



Installation

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R Introduction

Installation Instructions

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R is a **free** software for data analysis, text mining and visualization.

To install R on Window:

- 1 Download the binary file for R <https://cran.r-project.org/bin/windows/base/R-3.3.1-win.exe>
- 2 Open the downloaded **.exe** file and Install R

To install R on Mac:

- 1 Download the appropriate version of **.pkg** file <https://cran.r-project.org/bin/macosx/>
- 2 Open the downloaded **.pkg** file and Install R



RStudio is a free user interface for R.

- 1 Install the appropriate RStudio version <https://www.rstudio.com/products/rstudio/download/>
- 2 Run it to install R-studio



R Studio Structure

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RStudio screen

The **console** is where you can type commands and see output

```
R version 3.6.0 (2019-04-03) -- "Haskell Marvel"  
Copyright (C) 2019 The R Foundation for Statistical Computing  
Platform: x86_64-w64-mingw32/x64 (64-bit)  
  
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.  
  
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.  
  
> getwd()  
[1] "C:/MyData/RTiles"  
> 2:5  
[1] 2 3  
> A <- matrix(c(1,2,3,4,5,6,7,8), nrow=4, ncol=2)  
> A  
      [,1] [,2]  
[1,] 1  2  
[2,] 2  3  
[3,] 3  4  
[4,] 4  5  
> B <- matrix(c(1,2,3,4,5,6,7,8), nrow=4, ncol=2, byrow=TRUE)  
> B  
      [,1] [,2]  
[1,] 1  2  
[2,] 3  4  
[3,] 5  6  
[4,] 7  8  
>
```

The **workspace** tab shows all the active objects (see next slide). The **history** tab shows a list of commands used so far.

The **files** tab shows all the files and folders in your default workspace as if you were on a PC/Mac window. The **plots** tab will show all your graphs. The **packages** tab will list a series of packages or add-ons needed to run certain processes. For additional info see the **help** tab

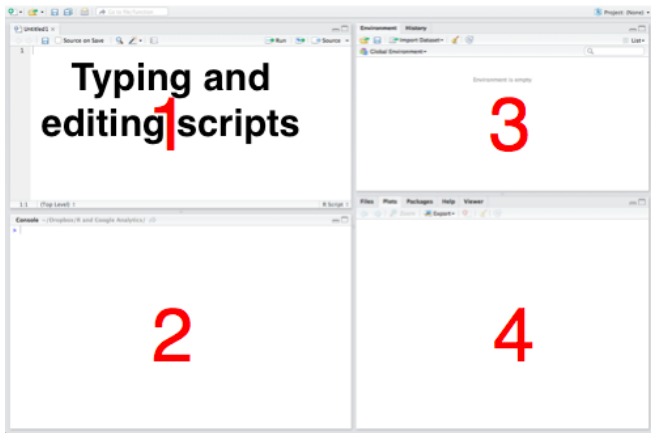


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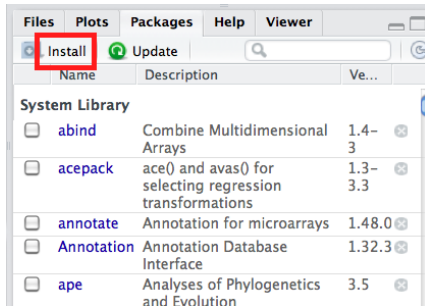
Installing Packages

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In your bottom left window - go to **Packages**





Selecting Packages - shiny

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Install Packages

Install from: [? Configuring Repositories](#)
Repository (CRAN)

Packages (separate multiple with space or comma):
shiny

Install to Library:
/Library/Frameworks/R.framework/Versions/3.3/Resources/librar

Install dependencies

Install Cancel