

Download and Install R and RStudio

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June 2024

Steps to Download and Install R

Step 1: Visit the R Project Website

1. Open your web browser.
2. Go to the Comprehensive R Archive Network (CRAN) by visiting the official R Project website: <https://www.r-project.org/>.

Step 2: Choose a CRAN Mirror

1. On the R Project homepage, click on the “download R” or “CRAN mirror” link under the “Getting Started” section.
2. Select a CRAN mirror site that is closest to your location for faster download speeds.

Step 3: Download the R Installer

For Windows:

1. Click on the “Download R for Windows” link.
2. Click on the “base” link to download the basic R installation.
3. Click on the link for the latest version of R (e.g., “Download R 4.4.1 for Windows”) to download the installer.

For macOS:

1. Click on the “Download R for macOS” link.
2. Choose the appropriate file for your macOS version (usually the latest release).

For Linux:

1. Click on the “Download R for Linux” link.
2. Choose your specific Linux distribution (e.g., Ubuntu, Debian, Fedora).
3. Follow the instructions provided for your distribution to add the CRAN repository and install R.

Step 4: Install R

For Windows:

1. Once the installer is downloaded, open the `.exe` file.
2. Follow the prompts in the R Setup Wizard to complete the installation.
3. You can choose the default options or customize the installation as needed.

For macOS:

1. Open the downloaded `.pkg` file.
2. Follow the instructions in the installer to complete the installation.

For Linux:

1. Open a terminal window.
2. Use the package manager for your distribution to install R. For example, on Ubuntu:

```
sudo apt update
sudo apt install r-base
```

Step 5: Verify the Installation

After the installation is complete, open R to ensure it is working correctly.

- For Windows: Find and open “R” from the Start menu.
- For macOS: Open the Terminal and type R to start R.
- For Linux: Open a terminal and type R to start R.

You should see the R console with a welcome message and a prompt (`>`).

Steps to Download and Install RStudio

Step 1: Download RStudio

1. Visit the RStudio homepage <https://www.rstudio.com/>.
2. Click on “DOWNLOAD RSTUDIO” on the top right of the page.
3. Choose the RStudio Desktop free version suitable for your operating system (Windows, macOS, Linux). You may click this link <https://posit.co/download/rstudio-desktop/> to navigate to this page directly.
4. Click on the download link for your OS to start the download.

Step 2: Install RStudio

For Windows:

1. Download the `.exe` file.
2. Run the installer and follow the on-screen instructions.

For macOS:

1. Download the `.dmg` file.
2. Open the downloaded file and drag the RStudio icon to your Applications folder.

For Linux:

1. Download the appropriate package (e.g., `.deb` for Debian-based systems, `.rpm` for RedHat-based systems).
2. Open a terminal and navigate to the directory where the package was downloaded.
3. Install the package, for example, on Ubuntu:

```
sudo dpkg -i rstudio-x.yy.zz-amd64.deb
sudo apt-get install -f
```

Step 3: Open RStudio

1. Launch RStudio: Find RStudio in your applications menu and open it.
2. Configure RStudio: On the first launch, RStudio will automatically detect the installed R version. You may check and configure this by going to **Tools > Global Options > General**.