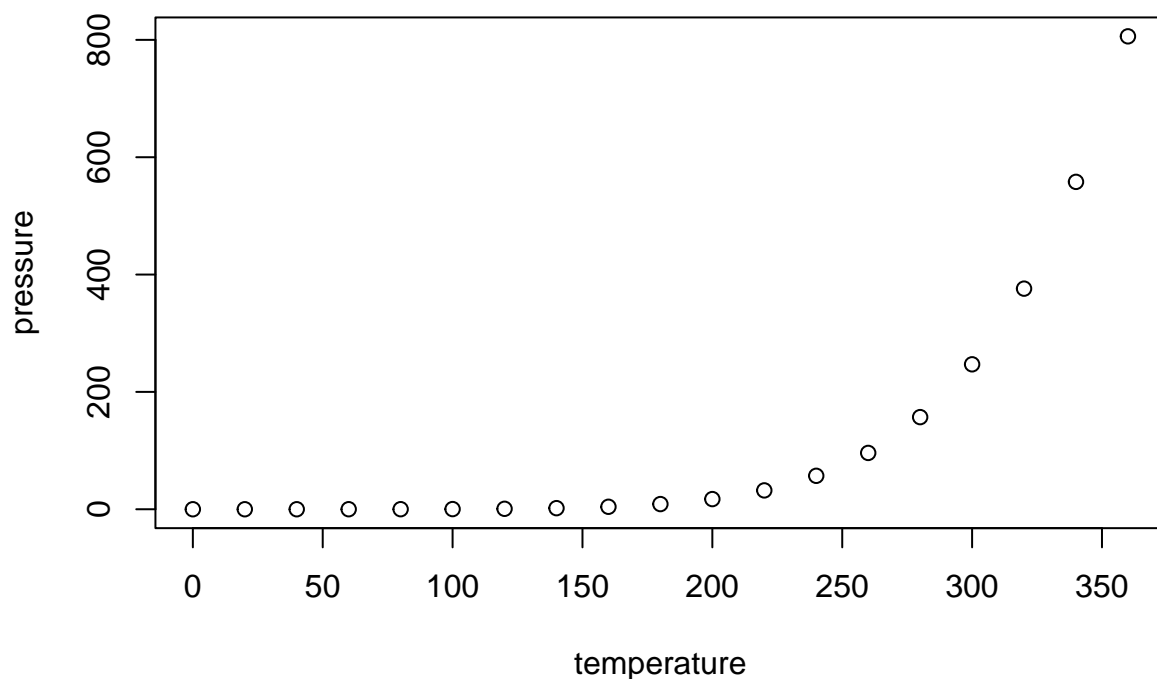
Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.