# Instalación de R y RStudio



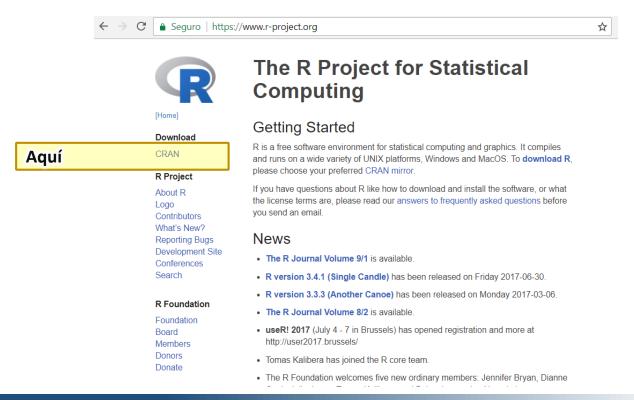








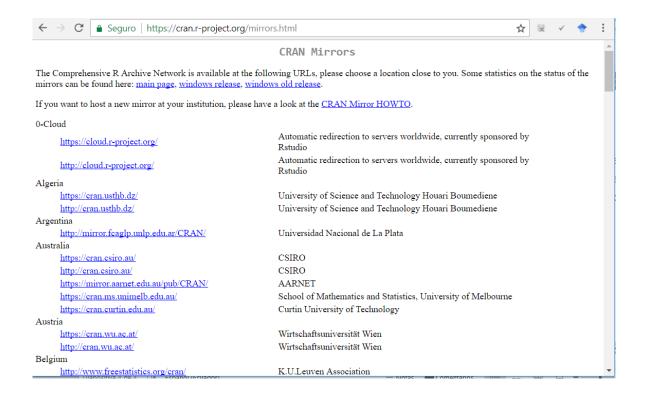
- Dirigirse a su web (<a href="http://www.r-project.org">http://www.r-project.org</a>)
- Seleccionar el enlace Download <u>CRAN</u>.







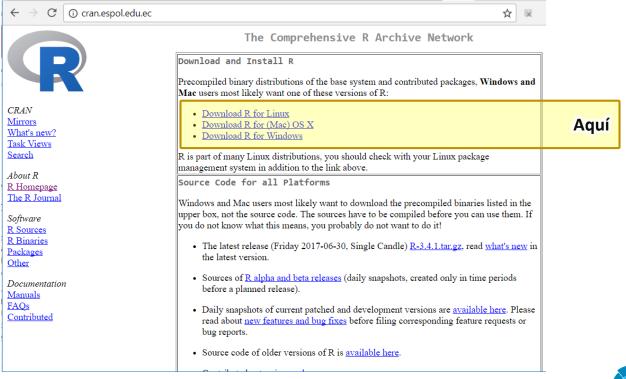
 Buscar y dar click en el enlace que nos permite descargar R desde Ecuador u otro país cercano





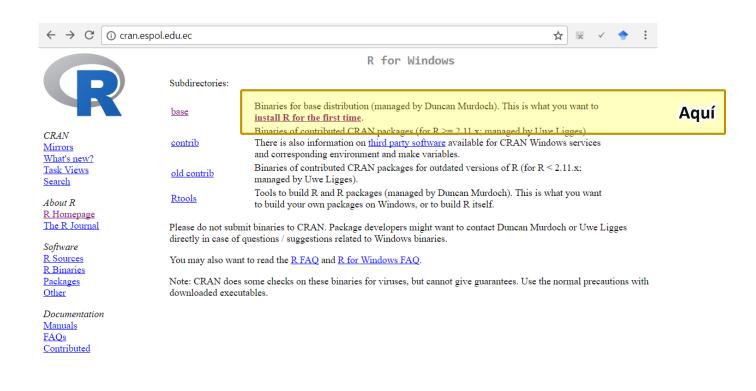


• Elegir la versión que corresponde a nuestro sistema operativo (Windows, Linux o Mac), en este curso se usará Windows.





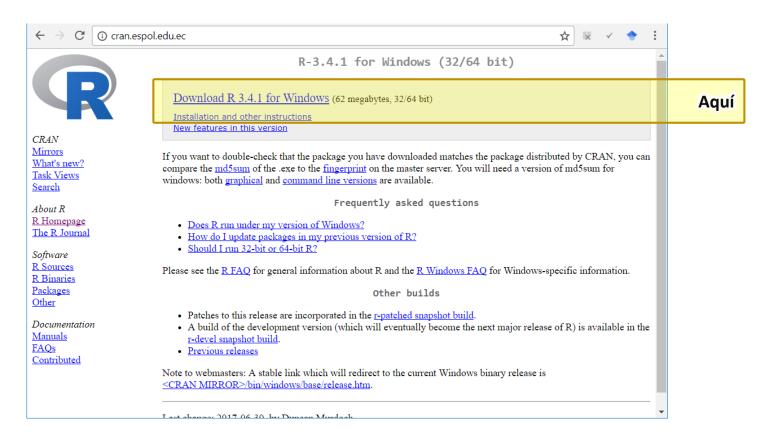
Escoger, Install R for the first time







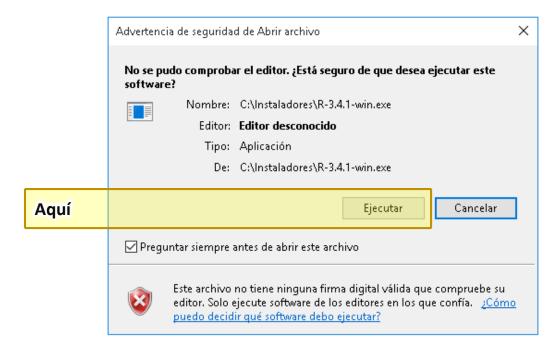
• Escoger Download R 3.4.1 for Windows, descargar e instalar.



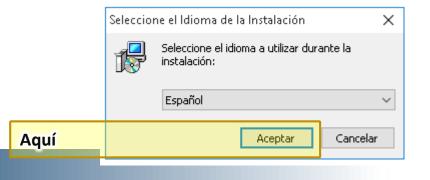




#### Instalar R



• En ciertos Windows sale una pantalla intermedia pidiendo permisos, dar OK.

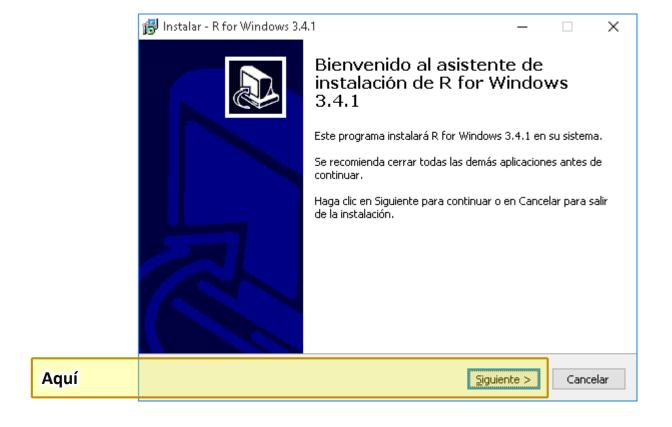






### Instalar R

Luego es dar todo Next > Next (Siguiente > Siguiente)

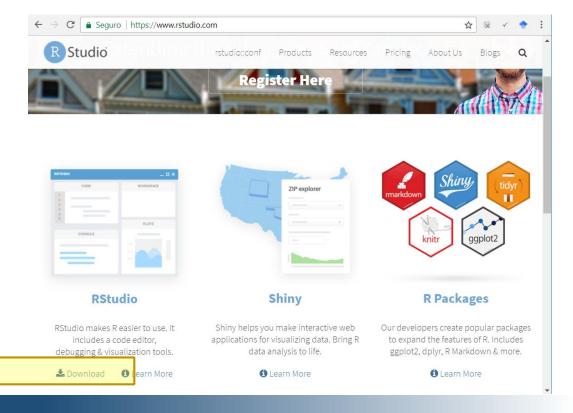






#### **RStudio**

- Dirigirse a su web ( <a href="http://www.rstudio.com">http://www.rstudio.com</a>:)
- Seleccionar el enlace Rstudio Download





Aquí



#### **RStudio**

 Seleccionar la version de Rstudio a utilizer, en este caso

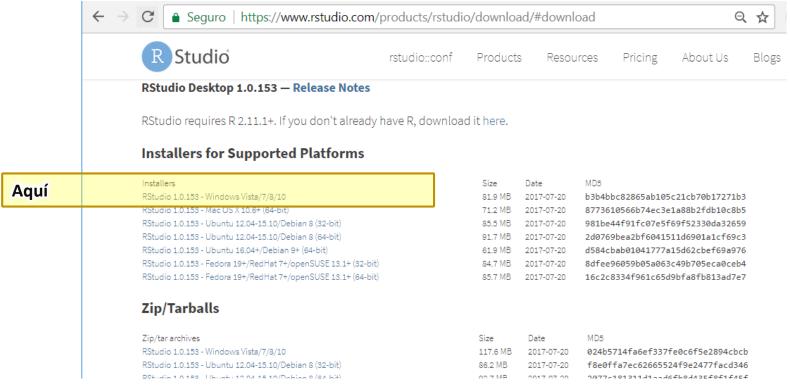
RStudio Desktop - Open Source License

Aquí





Seleccionar <u>RStudio 1.0.153 - Windows Vista/7/8/10</u>, descargar e instalar.

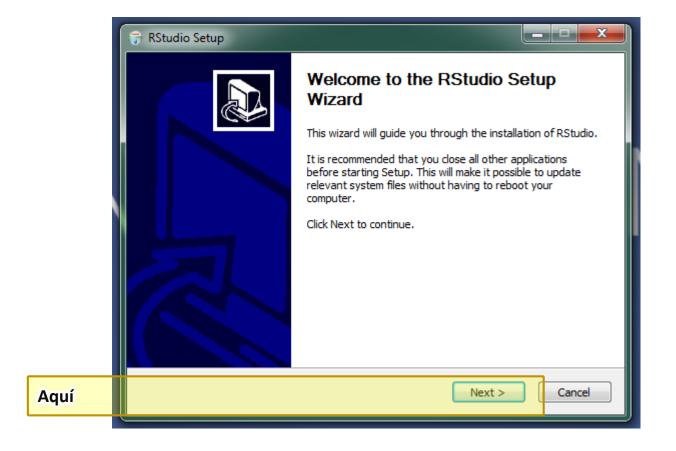






#### Instalar RStudio

• Ejecutar el archivo .exe y dar todo Next > Next (Siguiente > Siguiente)







Instalar paquetes necesarios



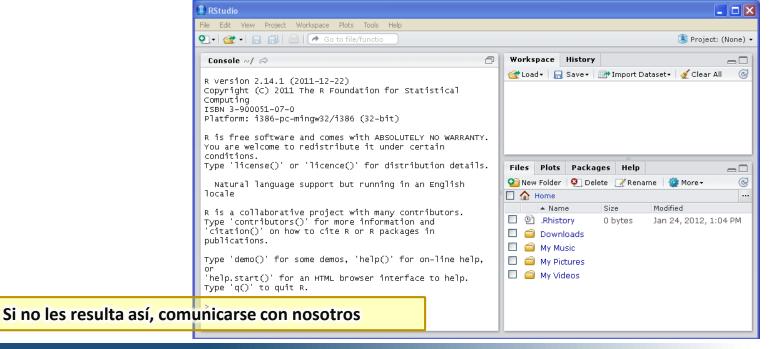


## R y Rstudio: Abrir RStudio

 Abir RStudio (ojo: es el logo circulo azul con la R en blanco)



• La primer vista es así:



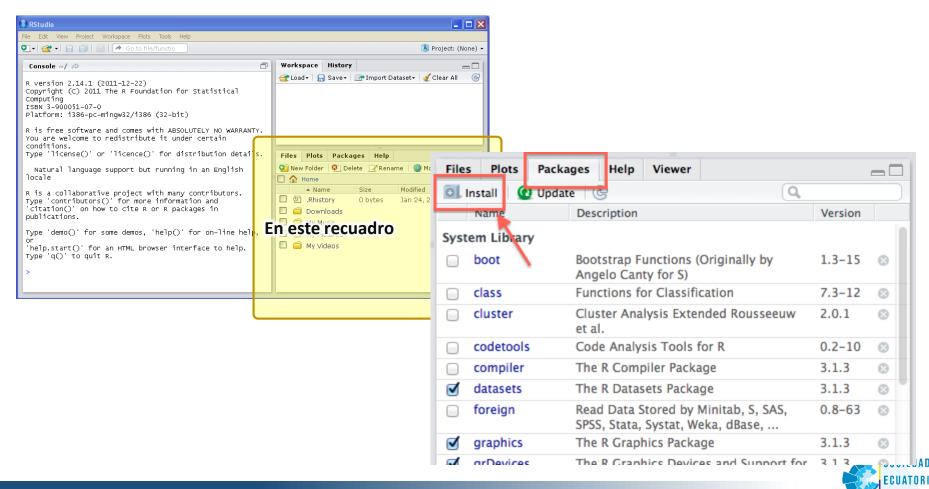


ESTADÍSTICA



## R y Rstudio: Instalar un paquete

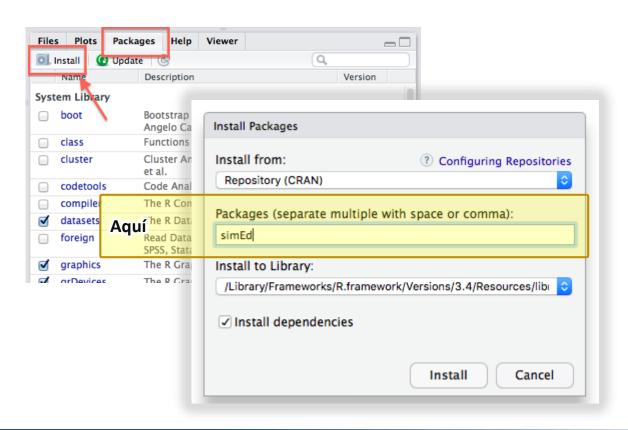
> Recuadro inferior derecho > Packages > Install





## R y Rstudio: Instalar un paquete

> Recuadro inferior derecho > Packages > Install > En el pop up escribir los paquetes a instalar (de preferencia uno a uno para ver mensajes de error)



#### Paquetes:

- tidyverse
- openxlsx
- reshape2
- GGally
- modeest
- fdth
- prettyR
- cowplot
- ggExtra
- Zoo
- RcppRoll

tener cuidado con las minúsculas y mayúsculas





## R y Rstudio: Instalar un paquete

¿Cómo ver si un paquete fue bien instalado o no?

```
trying URL 'https://cran.rstudio.com/src/contrib/UsingR_2.0-6.tar.gz'
                                        Content type 'application/x-gzip' length 1559258 bytes (1.5 MB)
                                        downloaded 1.5 MB
                                        * installing *source* package 'UsingR' ...
                                        ** package 'UsingR' successfully unpacked and MD5 sums checked
                                        .. R
                                        ** data
                                        *** moving datasets to lazyload DB
                                                                                                             > install.packages("ggExtra")
                                                                                                             Installing package into 'D:/nmontano/Mis documentos/R/win-library/3.5'
                                        ** preparing package for lazy loading
                                        Error in loadNamespace(j <- i[[1L]], c(lib.loc, .libPaths()), versionCh
                                                                                                             (as 'lib' is unspecified)
                                                                                                              also installing the dependencies 'colourpicker', 'miniUI', 'shinyjs'
                                        = vI[[j]]) :
                                          there is no package called 'htmlTable'
                                                                                                             trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/colourpicker 1.0.
                                        Error : package 'Hmisc' could not be loaded
                                        ERROR: lazy loading failed for package 'UsingR'
                                                                                                             Content type 'application/zip' length 1954606 bytes (1.9 MB)
                                                                                                             downloaded 1.9 MB
                                        * removing '/Users/Ronja/Library/R/3.3/library/UsingR'
non-zero exit status es
                                        Warning in install.packages :
                                                                                                             trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/miniUI_0.1.1.1.zi
                                          installation of package 'UsingR' had non-zero exit status
un mensaje de error
                                                                                                             Content type 'application/zip' length 36226 bytes (35 KB)
                                        The downloaded source packages are in
                                                                                                              downloaded 35 KB
                                        '/private/var/folders/zd/rzx5x8wn14q5d0mnljh989z40000gn/T/Rtmp0IQinc/do
                                                                                                              trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/shinyjs 1.1.zip'
                                        aded_packages'
                                                                                                             Content type 'application/zip' length 1039795 bytes (1015 KB)
                                        > library("UsingR")
                                                                                                             downloaded 1015 KB
                                        Error in library("UsingR") : there is no package called 'UsingR'
                                                                                                             trying URL 'https://cran.rstudio.com/bin/windows/contrib/3.5/ggExtra 0.9.zip'
                                                                                                             Content type 'application/zip' length 380204 bytes (371 KB)
                                                                                                             downloaded 371 KB
                                                                                                             package 'colourpicker' successfully unpacked and MD5 sums checked
                                                                                                             package 'miniUI' successfully unpacked and MD5 sums checked
                                                                                                             package 'shinyjs' successfully unpacked and MD5 sums checked
                                          Aquí el paquete se descargo e instaló
                                                                                                             package 'ggExtra' successfully unpacked and MD5 sums checked
                                          bien (ausencia de mensaje de error)
                                                                                                             The downloaded binary packages are in
                                                                                                                     C:\Users\nmontano\AppData\Local\Temp\RtmpiiJhu9\downloaded packages
```

# Instalación de R y RStudio

Ahora ya tienes R y RStudio instalados y listos para usar, esto necesitas para el curso.

Pero si deseas poder exportar archivos de Excel, te recomendamos seguir la guía de instalación de Rtools para Windows.