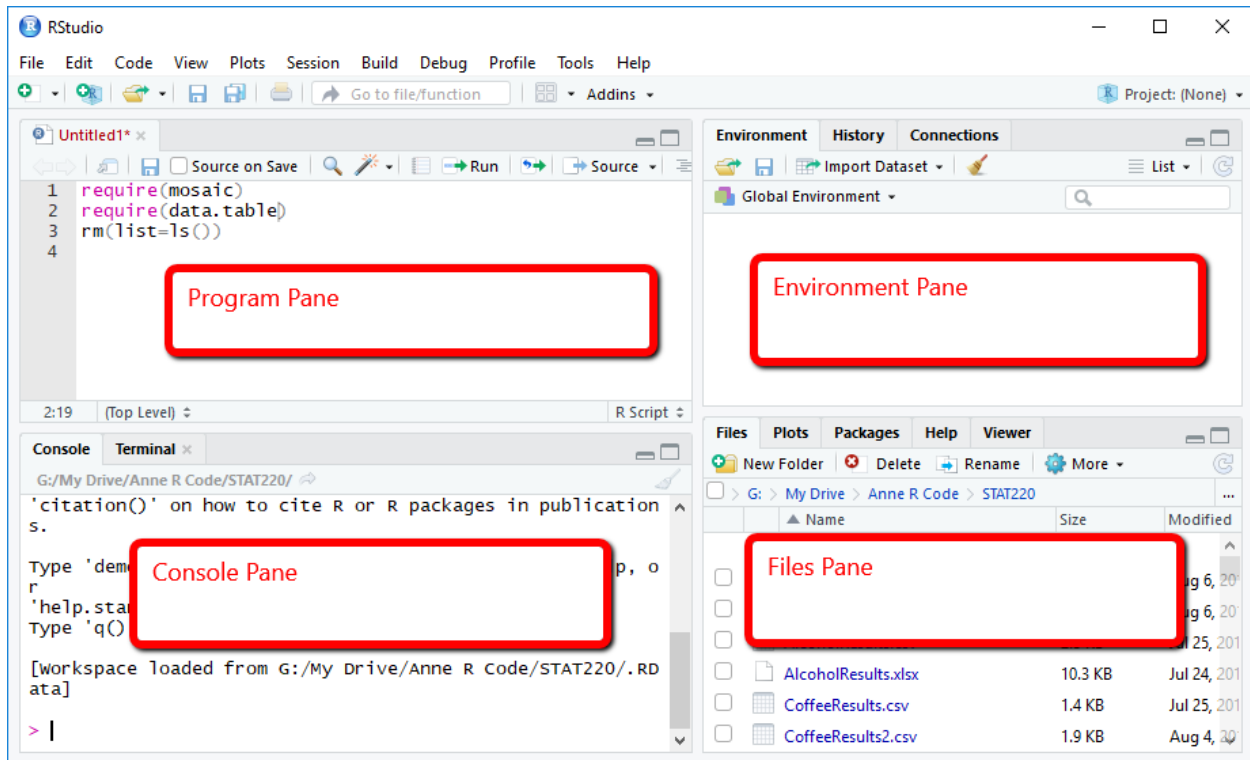


Big Data Live Demo documentation

1. Create an account on Rstudio cloud. (<https://rstudio.cloud/>)
2. You will create a new project

RStudio working environment.



3. Log on to <https://github.com/AlonFriedman/asbmb>
4. In this folder, you will find all the files and documentation I made for this presentation.

PRESENTATIONS NOTES

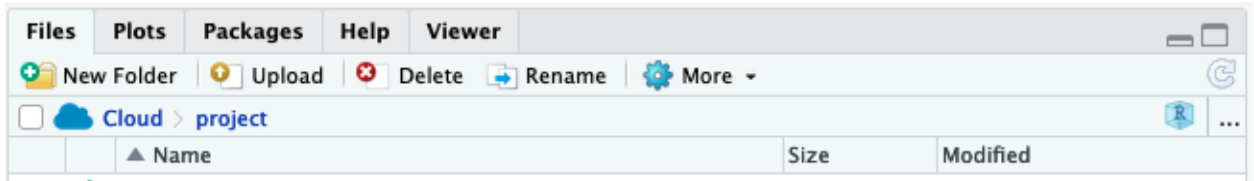
5. The first file for my presentation notes. The file is called Big_Data_in_R.pdf
https://github.com/AlonFriedman/asbmb/blob/main/Big_Data_in_R.pdf
6. The second file is this note called demo_notes.pdf
https://github.com/AlonFriedman/asbmb/blob/main/Big_Data_Demo.pdf

DATA AND CODE

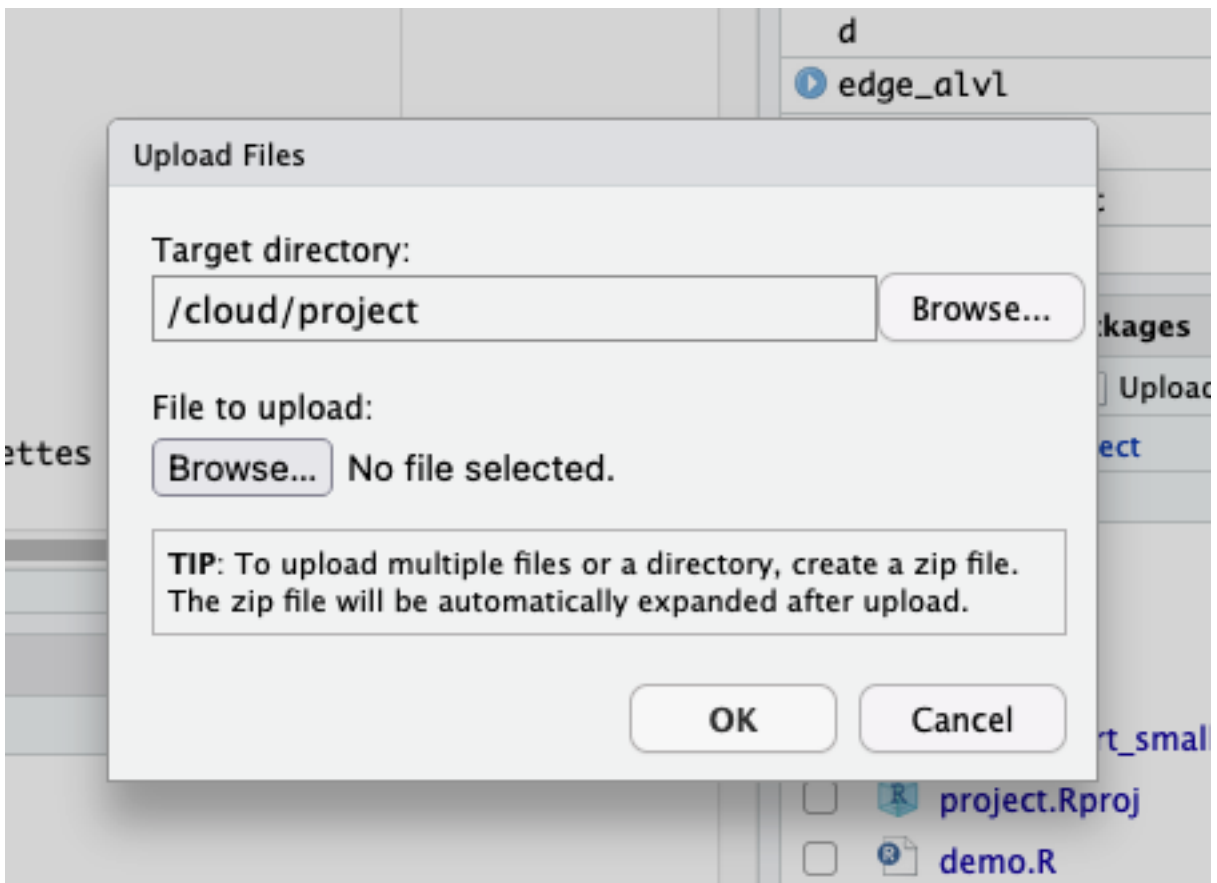
7. The following files are part of the demo demonstration. There are four files posted on my GitHub repository that you will need to download and then upload those files to your Rstudio over the Cloud.

7.A The first file is the R code file, where I will run R in my demonstration. The file is called **demo.R**. You will download the file from GitHub (See <https://github.com/AlonFriedman/asbmb/blob/main/demo.R>

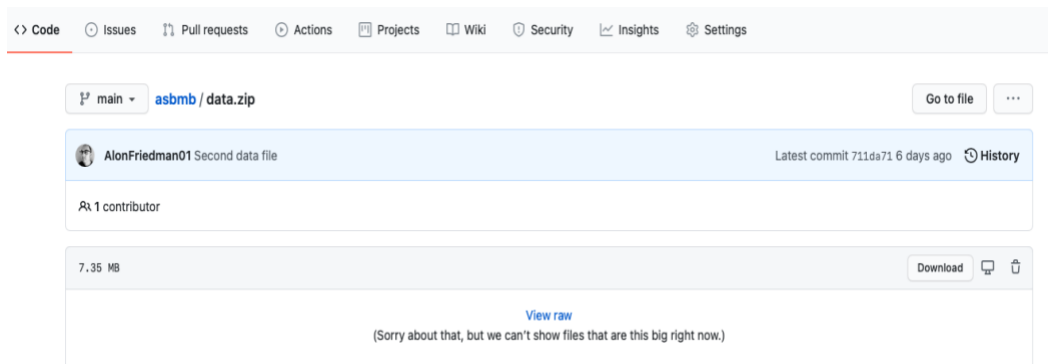
To upload this file to Rstudio, you will select the right window under Files.



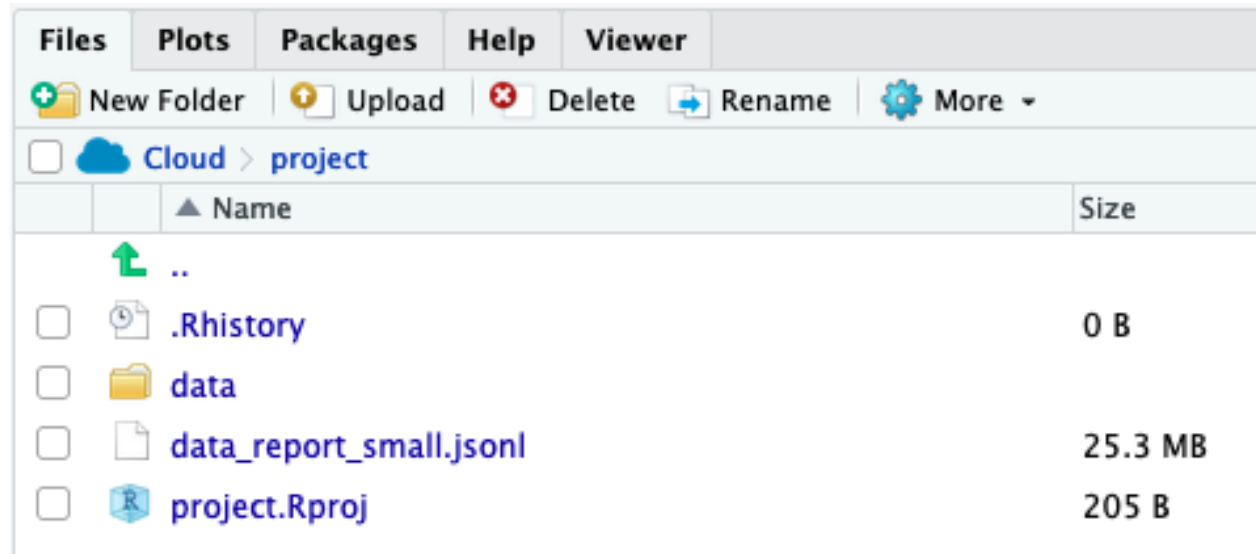
You will then select Upload and it will open a new window.



7.B. The next is the **data folder** where you will go through the same procedure.



Then upload it to your Rstudio cloud as we did before.



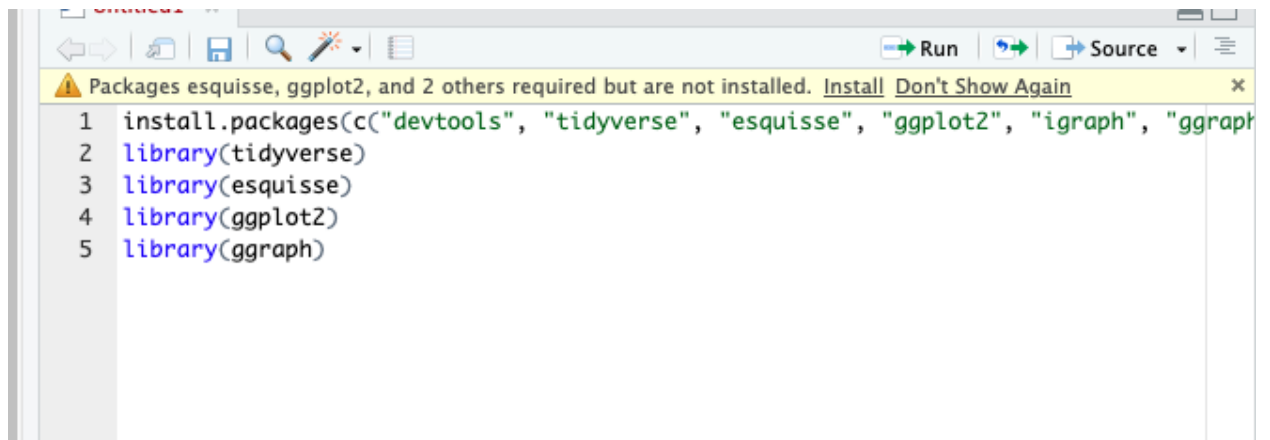
7.C The next file is **data_report_small.jsonl**. The original file was too big, so I had to cut back. You will conduct the same procedure.

We are ready to start our demonstration:

*. Click on **demo.R** code. In the first line, it will require to install few R packages.

```
>>> install.packages(c("devtools", "tidyverse", "esquisse", "ggplot2", "igraph", "ggraph",  
"ggalluvial"))
```

It will take same time to install those R packages.



The screenshot shows the RStudio interface. The top toolbar includes icons for navigation, saving, and running code. A yellow warning banner at the top states: "Packages esquisse, ggplot2, and 2 others required but are not installed. [Install](#) [Don't Show Again](#)". The script editor on the left contains the following R code:

```
1 install.packages(c("devtools", "tidyverse", "esquisse", "ggplot2", "igraph", "ggraph", "ggalluvial"))
2 library(tidyverse)
3 library(esquisse)
4 library(ggplot2)
5 library(ggraph)
```

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.

```
> install.packages(c("devtools", "tidyverse", "esquisse", "ggplot2", "igraph", "ggraph", "ggalluvial"))
Installing packages into '/home/rstudio-user/R/x86_64-pc-linux-gnu-library/4.0'
(as 'lib' is unspecified)
```