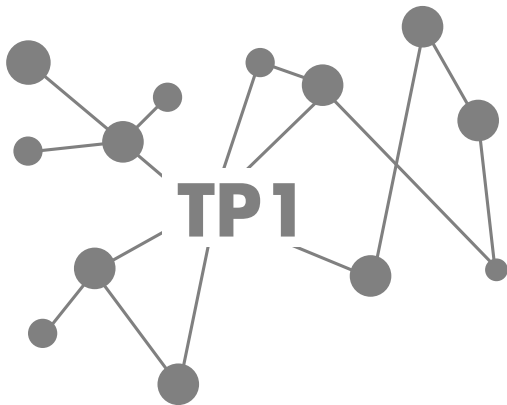
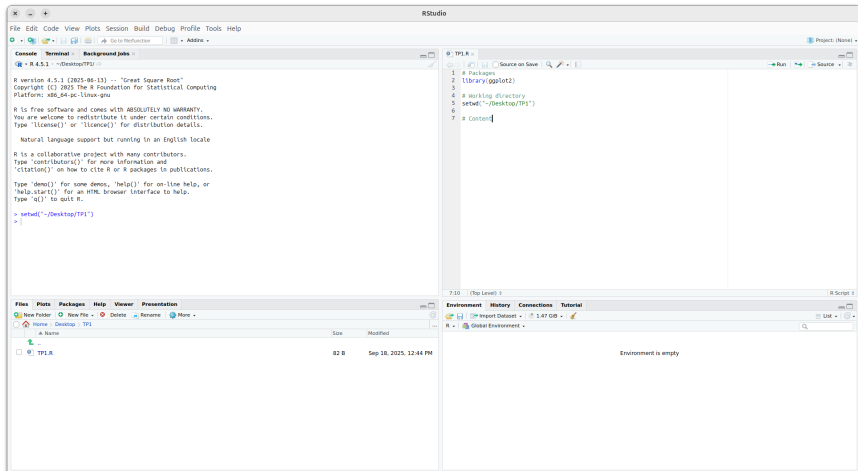




Premiers pas avec R

Configuration de RStudio



Configuration de RStudio



RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Console

```
R 4.3.1 - ~/Desktop/TP1  
R version 4.3.1 (2025-06-13) -- "Great Square Root"  
Copyright (C) 2025 The R Foundation for Statistical Computing  
Platform: x86_64-pc-linux-gnu  
  
R is free software and comes with ABSOLUTELY NO WARRANTY.  
You are welcome to redistribute it under certain conditions.  
Type 'license()' or 'licence()' for distribution details.  
  
Natural language support but running in an English locale  
  
R is a collaborative project with many contributors.  
Type 'contributors()' for more information and  
'citation()' on how to cite R or R packages in publications.  
  
Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.  
  
> setwd("~/Desktop/TP1")  
>
```

TP1.R

```
1 # Packages  
2 library(ggplot2)  
3  
4 # Working directory  
5 setwd("~/Desktop/TP1")  
6  
7 # Content
```

Files Plots Packages Help Viewer Presentation

New Folder New File Delete Rename More

Home Desktop TP1

Name	Size	Modified
TP1.R	82 B	Sep 18, 2025, 12:44 PM

Environment History Connections Tutorial

R 1.47 GB

Global Environment

Environment is empty

Configuration de RStudio



The screenshot displays the RStudio application window. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. Below the menu is a toolbar with icons for opening files, saving, running, and other functions. The main workspace is divided into four panes:

- Console:** Displays the R version (4.3.1) and copyright information. It also shows the command `setwd("~/Desktop/TP1")` being executed.
- Editor:** Shows a script file named `TP1.R` with the following content:

```
1 # Packages
2 library(ggplot2)
3
4 # Working directory
5 setwd("~/Desktop/TP1")
6
7 # Content
```
- Files:** A file explorer showing the directory structure, including `TP1.R`.
- Environment:** Shows the current environment, which is empty.

The word "Console" is overlaid on the left pane, and "Editeur" is overlaid on the right pane.

Configuration de RStudio



The screenshot displays the RStudio interface with three main panes:

- Console:** Shows the R version 4.5.1 (2025-06-13) -- "Great Square Root" and the R license information. The text "Console" is overlaid on this pane.
- Editeur:** Shows the R script editor with the following code:

```
# Packages
library(ggplot2)

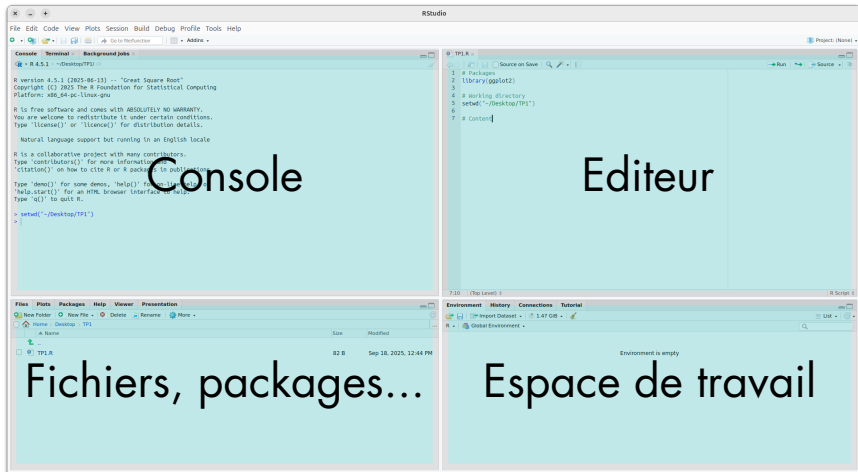
# Working directory
setwd("~/Desktop/TP1")

# Content
```

The text "Editeur" is overlaid on this pane.
- Fichiers, packages...:** Shows the Files pane with a table of files and folders. The text "Fichiers, packages..." is overlaid on this pane.

Name	Size	Modified
TP1.R	82 B	Sep 18, 2025, 12:44 PM

Configuration de RStudio



Rappel des concepts de base

- ▶ Les scripts (rédaction et compilation)
- ▶ Les librairies (installation et importation)
- ▶ L'espace de travail (définition, import et export)

Objets dans R

- ▶ Les différents types d'objets
- ▶ Comportements des objets
- ▶ Visualisation des objets (plot, import et export)

Brève initiation à R Shiny



- ▶ Les applications web interactives
- ▶ Structure et fonctionnement
- ▶ Développer votre propre application !

<https://forge.inrae.fr/sk8/sk8-apps/mathnum/tetis/>