


Tutorial de instalación de “R”

Para instalar R bajo el sistema operativo Windows,

1. Ingresar a la siguiente página <https://www.r-project.org/>



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The R Project for Statistical Computing

Getting Started

R is a free software environment for statistical computing and graphics. It compiles and runs on a wide variety of UNIX platforms, Windows and MacOS. To [download R](#), please choose your preferred [CRAN mirror](#).

If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

News

- [The R Journal Volume 9/1](#) is available.
- [R version 3.4.1 \(Single Candle\)](#) has been released on Friday 2017-06-30.
- [R version 3.3.3 \(Another Canoe\)](#) has been released on Monday 2017-03-06.
- [The R Journal Volume 8/2](#) is available.

2. Seleccionar “**Download**” y se abrirá la siguiente pantalla con distintos “Mirrors” (Espejos) para descargar el software.

CRAN Mirrors

The Comprehensive R Archive Network is available at the following URLs, please choose a location close to you. Some statistics on the status of the mirrors can be found here: [main page](#), [windows re](#)

If you want to host a new mirror at your institution, please have a look at the [CRAN Mirror HOWTO](#).

0-Cloud	https://cloud.r-project.org/ http://cloud.r-project.org/	Automatic redirection to servers worldwide, currently sponsored by Rstudio Automatic redirection to servers worldwide, currently sponsored by Rstudio
Algeria	https://cran.usthb.dz/ http://cran.usthb.dz/	University of Science and Technology Houari Boumediene University of Science and Technology Houari Boumediene
Argentina	http://mirror.fcaglp.unlp.edu.ar/CRAN/	Universidad Nacional de La Plata
Australia	https://cran.csiro.au/ http://cran.csiro.au/ https://mirror.aarnet.edu.au/pub/CRAN/ https://cran.ms.unimelb.edu.au/ https://cran.curtin.edu.au/	CSIRO CSIRO AARNET School of Mathematics and Statistics, University of Melbourne Curtin University of Technology
Austria	https://cran.wu.ac.at/ http://cran.wu.ac.at/	Wirtschaftsuniversität Wien Wirtschaftsuniversität Wien

3. Seleccionar el espejo más cercano a su localidad. En nuestro caso, Argentina, Chile o Brasil. Hay un espejo en la Universidad Nacional de La Plata (UNLP)
4. Seleccionar el Sistema Operativo bajo el cual correrán “R”.

The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

5. Seleccionar-> base ->install R for the first time

R for Windows

Subdirectories:

base	Binaries for base distribution (managed by Duncan Murdoch). This is what you want to install R for the first time .
contrib	Binaries of contributed CRAN packages (for R >= 2.11.x; managed by Uwe Ligges). There is also information on third services and corresponding environment and make variables.
old contrib	Binaries of contributed CRAN packages for outdated versions of R (for R < 2.11.x; managed by Uwe Ligges).
Rtools	Tools to build R and R packages (managed by Duncan Murdoch). This is what you want to build your own packages or

6. Download R-3.4.1 for Windows (32/64 bit) (figurará la última versión al 30/06/2017 es la 3.4.1)

R-3.4.1 for Windows (32/64 bit)

[Download R 3.4.1 for Windows](#) (62 megabytes, 32/64 bit)

[Installation and other instructions](#)

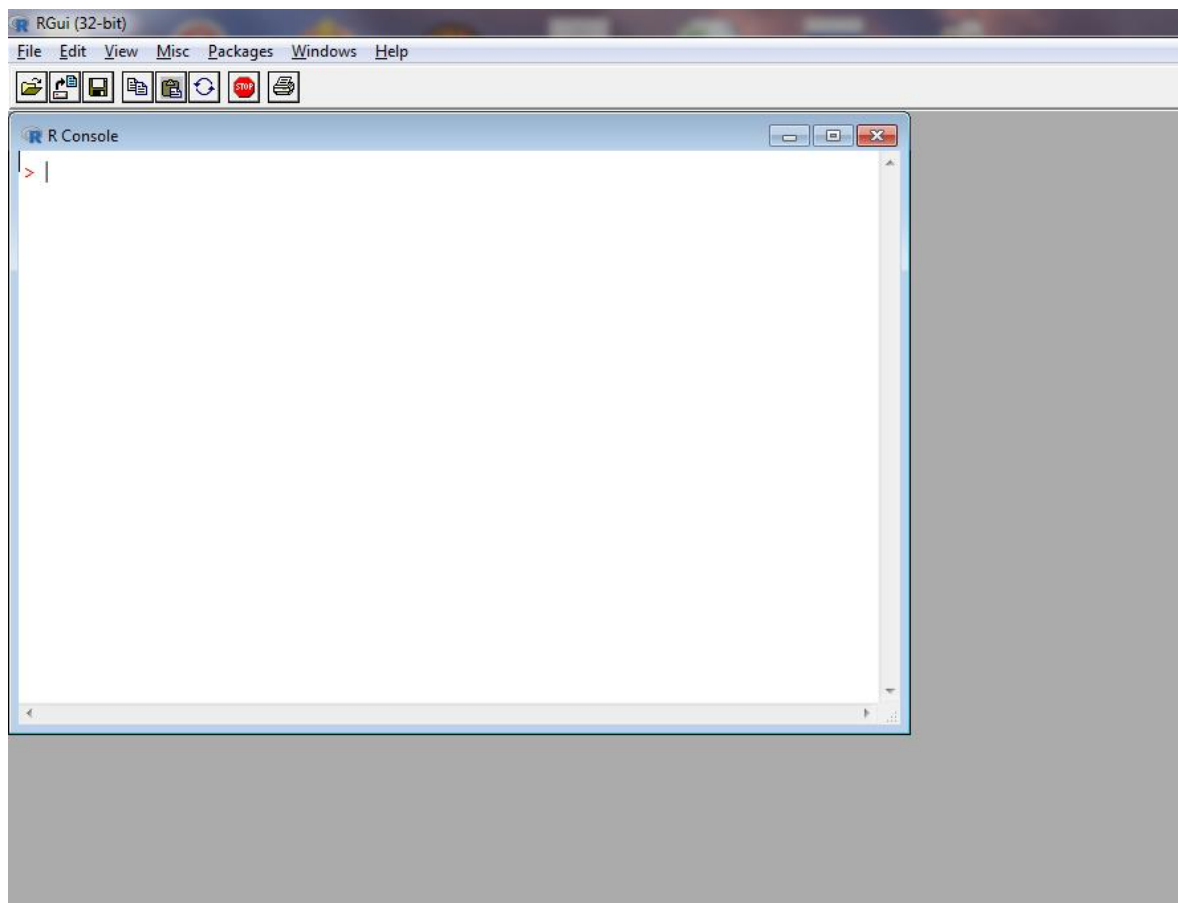
[New features in this version](#)

If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the [md5sum](#) of the windows: both [graphical](#) and [command line versions](#) are available.

7. Guardar el archivo en algún directorio de su PC.

8. Buscar el archivo y ejecutarlo. Al realizar esta operación podrán seleccionar el idioma durante la instalación, como así también otras opciones, pero recomendamos que al instalarlo por primera vez mantengan la configuración por default. a) Se selecciona el idioma

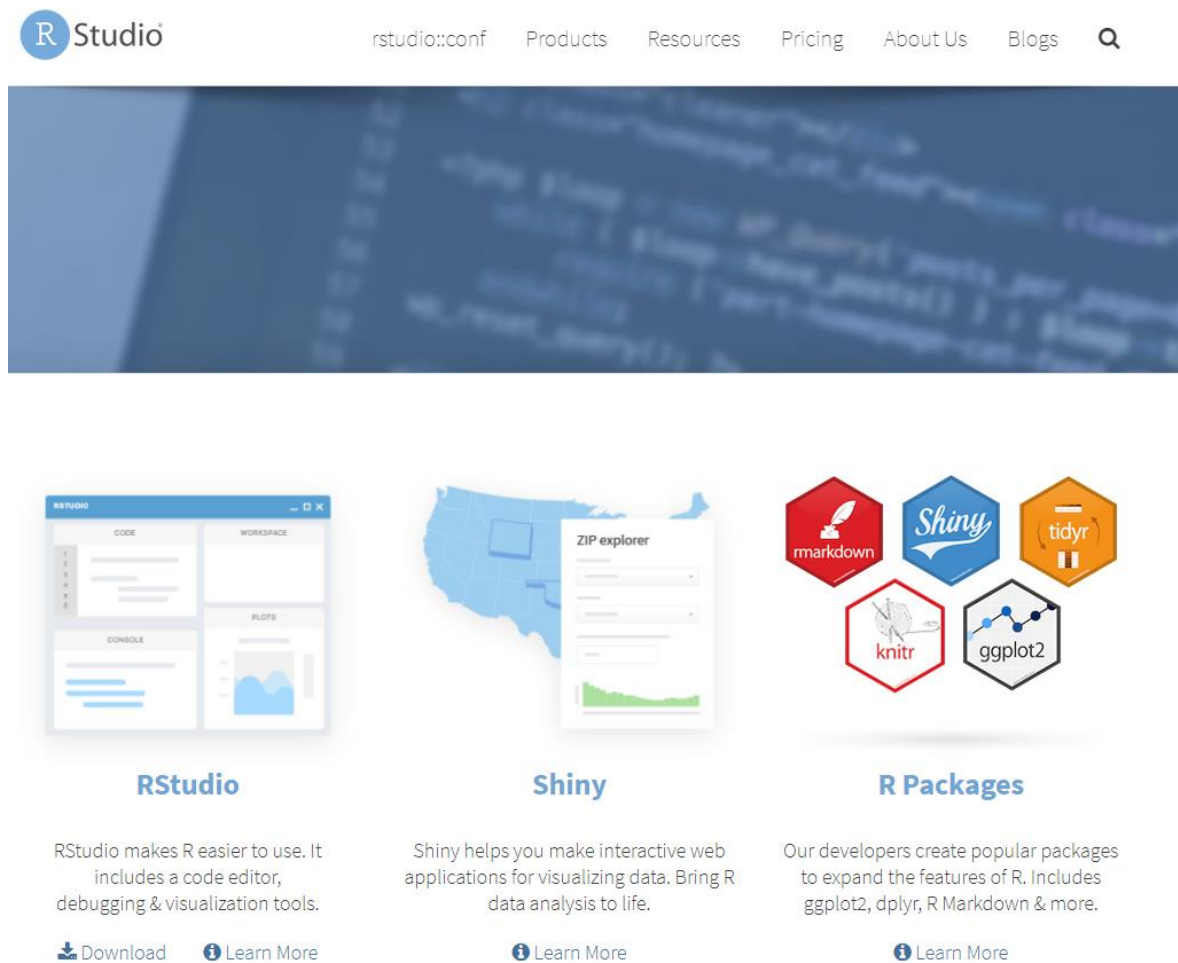
9. Al finalizar la instalación se creará un icono en el Escritorio. Al hacer doble clic, aparece la siguiente pantalla con la consola de “R”.



Instalación de “RStudio”

Existen diversas interfaces gráficas de usuario (GUI) para “R”. La más utilizada es “RStudio”.

10. Ingresar a la siguiente dirección <https://www.rstudio.com/>



The image shows the RStudio website. At the top is the RStudio logo and a navigation menu with links: rstudio::conf, Products, Resources, Pricing, About Us, Blogs, and a search icon. Below the navigation bar is a large blue banner with blurred R code. The main content area is divided into three columns. The first column is for RStudio, showing a screenshot of the RStudio interface with panels for CODE, WORKSPACE, CONSOLE, and PLOTS. The second column is for Shiny, showing a map of the United States and a 'ZIP explorer' application. The third column is for R Packages, showing logos for markdown, Shiny, tidy, knitr, and ggplot2. Each column has a title, a description, and a 'Learn More' link.

RStudio

RStudio makes R easier to use. It includes a code editor, debugging & visualization tools.

[Download](#) [Learn More](#)

Shiny

Shiny helps you make interactive web applications for visualizing data. Bring R data analysis to life.


[Learn More](#)


R Packages

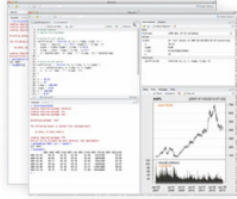
Our developers create popular packages to expand the features of R. Includes ggplot2, dplyr, R Markdown & more.

[Learn More](#)

11. Seleccionar “Download” y aparecerá la siguiente pantalla,



rstudio::conf Products Resources Pricing About Us Blogs 



Choose Your Version of RStudio

RStudio is a set of integrated tools designed to help you be more productive with R. It includes a console, syntax-highlighting editor that supports direct code execution, and a variety of robust tools for plotting, viewing history, debugging and managing your workspace. [Learn More about RStudio features.](#)

RStudio Desktop Open Source License	RStudio Desktop Commercial License	RStudio Server Open Source License	RStudio Server Pro Commercial License	RStudio Server Pro + RStudio Connect Commercial License
FREE	\$995 per year	FREE	\$9,995 per year	\$29,995 per year

12. Seleccionar la descarga gratuita para Escritorio –Rstudio Desktop- (FREE), nuevamente en función de su Sistema Operativo.

Installers for Supported Platforms

Installers

[RStudio 1.0.153 - Windows Vista/7/8/10](#)
[RStudio 1.0.153 - Mac OS X 10.6+ \(64-bit\)](#)
[RStudio 1.0.153 - Ubuntu 12.04-15.10/Debian 8 \(32-bit\)](#)
[RStudio 1.0.153 - Ubuntu 12.04-15.10/Debian 8 \(64-bit\)](#)
[RStudio 1.0.153 - Ubuntu 16.04+/Debian 9+ \(64-bit\)](#)
[RStudio 1.0.153 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(32-bit\)](#)
[RStudio 1.0.153 - Fedora 19+/RedHat 7+/openSUSE 13.1+ \(64-bit\)](#)

13. Luego de realizar la ejecución del archivo descargado y seguir las instrucciones para su instalación, podrán comenzar a utilizar dicha GUI. La pantalla que aparecerá al abrir el programa es la siguiente,

The screenshot shows the RStudio IDE interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. The top toolbar contains icons for saving, running, and other functions. The top status bar shows "Project: flower".

The main editor window displays the R script content, which includes comments about the R version (3.3.2) and the "Sincere Pumpkin Patch" license, followed by a series of R commands:

```
R version 3.3.2 (2016-10-31) -- "Sincere Pumpkin Patch"
copyright (c) 2016 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x86_64 (32-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[workspace loaded from ~/.RData]

> |
```

The console window at the bottom shows the output of these commands, including the R version and the "Sincere Pumpkin Patch" license text.

The environment window on the right shows the global environment with variables "data", "col1", "col2", "x", and "y".