

# Pushing Code from R to GitHub



Introduction to R

- \* data/
  - \* raw\_data/
  - \* tidy\_data/
- \* code/
  - \* raw\_code/
  - \* final\_code/
- \* figures/
  - \* exploratory\_figures/
  - \* explanatory\_figures/
- \* products/
  - \* writing/



File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

R 3.4.4

Console Terminal x

/cloud/project/

R version 3.4.4 (2018-03-15) -- "Someone to Lean On"  
Copyright (C) 2018 The R Foundation for Statistical Computing  
Platform: x86\_64-pc-linux-gnu (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.

&gt;

Environment History Connections Git

Import Dataset

Global Environment




Environment is empty

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

/ &gt; cloud &gt; project

	Name	Size	Modified
	..		
<input type="checkbox"/>	.gitignore	40 B	Jun 4, 2018, 2:56 PM
<input type="checkbox"/>	.Rhistory	0 B	Jun 4, 2018, 2:56 PM
<input type="checkbox"/>	project.Rproj	205 B	Jun 4, 2018, 3:18 PM
<input type="checkbox"/>	README.md	75 B	Jun 4, 2018, 2:56 PM
<input type="checkbox"/>	data		
<input type="checkbox"/>	figures		
<input type="checkbox"/>	code		
<input type="checkbox"/>	products		

 <a href="#">.gitignore</a>	sdkfjsldf	22 hours ago
 <a href="#">README.md</a>	new changes	22 seconds ago
 <a href="#">project.Rproj</a>	sdkfjsldf	22 hours ago

## README.md

# This is the README file for my\_first\_project

---

The folders in this project are:

- *data* - is the folder where you will put all the data you have collected or been given to analyze.
- *figures* - is where you will put plots, data pictures, and other images you have created to show data to other people.
- *code* - is where you will create code files for collecting, cleaning up, or analyzing data.
- *products* - this is the place where you will place any reports, presentations, or products you create for sharing with other people.



Console

Terminal x



Terminal 1 ▾

rstudio-user@4db7ff233115: /cloud/project



```
rstudio-user@4db7ff233115:/cloud/project$ git status
```

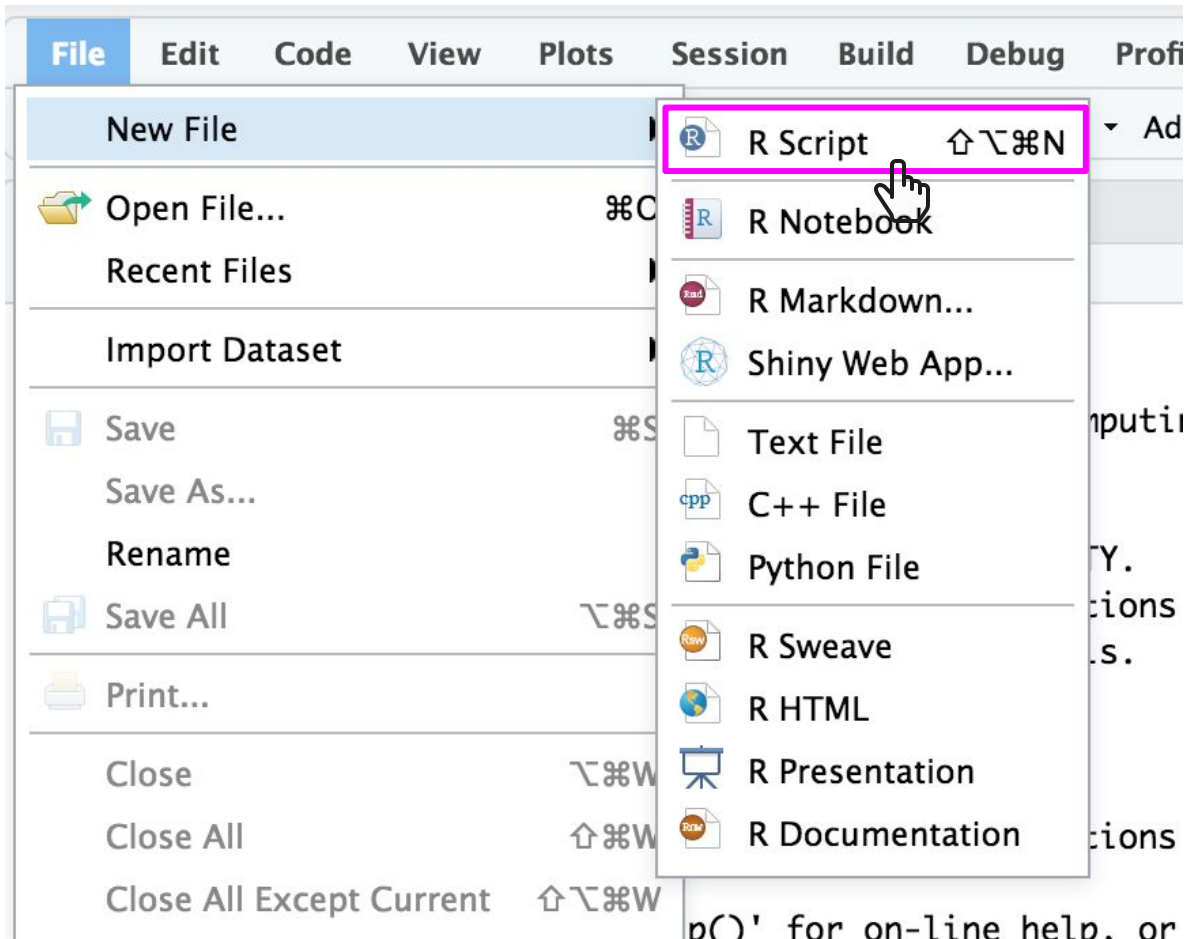
```
On branch master
```

```
Your branch is up-to-date with 'origin/master'.
```

```
nothing to commit, working directory clean
```

```
rstudio-user@4db7ff233115:/cloud/project$
```



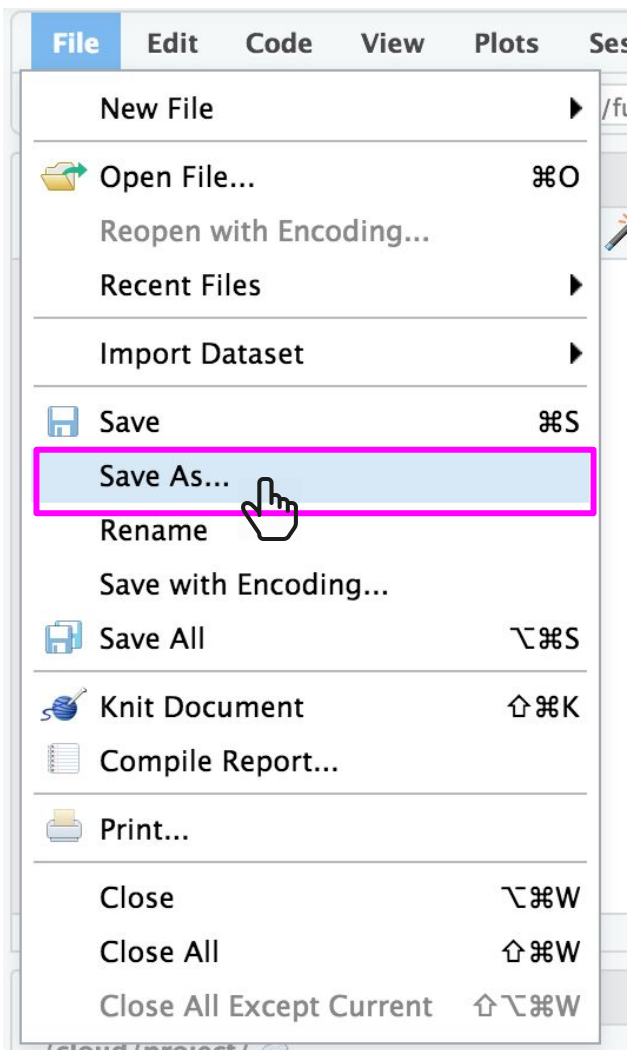


'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.



```

1 # Let's get started
2 summary(mtcars$mpg)
  
```





Save File - Untitled1

File name: mtcars\_code.r

> / > cloud > project > code > raw\_code



tasks.txt

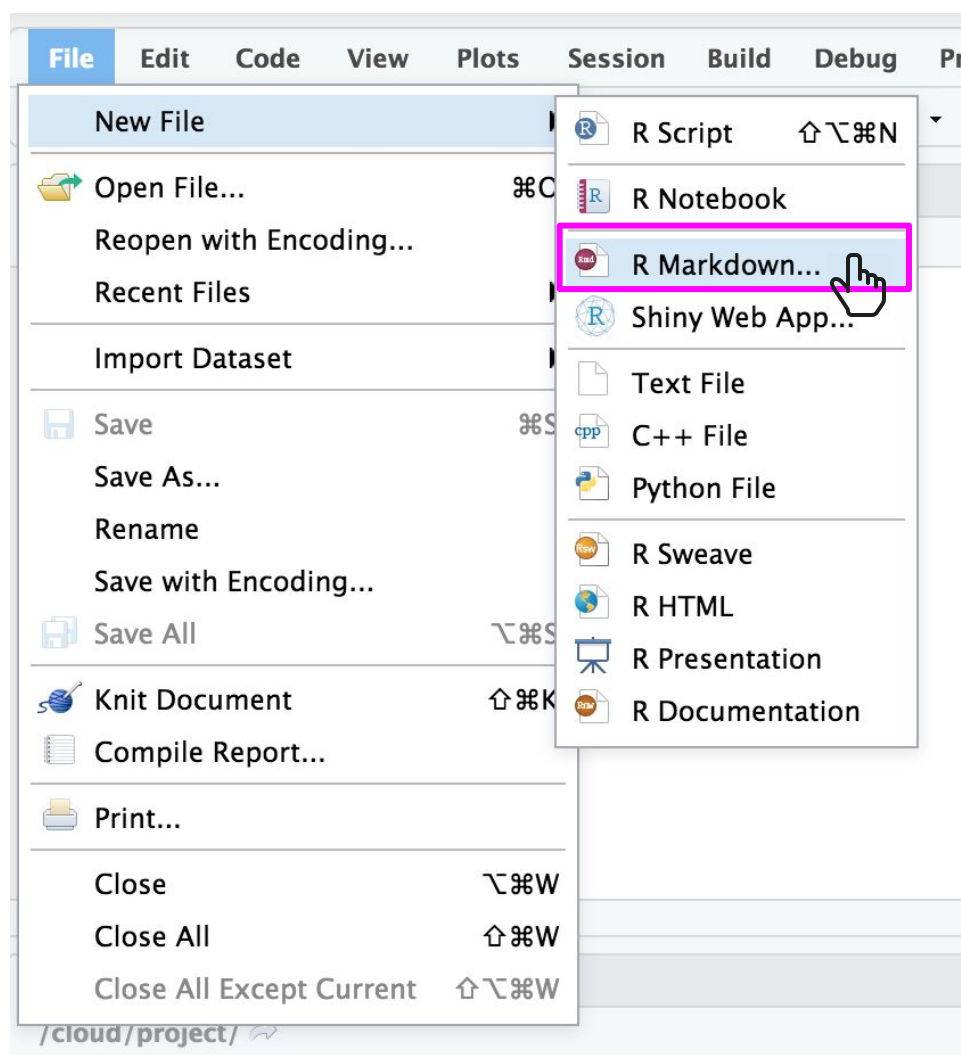
76 B Jun 4, 2018, 2:56 PM

New Folder


Save


Cancel







New R Markdown

 Document

 Presentation

 Shiny

 From Template

**Title:**

**Author:**

**Default Output Format:**

☒ **HTML**  
Recommended format for authoring (you can switch to PDF or Word output anytime).

☐ **PDF**  
PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux).

☐ **Word**  
Previewing Word documents requires an installation of MS Word (or Libre/Open Office on Linux).



```
1 ---
2 title: "mtcars"
3 author: "Jane Doe"
4 date: "6/4/2018"
5 output: html_document
6 ---
7
8 ```{r setup, include=FALSE}
9 knitr::opts_chunk$set(echo = TRUE)
10 ```
11
12 ## mtcars data
13
14 Let's take a look at the data
15
16 ```{r cars}
17 summary(mtcars)
18 ```
19
20
21
```

20:1 # mtcars data R Markdown

mtcars\_code.r x mtcars.Rmd x

Knit

```
1 ---
2 title: "mtcars"
3 author: "Jane Doe"
4 date: "6/4/2018"
5 output: html_document
6 ---
7
8 ```{r setup, include=FALSE}
9 knitr::opts_chunk$set(echo = TRUE)
10 ```
11
12 ## mtcars data
13
14 Let's take a look at the data
15
16 ```{r cars}
17 summary(mtcars)
18 ```
19
20
21
```

20:1 # mtcars data R Markdown

# mtcars

Jane Doe

6/4/2018

## mtcars data

Let's take a look at the data

Knit the current document (⇧⌘K)

```
summary(mtcars)
```

```
##           mpg           cyl           disp           hp
##  Min.   :10.40   Min.   :4.000   Min.   : 71.1   Min.   : 52.0
##  1st Qu.:15.43   1st Qu.:4.000   1st Qu.:120.8   1st Qu.: 96.5
##  Median :19.20   Median :6.000   Median :196.3   Median :123.0
##  Mean   :20.09   Mean   :6.188   Mean   :230.7   Mean   :146.7
##  3rd Qu.:22.80   3rd Qu.:8.000   3rd Qu.:326.0   3rd Qu.:180.0
##  Max.   :33.90   Max.   :8.000   Max.   :472.0   Max.   :335.0
##           drat           wt           qsec           vs
##  Min.   :2.760   Min.   :1.513   Min.   :14.50   Min.   :0.0000
##  1st Qu.:3.080   1st Qu.:2.581   1st Qu.:16.89   1st Qu.:0.0000
##  Median :3.695   Median :3.325   Median :17.71   Median :0.0000
##  Mean   :3.597   Mean   :3.217   Mean   :17.85   Mean   :0.4375
##  3rd Qu.:3.920   3rd Qu.:3.610   3rd Qu.:18.90   3rd Qu.:1.0000
##  Max.   :4.930   Max.   :5.424   Max.   :22.90   Max.   :1.0000
##           am           gear           carb
##  Min.   :0.0000   Min.   :3.000   Min.   :1.000
##  1st Qu.:0.0000   1st Qu.:3.000   1st Qu.:2.000
##  Median :0.0000   Median :4.000   Median :2.000
##  Mean   :0.4062   Mean   :3.688   Mean   :2.812
##  3rd Qu.:1.0000   3rd Qu.:4.000   3rd Qu.:4.000
##  Max.   :1.0000   Max.   :5.000   Max.   :8.000
```


Files


Plots


Packages


Help


Viewer

 New Folder


 Upload





 Delete

 Rename

 More ▾

☐ > / > cloud > project > code > raw\_code

 ...

	▲ Name	Size	Modified
	..		
<input type="checkbox"/>	 mtcars.html	720.1 KB	Jun 4, 2018, 4:11 PM
<input type="checkbox"/>	 mtcars.Rmd	232 B	Jun 4, 2018, 4:10 PM
<input type="checkbox"/>	 mtcars_code.r	40 B	Jun 4, 2018, 4:06 PM

```
rstudio-user@71fc14d693ac:/cloud/project$ git status
```

On branch master

Your branch is up-to-date with 'origin/master'.

Untracked files:

(use "git add <file>..." to include in what will be committed)

code/raw\_code/mtcars.Rmd

code/raw\_code/mtcars.html

code/raw\_code/mtcars\_code.r

nothing added to commit but untracked files present (use "git add" to track)





```
rstudio-user@71fc14d693ac:/cloud/project$ git add .
```

```
rstudio-user@71fc14d693ac:/cloud/project$ git commit -m "add mtcars scripts"
```

```
[master 882bbb7] add mtcars scripts
```

```
3 files changed, 206 insertions(+)
```

```
create mode 100644 code/raw_code/mtcars.Rmd
```

```
create mode 100644 code/raw_code/mtcars.html
```

```
create mode 100644 code/raw_code/mtcars_code.r
```

```
rstudio-user@71fc14d693ac:/cloud/project$ git push
```



```
rstudio-user@db5b44e9b1ab:/cloud/project$ git commit -m "add mtcars scripts"
```

\*\*\* Please tell me who you are.

Run

```
git config --global user.email "you@example.com"  
git config --global user.name "Your Name"
```

git tells you what  
information it needs and  
how to format it

Tell git what email  
address the GitHub  
account uses

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'rstudio-user@db5b44e9b1ab.(none)')

```
rstudio-user@db5b44e9b1ab:/cloud/project$ git config --global user.email jane.everyday.doe@gmail.com
```

```
rstudio-user@db5b44e9b1ab:/cloud/project$ git config --global user.name janeeverydaydoe
```

Tell git what GitHub username is on the account



```
rstudio-user@db5b44e9b1ab:/cloud/project$ git commit -m "add mtcars scripts"
```

```
[master 26b8fcd] add mtcars scripts
```

```
3 files changed, 204 insertions(+)
```

```
create mode 100644 code/raw_code/mtcars.Rmd
```

```
create mode 100644 code/raw_code/mtcars.html
```

```
create mode 100644 code/raw_code/mtcars_code.r
```



```
Username for 'https://github.com': JaneEverydayDoe
error: cannot run rpostback-askpass: No such file or directory
Password for 'https://JaneEverydayDoe@github.com':
Counting objects: 7, done.
Delta compression using up to 16 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 234.88 KiB | 0 bytes/s, done.
Total 7 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/JaneEverydayDoe/my_first_project
  611b00d..26b8fcd master -> master
```

Files have been successfully pushed to GitHub!



Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

My first project files

8 commits

1 branch

0 releases

2 contributors

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



JaneEverydayDoe add mtcars scripts

Latest commit 26b8fcd 2 minutes ago

code	add mtcars scripts	2 minutes ago
data/raw_data	new changes	19 days ago
figures	new changes	19 days ago
products	new changes	19 days ago
.gitignore	sdkfjsldf	25 days ago
README.md	new changes	19 days ago
project.Rproj	sdkfjsldf	25 days ago