

# Guide to Downloading and Installing R and RStudio

## Downloading R

- Visit <https://cran.r-project.org>
- The page below should appear on your screen



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The Comprehensive R Archive Network

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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 \(Debian, Fedora/Redhat, Ubuntu\)](#)
- [Download R for macOS](#)
- [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.

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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 (2022-03-10, One Push-Up) [R-4.1.3.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](#)

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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.

- Find your OS, click on the corresponding link and download the **base** package
- Click the download link to begin downloading R

## Installing R

- Open the downloaded file
- Choose your preferred language from the dropdown menu. Then click **Next >**
- Review the license information and click **Next>**
- Choose the Install location for R, you can go with the default location. Then click **Next>**
- Click the checkboxes for the appropriate files you need. For example, if you have a 64-bit system, only download those files. Click **Next>**
- Select **No** for customizing your startup options, click **Next>**
- At the following screen click **Next>**
- Select additional shortcuts or tasks you would like to add during the installation, then click **Next>**
- After the installation click on **Finish**
- **You have now installed R on your computer.**

## Downloading RStudio Desktop

- Visit <https://www.rstudio.com/products/rstudio/download/#download>
- Download the appropriate RStudio Desktop installer for your operating system
- Once you have downloaded the installer, open it and install RStudio

## Installing R and RStudio Within Anaconda

- If you have anaconda installed on your system, open Anaconda Navigator.
- In the Navigator, Click the **Environments** tab, then click the **Create** button at the bottom of the tab.
- The “Create new environment” dialog box should appear.
- In the **Name** field, type a name for your environment.
- In the packages list select **R**

- On the drop-down menu, select **r** to install R with the packages r-base and r-essentials.
  - Click the **Create** button.
  - After the installation, click the **Home** button and then the **Install** button on the **RStudio application**.
  - If a “Create new environment” dialog box appears, Click on **Create**.
  - Once the installation of RStudio is complete, click on **Launch** to run RStudio from Navigator.
- You have installed an RStudio environment within Anaconda.**

If you encounter any problem during your installation in Anaconda, you can refer to the address below for clarification:

<https://docs.anaconda.com/anaconda/navigator/tutorials/create-r-environment/>

### **Installing R Packages needed for the Workshop.**

- Open RStudio
- In the R Console or an R Script type in the following commands to install the packages.

- `install.packages("tidyverse")`  
`install.packages("sysfonts")`  
`install.packages("showtext")`  
`install.packages("ggribes")`  
`install.packages("viridis")`  
`install.packages("tidytext")`
- The versions of these packages needed for the workshop are:  
Tidyverse - 1.3.1  
Sysfonts - 0.8.5  
Showtext - 0.9.4  
Ggribes - 0.5.3  
Viridis - 0.6.2  
tidytext- 0.3.2
- If you're installing these packages for the first time you don't need to worry about the versions as they are the most recent versions on CRAN.
- If you have installed them previously you can update your packages by running the same commands above or by updating all your packages using:  
`update.packages()`