

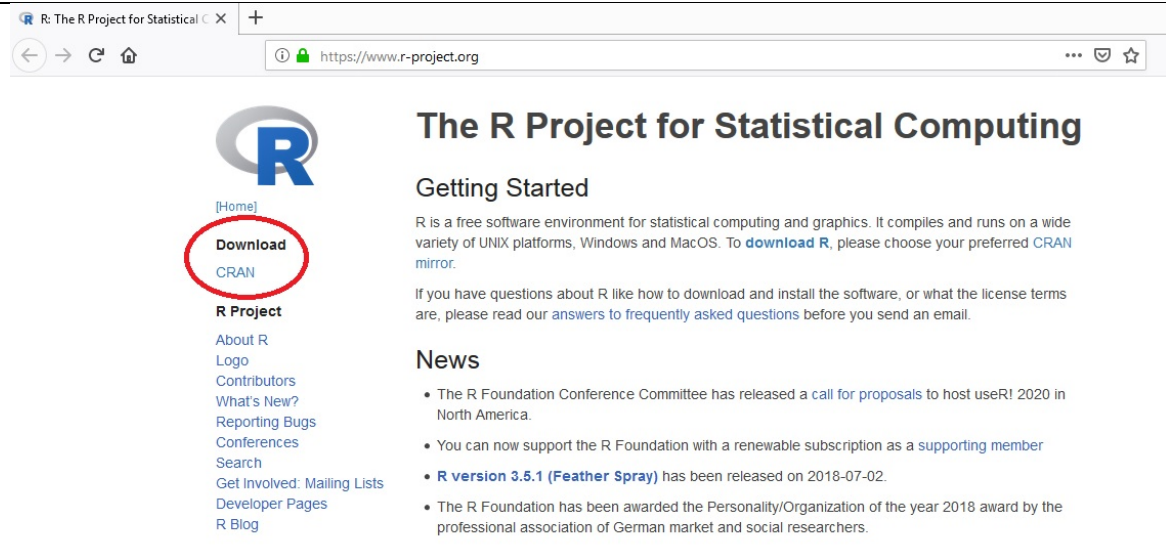
DESCARGAR E INSTALAR R Y RStudio.

1.1. Instalación de R.

Para instalar R en nuestro ordenador, vamos a la página web de *R project*:

<https://www.r-project.org/> (ver Figura 1).

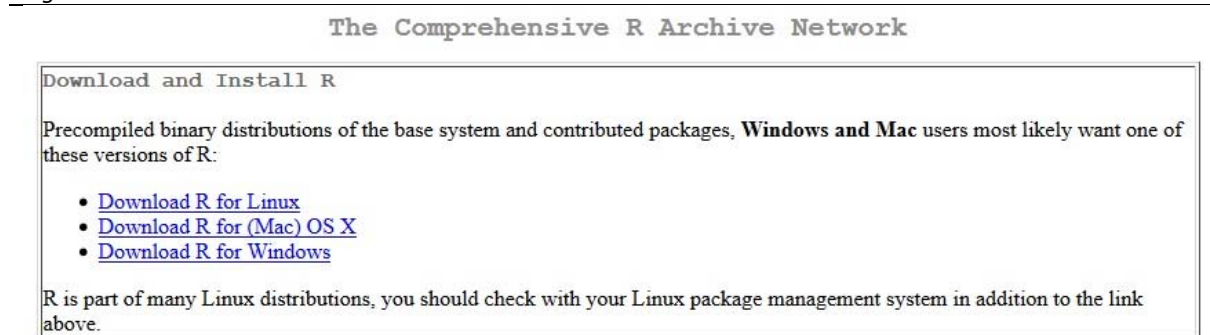
Figura 1. Página web de R.



Para descargar R, hacemos clic en *CRAN* y seleccionamos el enlace del “*espejo*” más próximo a nuestra ubicación (SPAIN). Hacer clic sobre cualquiera de los cuatro enlaces que se facilitan.

Ahora, en función del sistema operativo de nuestro ordenador, seleccionamos la opción adecuada (ver Figura 2).

Figura 2. Versiones de R.



a) Instalar R en Windows.

Al hacer clic sobre *Download R for Windows* iremos a la página que se reproduce más abajo. Hacemos clic sobre *install R for the first time* (ver Figura 3).

Figura 3. R para Windows.

R for Windows

Subdirectories:

base	Binaries for base distribution. This is what you want to install R for the first time .
contrib	Binaries of contributed CRAN packages (for R >= 2.13.x, managed by Uwe Ligges). There is also information on third party software available for CRAN Windows services and corresponding environment and make variables.
old contrib	Binaries of contributed CRAN packages for outdated versions of R (for R < 2.13.x; managed by Uwe Ligges).
Rtools	Tools to build R and R packages. This is what you want to build your own packages on Windows, or to build R itself.

Please do not submit binaries to CRAN. Package developers might want to contact Uwe Ligges directly in case of questions / suggestions related to Windows binaries.

You may also want to read the [R FAQ](#) and [R for Windows FAQ](#).

Note: CRAN does some checks on these binaries for viruses, but cannot give guarantees. Use the normal precautions with downloaded executables.

En la siguiente ventana, hacemos clic sobre **Download R 3.5.2 for Windows** y guardamos el archivo de instalación (ver Figura 4).

Figura 4. Descargar R para Windows (SE HA ACTUALIZADO LA VERSION A R 3.5.2)

R-3.5.1 for Windows (32/64 bit)

Download R 3.5.1 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 .exe to the [fingerprint](#) on the master server. You will need a version of md5sum for windows: both [graphical](#) and [command line versions](#) are available.

Frequently asked questions

- [Does R run under my version of Windows?](#)
- [How do I update packages in my previous version of R?](#)
- [Should I run 32-bit or 64-bit R?](#)

Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

Abrimos el archivo descargado (haciendo doble clic sobre fichero) para instalar R.

b) Instalar R en Mac.

Al hacer clic sobre *Download R for (Mac) OS X* iremos a la página que se reproduce más abajo. Hacemos clic sobre **R-3.5.2.pkg** para descargarnos el fichero de instalación (ver Figura 5).

Figura 5. R para Mac (SE HA ACTUALIZADO LA VERSION A R-3.5.2.pkg).

R for Mac OS X

This directory contains binaries for a base distribution and packages to run on Mac OS X (release 10.6 and above). Mac OS 8.6 to 9.2 (and Mac OS X 10.1) are no longer supported but you can find the last supported release of R for these systems (which is R 1.7.1) [here](#). Releases for old Mac OS X systems (through Mac OS X 10.5) and PowerPC Macs can be found in the [old](#) directory.

Note: CRAN does not have Mac OS X systems and cannot check these binaries for viruses. Although we take precautions when assembling binaries, please use the normal precautions with downloaded executables.

As of 2016/03/01 package binaries for R versions older than 2.12.0 are only available from the [CRAN archive](#) so users of such versions should adjust the CRAN mirror setting accordingly.

R 3.5.1 "Feather Spray" released on 2018/07/05

Important: since R 3.4.0 release we are now providing binaries for OS X 10.11 (El Capitan) and higher using non-Apple toolkit to provide support for OpenMP and C++17 standard features. To compile packages you may have to download tools from the [tools](#) directory and read the corresponding note below.

Please check the MD5 checksum of the downloaded image to ensure that it has not been tampered with or corrupted during the mirroring process. For example type `md5 R-3.5.1.pkg` in the *Terminal* application to print the MD5 checksum for the R-3.5.1.pkg image. On Mac OS X 10.7 and later you can also validate the signature using `pkgutil --check-signature R-3.5.1.pkg`

Lastest release:

R-3.5.1.pkg
MD5-sha1: 38e9f59b0024f67e1e221e7e7b
SHA256: f5010ba62a68996d59a4511e25d17276d149621
(ca. 74MB)

R 3.5.1 binary for OS X 10.11 (El Capitan) and higher, signed package. Contains R 3.5.1 framework, R.app GUI 1.70 in 64-bit for Intel Macs, Tcl/Tk 8.6.6 X11 libraries and Texinfo 5.2. The latter two components are optional and can be omitted when choosing "custom install", they are only needed if you want to use the `tcltk` R package or build package documentation from sources.

Note: the use of X11 (including `tcltk`) requires [XQuartz](#) to be installed since it is no longer part of OS X. Always re-install XQuartz when upgrading your macOS to a new major version.

Important: this release uses Clang 6.0.0 and GNU Fortran 6.1, neither of which is supplied by Apple. If you wish to compile R packages from sources, you will need to download and install those tools - see the [tools](#) directory.

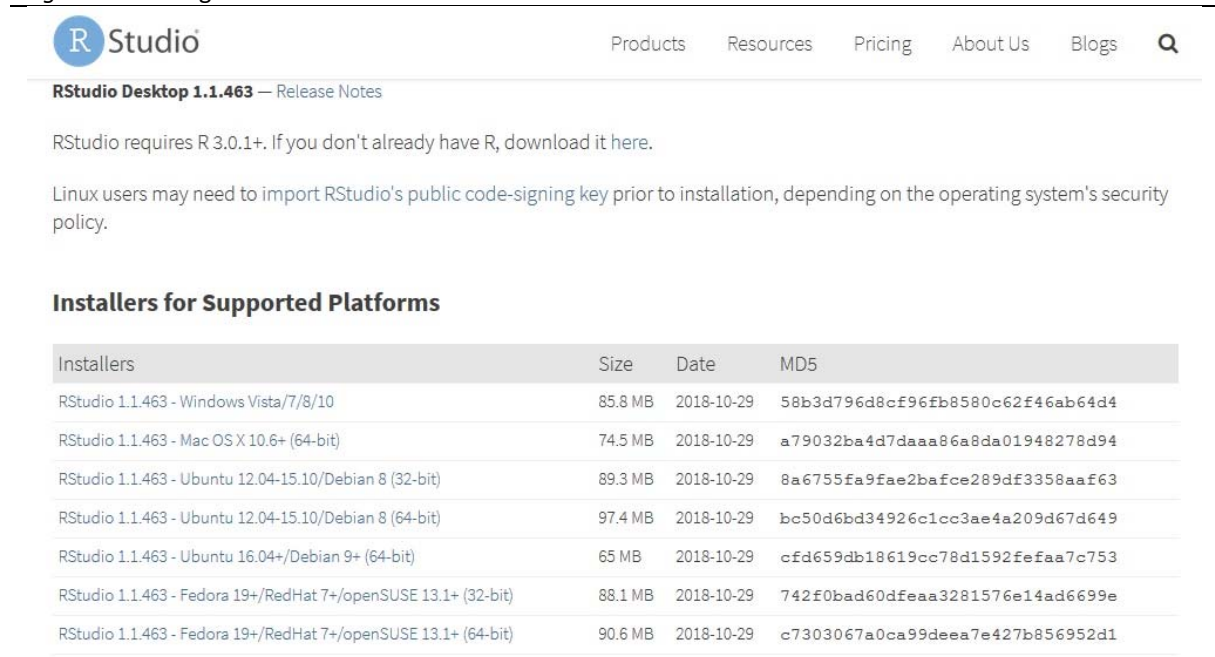
Abrimos *R-3.5.2.pkg* y seguimos las instrucciones para instalar R.

1.2. Instalar RStudio.

Una vez que hemos instalado R, descargamos RStudio desde el siguiente enlace (ver Figura 6):

<https://www.rstudio.com/products/rstudio/download/#download>

Figura 6. Descargar RStudio.



The screenshot shows the RStudio website's download page for RStudio Desktop 1.1.463. The page features a navigation bar with links for Products, Resources, Pricing, About Us, and Blogs. Below the navigation bar, there is a section for "RStudio Desktop 1.1.463 — Release Notes" which includes instructions for Linux users. The main content area is titled "Installers for Supported Platforms" and contains a table with the following data:

Installers	Size	Date	MD5
RStudio 1.1.463 - Windows Vista/7/8/10	85.8 MB	2018-10-29	58b3d796d8cf96fb8580c62f46ab64d4
RStudio 1.1.463 - Mac OS X 10.6+ (64-bit)	74.5 MB	2018-10-29	a79032ba4d7daaa86a8da01948278d94
RStudio 1.1.463 - Ubuntu 12.04-15.10/Debian 8 (32-bit)	89.3 MB	2018-10-29	8a6755fa9fae2bafce289df3358aaef63
RStudio 1.1.463 - Ubuntu 12.04-15.10/Debian 8 (64-bit)	97.4 MB	2018-10-29	bc50d6bd34926cc1cc3ae4a209d67d649
RStudio 1.1.463 - Ubuntu 16.04+/Debian 9+ (64-bit)	65 MB	2018-10-29	cf659db18619cc78d1592fefaa7c753
RStudio 1.1.463 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (32-bit)	88.1 MB	2018-10-29	742f0bad60dfeaa3281576e14ad6699e
RStudio 1.1.463 - Fedora 19+/RedHat 7+/openSUSE 13.1+ (64-bit)	90.6 MB	2018-10-29	c7303067a0ca99deea7e427b856952d1

Para descargar el fichero ejecutable, seleccionamos la opción según nuestro sistema operativo:

- RStudio 1.1.463 - Windows Vista/7/8/10
- RStudio 1.1.463 - Mac OS X 10.6+ (64-bit)

Primero, guardamos el fichero. A continuación, lo abrimos para instalar RStudio. Seguimos las instrucciones de instalación.