

# Installing R and RStudio

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# Purpose

- These slides guide you through the process of installing R and RStudio onto a desktop.
- R, RStudio and R Packages are three distinct things:
  - R is a **programming language** built for statistics.
  - RStudio is a **development environment** in which R runs. It makes R easier to use.
  - Packages are **collections of specialist tools** which make R more suited for certain tasks.
- Instructions are given for Windows computers, but should be the same for Mac and Linux; simply click on the appropriate option when they are presented.

# How to Install R

1. Go to [cloud.r-project.org](https://cloud.r-project.org).
2. Select **Download R for Windows**.
3. Select **base**.
4. Click **Download R 4.1.2 for Windows**.
5. **Run the .exe** to install R.

# How to Install RStudio

1. Go to [rstudio.com](https://rstudio.com).
2. Navigate to **products > RStudio**.
3. Scroll down and select **Download Rstudio Desktop**.
4. Select **RStudio Desktop – Open Source License** (Free option).
5. Select **RStudio - Windows**.
6. **Run the .exe** to install RStudio.

# How to Install Packages

1. **Launch RStudio.**
2. In the console (the place you can type on the left-hand side of the screen, where the line starts with a ">") type the following commands, pressing enter between them:

```
install.packages("openair")  
install.packages("tidyverse")
```