Getting started with R

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Preparation

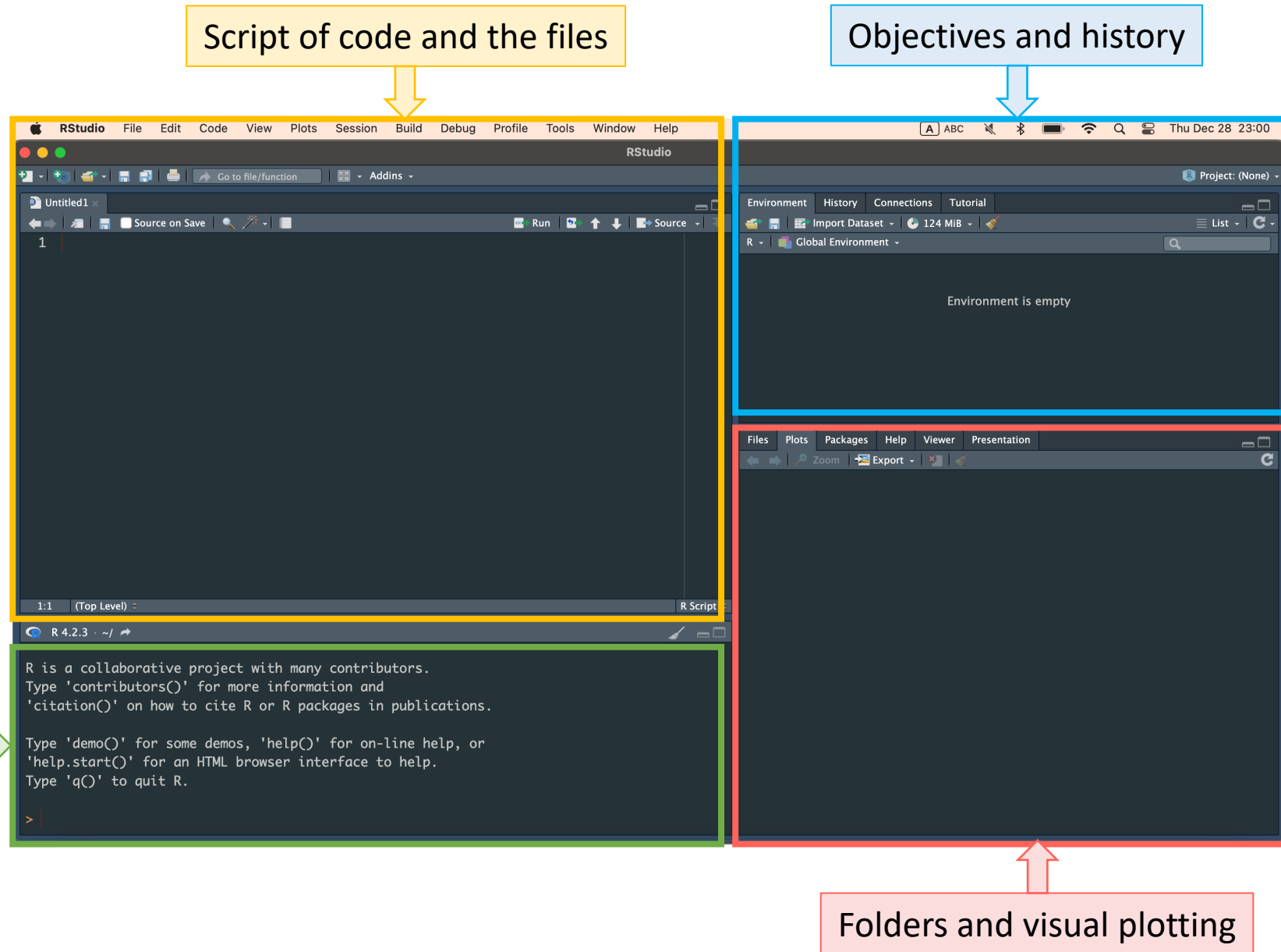## 1. Download R

▶ Free software environment for mathematical statistics and visualization

▶ You can download R from   https://www.r-project.org/

2. Download Rstudio

▶ Integrated development environment (IDE) for R language
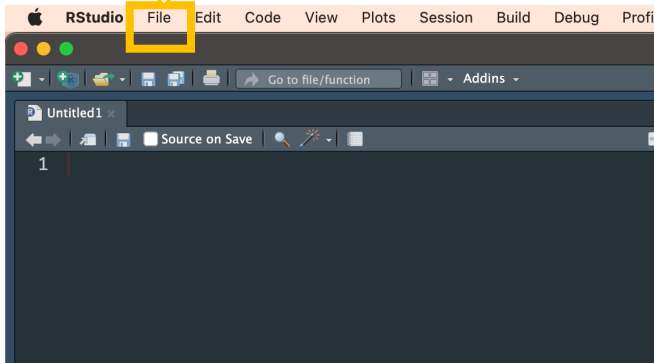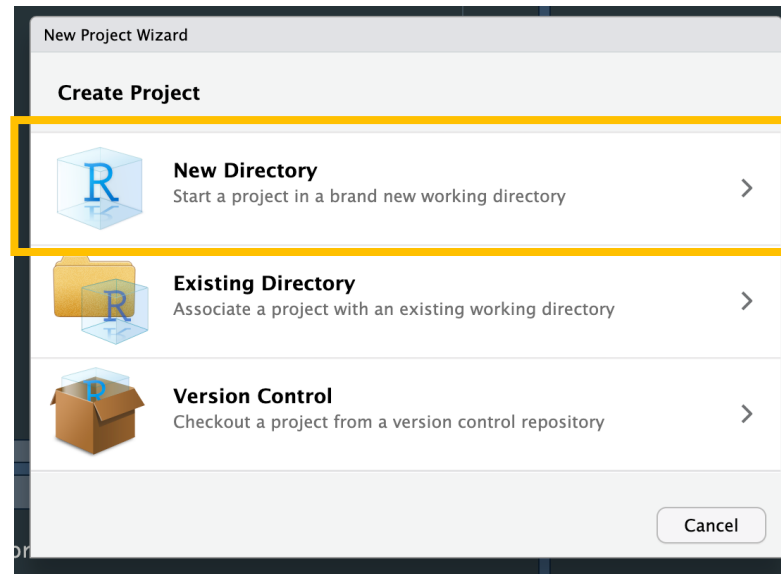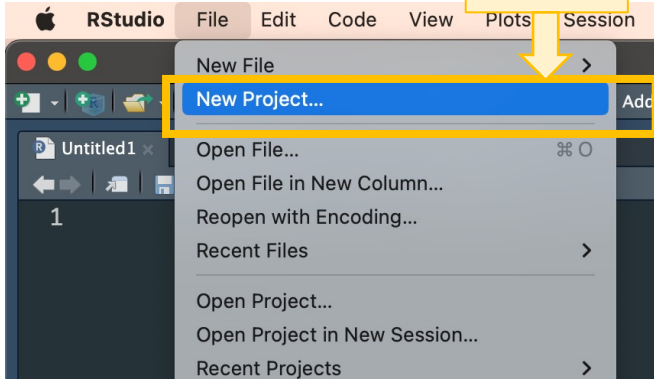
▶ You can download Rstudio Desktop from   https://posit.co/downloads/

Let's start!

1. Open **Rstudio**

Script of code and the files

Objectives and history

R console
(readouts and performace of code)

Folders and visual plotting

Path:

File -> New project...

Step 1

Step 2

Step 3

Step 4

New Project Wizard

Create Project

New Directory
Start a project in a brand new working directory

Existing Directory
Associate a project with an existing working directory

Version Control
Checkout a project from a version control repository

Cancel

New Project Wizard

Back — **Project Type**

New Project — Create a new proj

R Package

Shiny Application

Quarto Project

Quarto Website

Quarto Blog

Quarto Book

Cancel

New Project Wizard

Back — **Create New Project**

Directory name:

Project_122823

Create project as subdirectory of:

/Users/christinechang/Desktop/Project_1228   Browse...

☐ Create a git repository

☐ Use renv with this project

☐ Open in new session   Create Project   Cancel

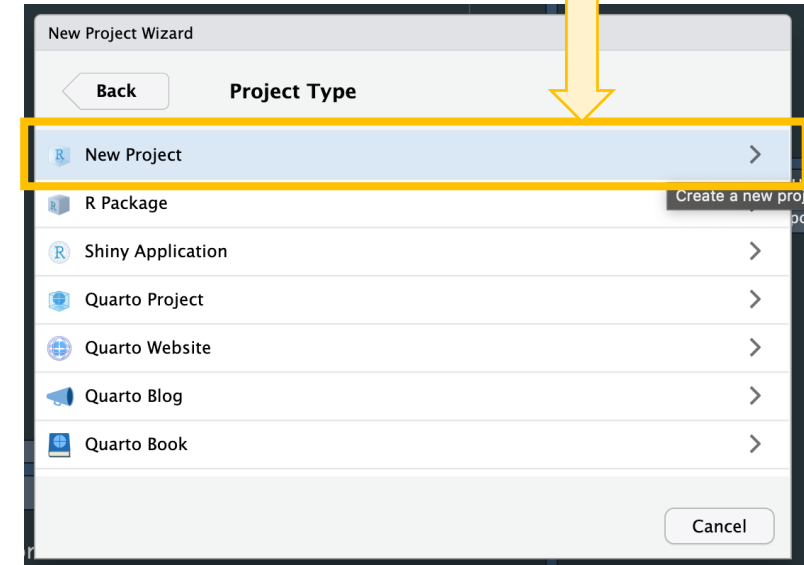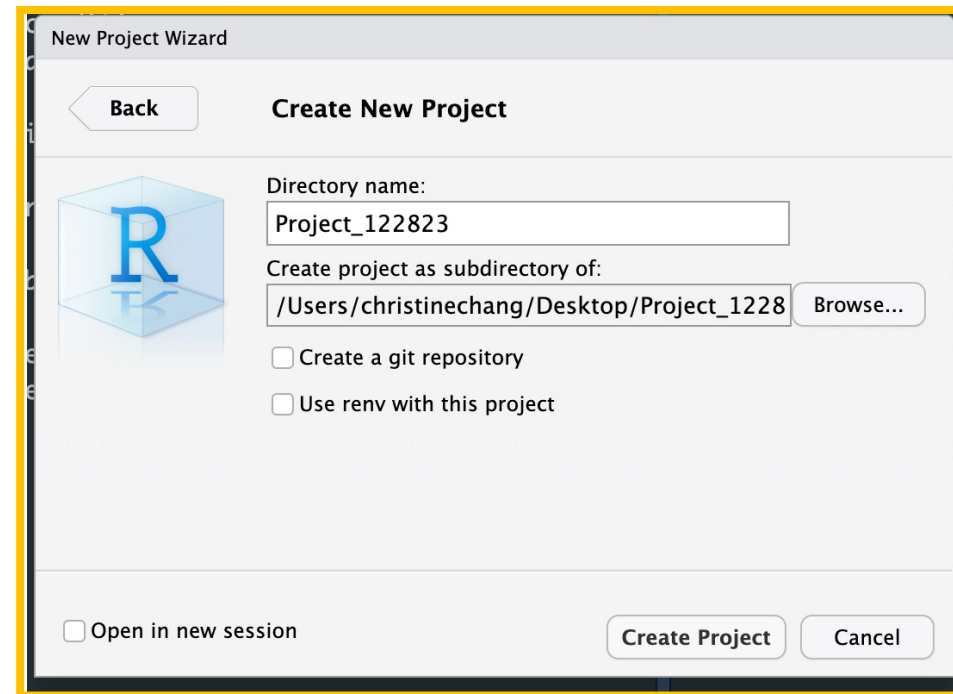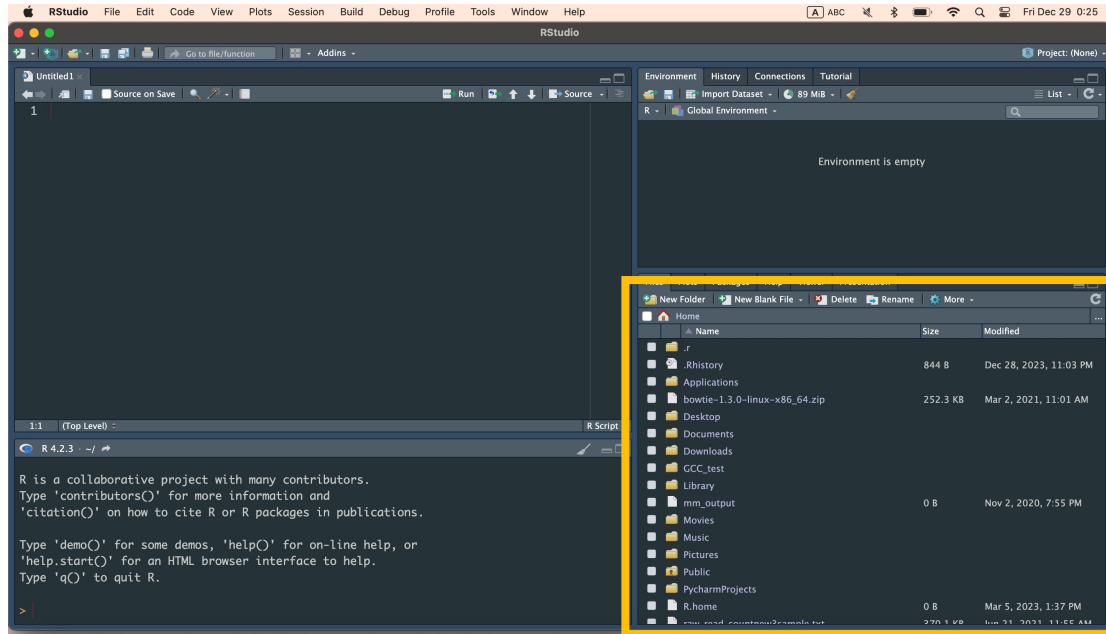**Step 5**
Build up the directory of R project

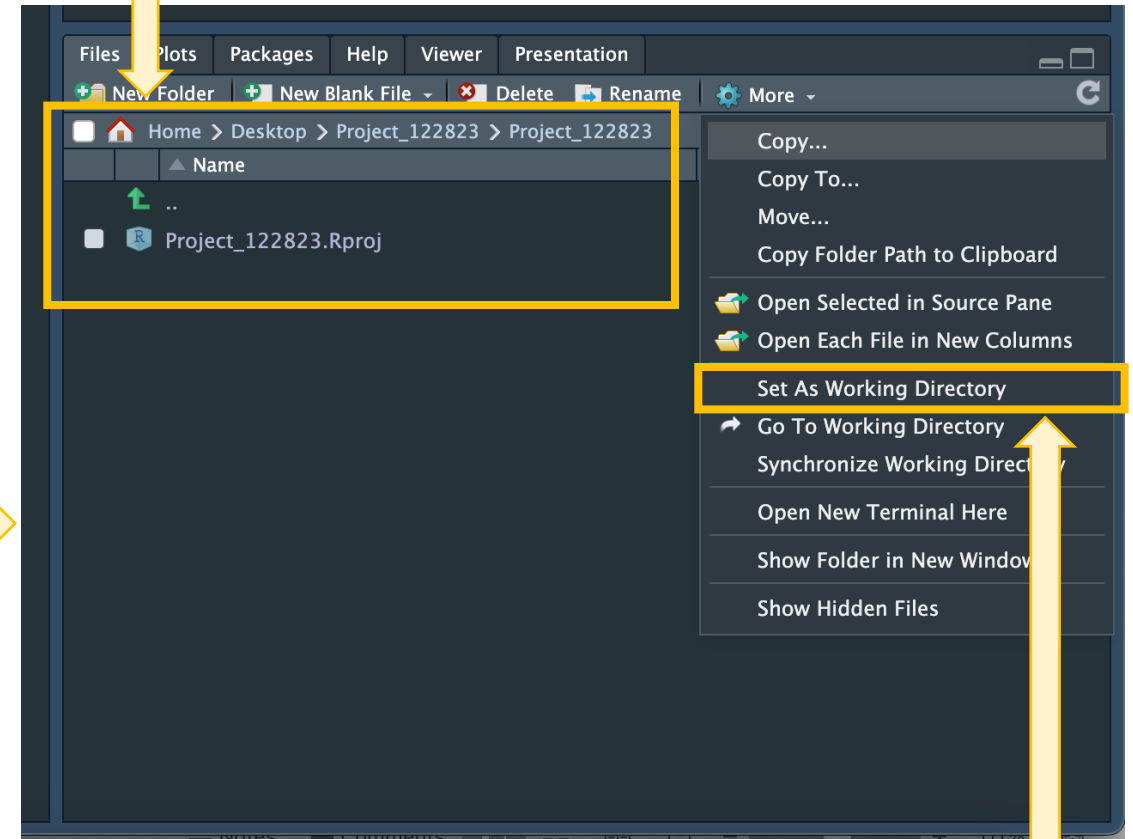(It would be better to create a folder for the R project)

Then...

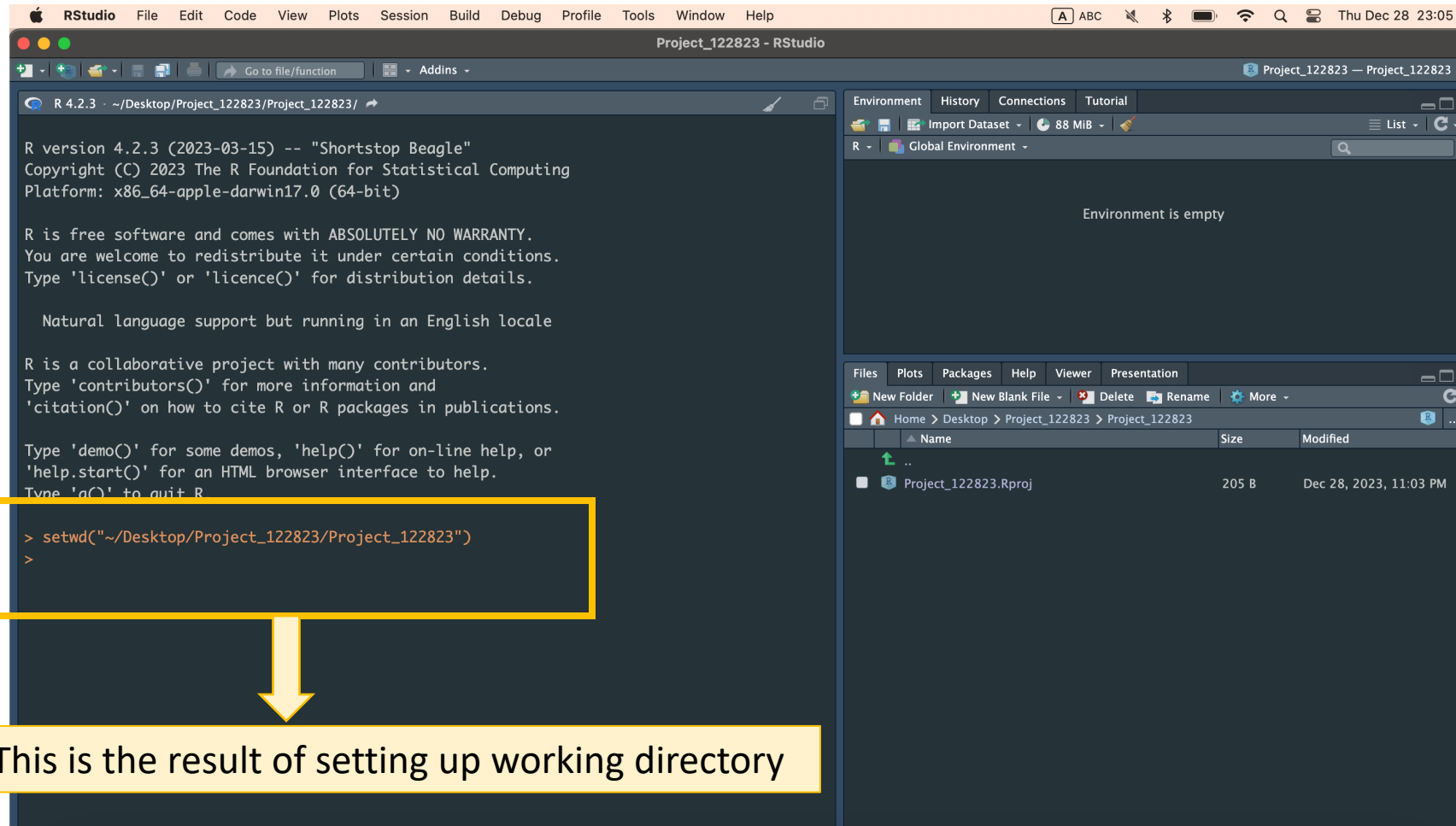## 1. Set up **working directory**

Step 1 Find the folder you saved the file of R project

Step 2

* The dataset for the analysis and the plot will be in this folder
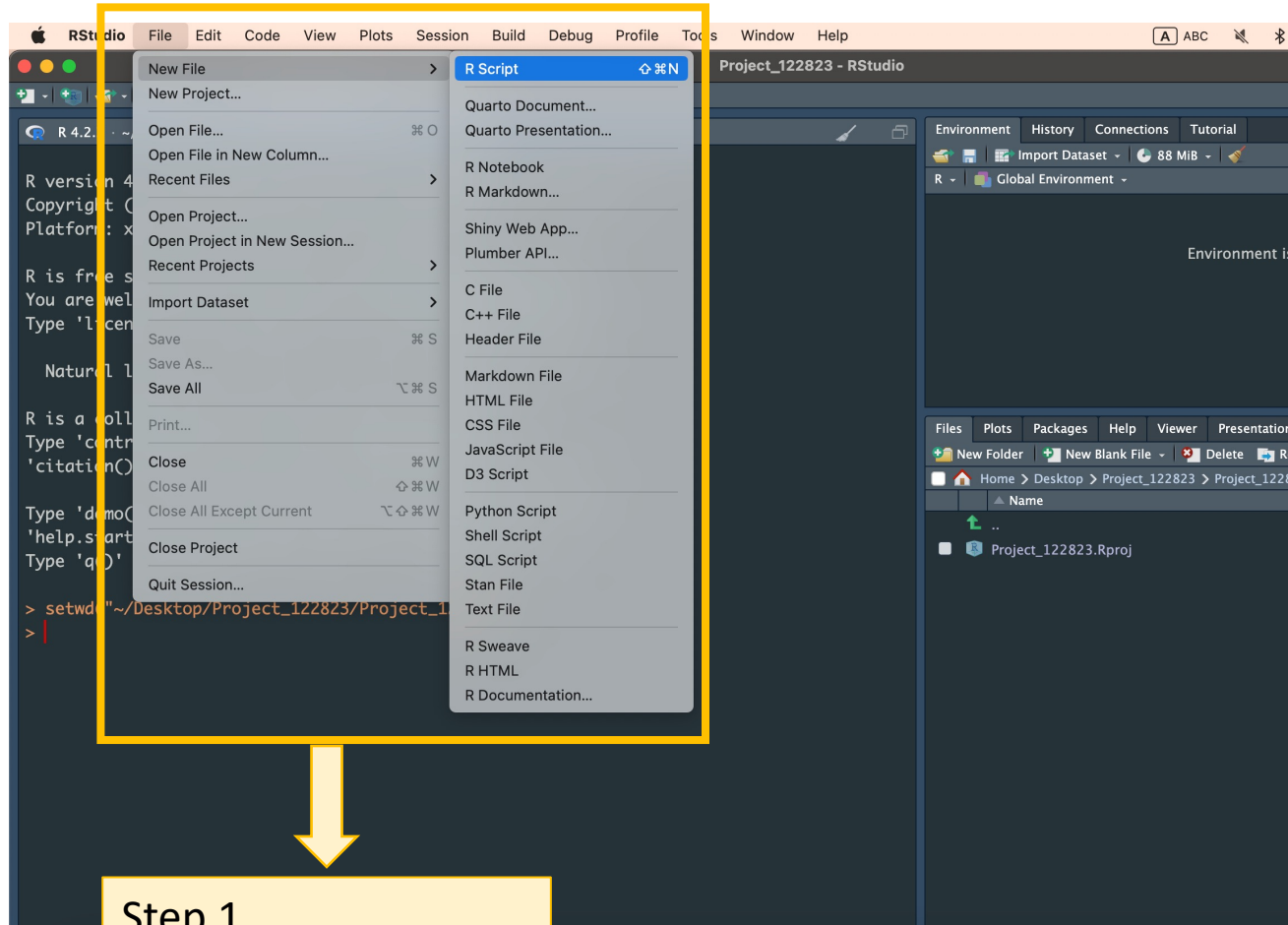
You will see this

This is the result of setting up working directory

Start to code!

Step 1
Make a new R script

Step 2
We will do the coding here!