

## Run R/RStudio from the Cloud

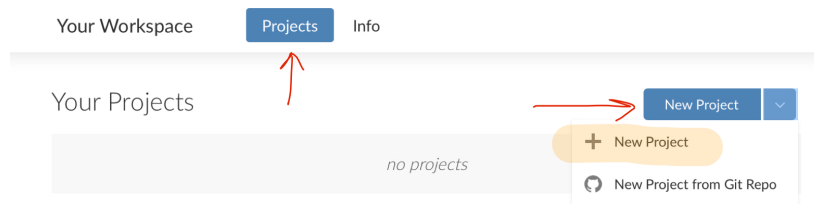
R and RStudio are available for running in the cloud, that is, remotely, on some server somewhere, provided for free for limited use by Posit, Inc (formerly RStudio, Inc). Connect with any device to run R/RStudio with a browser over the Internet, including a tablet or a Chromebook.

<https://rstudio.cloud/>

Create a free account at the prompt, and you are ready to go.

### *Create a new project*

Organize your analyses by project, maybe one project for all your homework assignments. To get started, select the *New Project* drop-down menu, then *+ New Project*.



Select the project name *Unnamed* and type in a new name, HW or something.

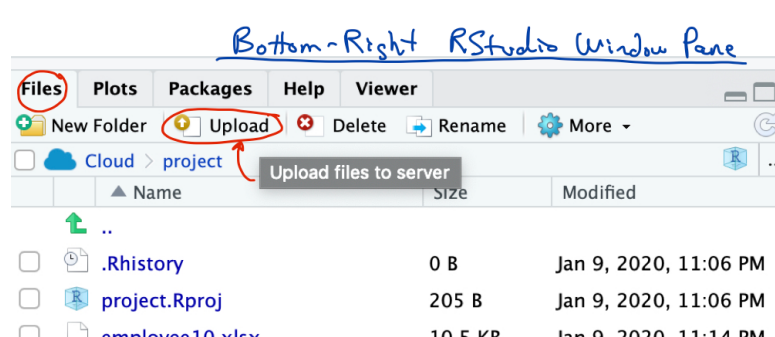
The RStudio server takes a minute or two to create the project, so there is a pause for a bit. Now you have the same RStudio as if running on your own computer. As you would on your own computer, one time only, install *lessR* at the command prompt.

```
install.packages("lessR")
```

This installation takes a few minutes. Just let the process complete.

### *Upload a data file to your cloud account*

The home directory is in your cloud account, with no direct access to files on your computer. To access a data file on your own computer, upload the data file to your cloud account. To upload, go the right-bottom window pane of your RStudio session and select the *Files* tab at the top-left of the window pane. Then select the *Upload* tab.



The *Files* tab reveals the files in your cloud folder. You will see your data file appear there after uploading. Now read your data as usual, the same as reading a file from your own computer, such as browsing for the file.

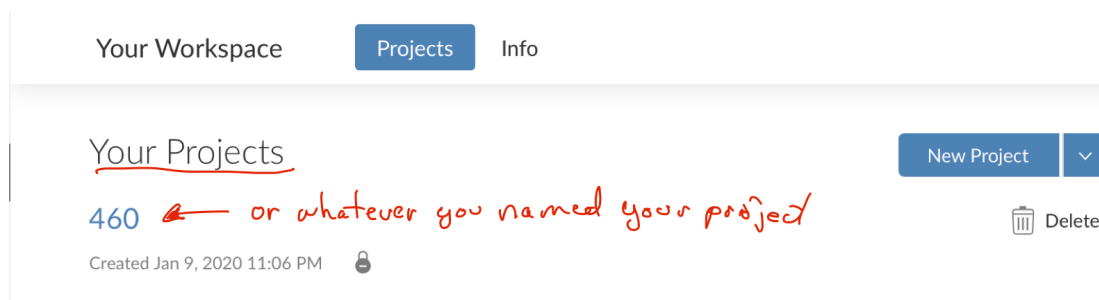
```
d <- Read("")
```

For files on the web, read as usual, with the URL (address) of the web file in-between the quotes in the above statement to read a data file.

### *Logout and login*

When finished, at the top-right corner of the web page, click your name and log out.

The next time you log in, either select the project you were working on, or create a new one. Maybe have a different project for each homework assignment, which will save your work from each one and perhaps make it easier when you do your class project and repeat some of these analyses. The project will remain in the state that you left it from your last analysis.



There is a time limit to access your account for free. The time is based not on computer time used but rather login time. So best to plan what you intend to do before logging in, do it, and then log out.