

Instalación de R

Taller GBIF.ES: Manejo, visualización y
análisis de datos en ecología con R

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REAL JARDÍN
BOTÁNICO



Tema 1. Introducción a R

1.- Qué es R

Tema 1. Introducción a R

1.- Qué es R

- R es un lenguaje de programación libre, especialmente indicado para análisis estadístico y elaboración de gráficos.
- R es una versión libre de otro programa que se llama S o S-plus, desarrollado por los Laboratorios Bell
- Todo el código de R está disponible como software libre bajo las condiciones de licencia GNU-GPL.
- Podéis acceder al proyecto R desde un buscador escribiendo “R project” o visitando directamente su página <http://www.r-project.org>

Tema 1. Introducción a R

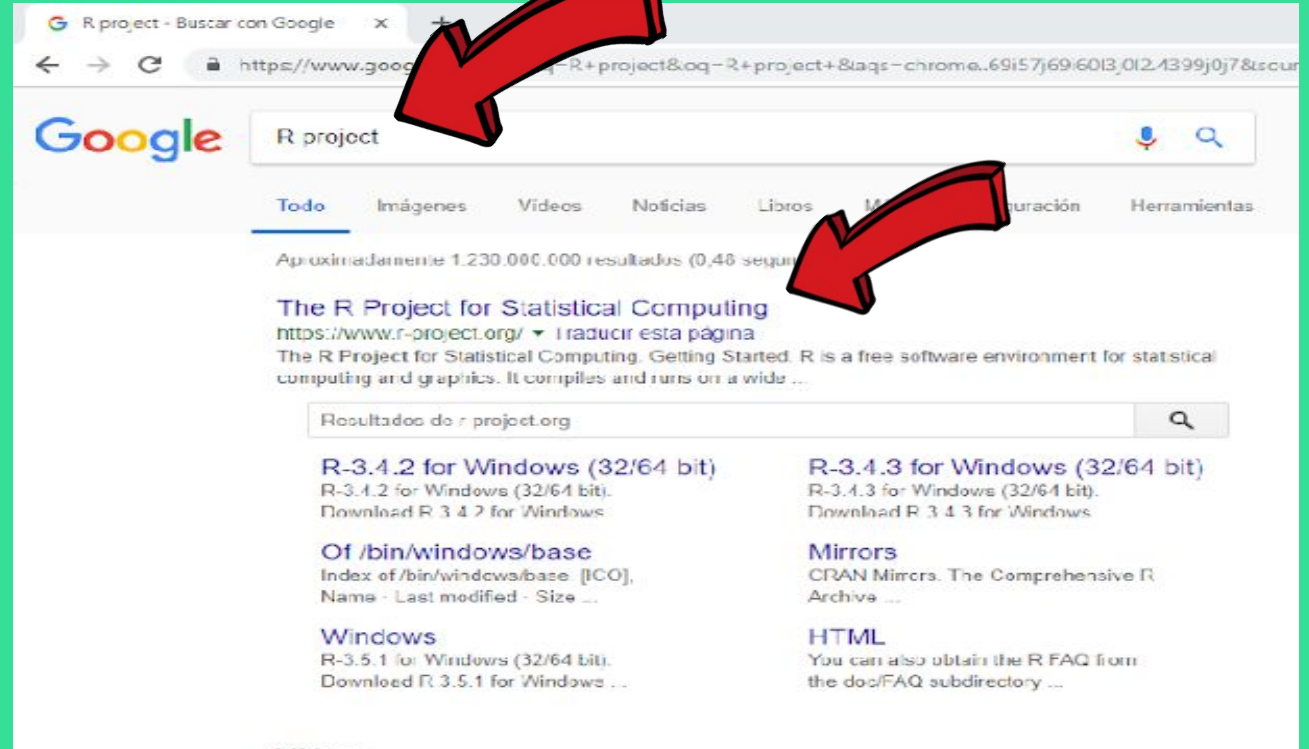
1.- Qué es R


2.- Instalación de R

Tema 1. Introducción a R

1.- Qué es R

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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 Foundation Conference Committee has released a [call for proposals](#) to host useR! 2020 in North America.
- You can now support the R Foundation with a renewable subscription as a [supporting member](#).
- [R version 3.5.1 \(Feather Spray\)](#) has been released on 2018-07-02.
- The R Foundation has been awarded the Personality/Organization of the year 2018 award by the professional association of German market and social researchers.

News via Twitter



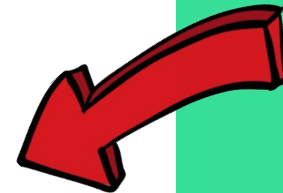
The R Foundation
[@_R_Foundation](#)
We welcome [@grlenquainoz](#), [@edzerpehasma](#) and [@henrikbergström](#), elected as ordinary members of the R Foundation in recognition of their services to the R community.

15j



useR! 2019
[@UseR2019_Conf](#)
17-12-18 ;
01-19 ;
15-02-19 ;


All the important dates are on our website: [user2019.r-project.org/dates/](#)



The screenshot shows the CRAN Mirrors website with a list of mirrors organized by country. A red arrow points to the URL for the University of the Philippines and PREGINET mirror.

Country	URL	Organization
Portugal	https://cran.stat.upd.edu.ph/	University of the Philippines and PREGINET
Portugal	http://cran.stat.upd.edu.ph/	University of the Philippines and PREGINET
Portugal	http://cran.radicaldevelop.com/	RadicalDevelop, Lda
Portugal	http://cran.dcc.fc.up.pt/	University of Porto
Serbia	https://fourdots.com/mirror/CRAN/	Four Dots
Singapore	https://cran.stat.nus.edu.sg/	National University of Singapore, Singapore
Singapore	http://cran.stat.nus.edu.sg/	National University of Singapore, Singapore
South Africa	http://r.ado.org.za/	University of Cape Town
South Africa	http://cran.mirror.ac.za/	TENET, Johannesburg
Spain	https://ftp.cixug.es/CRAN/	Oficina de software libre (CIXUG)
Spain	http://ftp.cixug.co/CRAN/	Oficina de software libre (CIXUG)
Spain	https://cran.rediris.es/	Spanish National Research Network, Madrid
Spain	http://cran.rediris.es/	Spanish National Research Network, Madrid
Sweden	https://ftp.acc.umu.se/mirror/CRAN/	Academic Computer Club, Umeå University
Sweden	http://ftp.acc.umu.se/mirror/CRAN/	Academic Computer Club, Umeå University
Switzerland	https://stat.ethz.ch/CRAN/	ETH Zurich
Switzerland	http://stat.ethz.ch/CRAN/	ETH Zurich
Taiwan	https://ftp.yzu.edu.tw/CRAN/	Department of Computer Science and Engineering, Yuan Ze University
Taiwan	http://ftp.yzu.edu.tw/CRAN/	Department of Computer Science and Engineering, Yuan Ze University
Taiwan	http://cran.csie.ntu.edu.tw/	National Taiwan University, Taipei
Thailand	http://mirrors.pau.ac.th/pub/cran/	Prince of Songkla University, Hatyai
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Turkey	http://cran.pau.edu.tr/	Pamukkale University, Denizli
Turkey	https://cran.ncc.meru.edu.tr/	Middle East Technical University Northern Cyprus Campus, Mersin
Turkey	http://cran.ncc.meru.edu.tr/	Middle East Technical University Northern Cyprus Campus, Mersin
UK	https://www.stats.bris.ac.uk/R/	University of Bristol
UK	http://www.stats.brs.ac.uk/R/	University of Bristol
UK	https://cran.mss.imperial.ac.uk/	Imperial College London
UK	http://cran.mss.imperial.ac.uk/	Imperial College London
USA	https://cran.eas.berkeley.edu/	University of California, Berkeley, CA

The Comprehensive R Archive Network



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Download and Install R

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

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

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2018-07-02, Feather Spray) [R-3.5.1.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- 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.

What are R and CRAN?

R is 'GNU S', a freely available language and environment for statistical computing and graphics which provides a wide variety of statistical and graphical techniques: linear and nonlinear modelling, statistical time series analysis, classification, clustering, etc. Please consult the [R project homepage](#) for further info.

CRAN is a network of ftp and web servers around the world that store identical, up-to-date, versions of documentation for R. Please use the CRAN [mirror](#) nearest to you to minimize network load.

Submitting to CRAN

To "submit" a package to CRAN, check that your submission meets the [CRAN Repository Policy](#) and the [web form](#).



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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 \geq 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.

The Comprehensive R Archive Net: x +

← → ↻ https://ftp.cixug.es/CRAN/ ☆ 📁



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](#)

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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?](#)

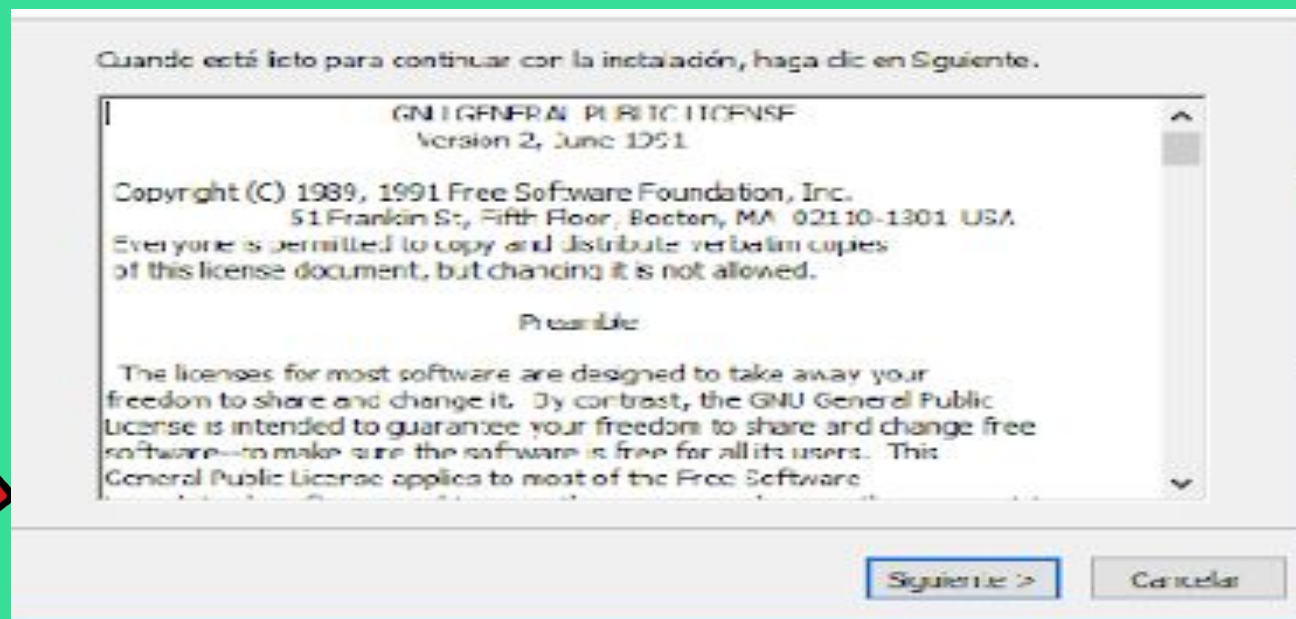
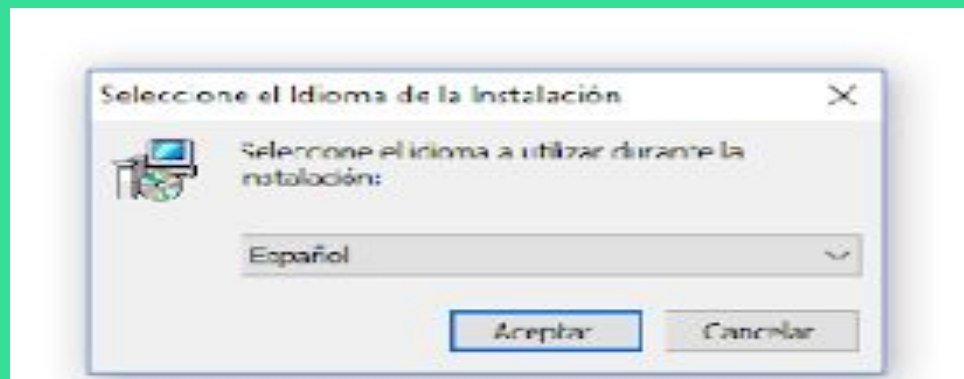
Please see the [R FAQ](#) for general information about R and the [R Windows FAQ](#) for Windows-specific information.

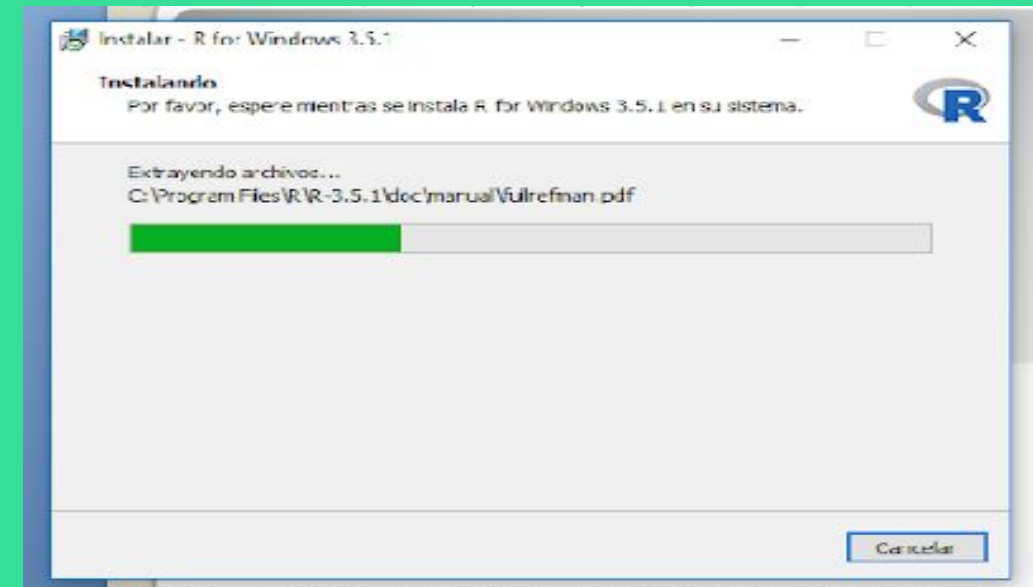
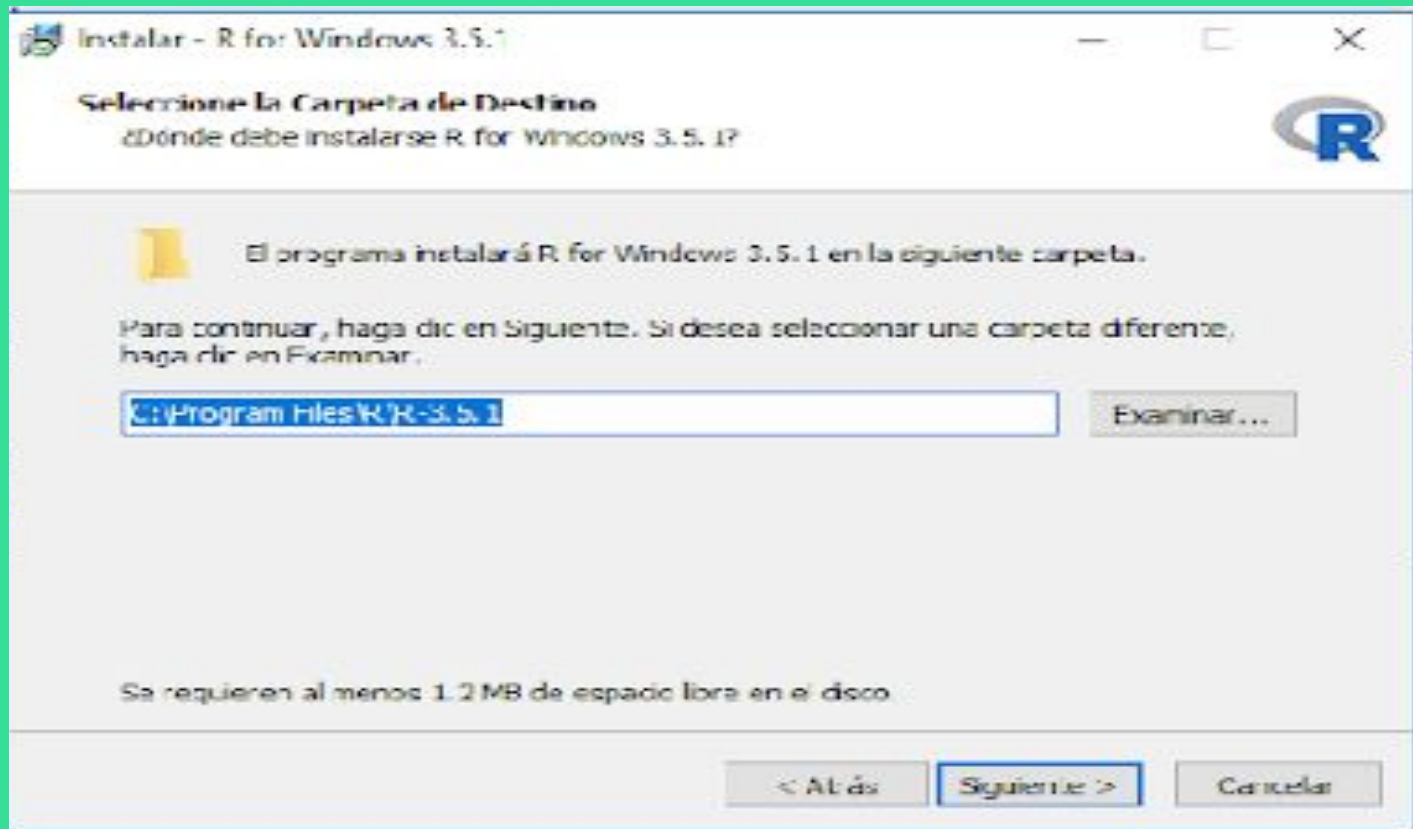
Other builds

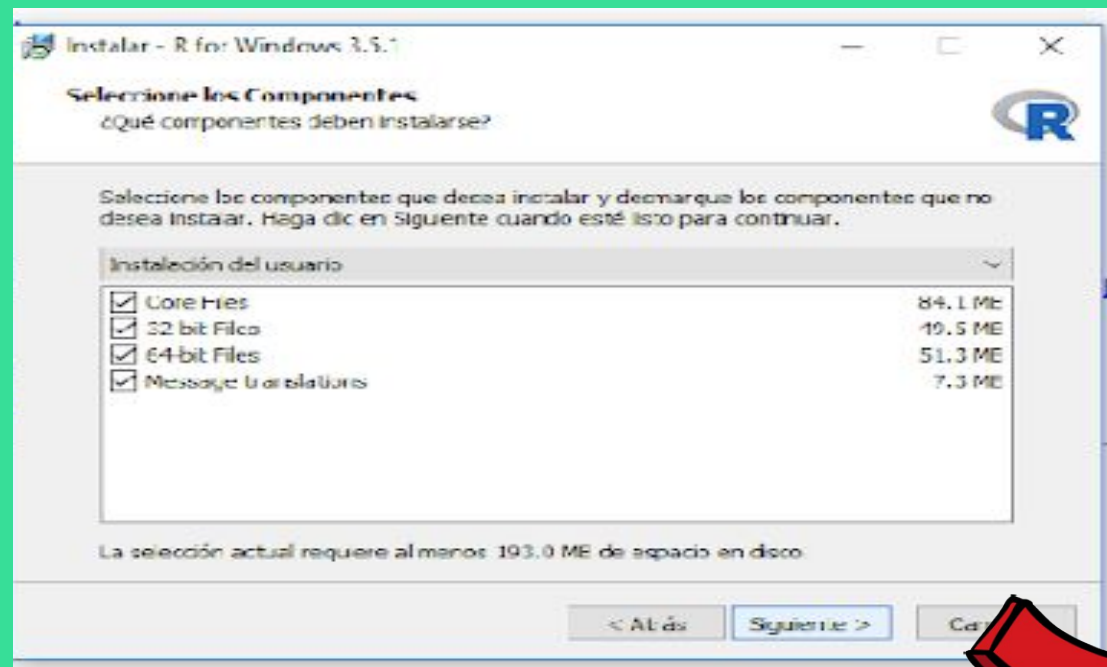
- Patches to this release are incorporated in the [r-patched snapshot build](#).
- A build of the development version (which will eventually become the next major release of R) is available in the [r-devel snapshot build](#).
- [Previous releases](#)

Note to webmasters: A stable link which will redirect to the current Windows binary release is [<CRAN MIRROR>/bin/windows/base/release.htm](#).

Last change: 2018-07-02







Gbif.es

¡Gracias!

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