

R Websites



Introduction to R




New repository

Access github.com and create a new repository



Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH** `https://github.com/JaneEverydayDoe/janeeverydaydoe.github.com.git`

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

repo must have appropriate name

...or create a new repository on the command line

```
echo "# janeeverydaydoe.github.com" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/JaneEverydayDoe/janeeverydaydoe.github.com.git
git push -u origin master
```

Create the username.github.com repository
And clone it to your computer



Console

Terminal x



Terminal 1 ▾

rstudio-user@e043a91ee0de: /cloud/project



```
rstudio-user@e043a91ee0de:/cloud/project$ git clone https://github.com/JaneEverydayDoe  
/janeeverydaydoe.github.com.git  
Cloning into 'janeeverydaydoe.github.com'...  
remote: Counting objects: 117, done.  
remote: Compressing objects: 100% (87/87), done.  
remote: Total 117 (delta 26), reused 117 (delta 26), pack-reused 0  
Receiving objects: 100% (117/117), 1.60 MiB | 0 bytes/s, done.  
Resolving deltas: 100% (26/26), done.  
Checking connectivity... done.
```



```
rstudio-user@e043a91ee0de:/cloud/project$ git clone https://github.com/JaneEverydayDoe
/janeeverydaydoe.github.com.git
Cloning into 'janeeverydaydoe.github.com'...
remote: Counting objects: 117, done.
remote: Compressing objects: 100% (87/87), done.
remote: Total 117 (delta 26), reused 117 (delta 26), pack-reused 0
Receiving objects: 100% (117/117), 1.60 MiB | 0 bytes/s, done.
Resolving deltas: 100% (26/26), done.
Checking connectivity... done.
rstudio-user@e043a91ee0de:/cloud/project$ cd janeeverydaydoe.github.com/
```



```
Console Terminal x
Terminal 1 ▾ rstudio-user@e043a91ee0de: /cloud/project/janeeverydaydoe.github.com
rstudio-user@e043a91ee0de:/cloud/project$ git clone https://github.com/JaneEverydayDoe/janeeverydaydoe.github.com.git
Cloning into 'janeeverydaydoe.github.com'...
remote: Counting objects: 117, done.
remote: Compressing objects: 100% (87/87), done.
remote: Total 117 (delta 26), reused 117 (delta 26), pack-reused 0
Receiving objects: 100% (117/117), 1.60 MiB | 0 bytes/s, done.
Resolving deltas: 100% (26/26), done.
Checking connectivity... done.
rstudio-user@e043a91ee0de:/cloud/project$ cd janeeverydaydoe.github.com/
rstudio-user@e043a91ee0de:/cloud/project/janeeverydaydoe.github.com$ touch .nojekyll
rstudio-user@e043a91ee0de:/cloud/project/janeeverydaydoe.github.com$ ls -a
.  ..  .git  .nojekyll
```

Inside your repo, create the .nojekyll file



```
rstudio-user@e043a91ee0de:/cloud/project/janeeverydaydoe.github.com$ git add .nojekyll
rstudio-user@e043a91ee0de:/cloud/project/janeeverydaydoe.github.com$ git commit -m "This is not a Jekyll website"
rstudio-user@e043a91ee0de:/cloud/project/janeeverydaydoe.github.com$ git push
```

Version control the .nojekyll file and upload it to GitHub



<> Code

! Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

📊 Insights

No description, website, or topics provided.

🕒 1 commit

🌿 1 branch

📦 0 releases

👤 1 contributor

Tree: fafd42cbd8 ▼

New pull request

Create new file

Upload files

Find file

Clone or download ▼



Icolladotor This is not a Jekyll website

Latest commit fafd42c 12 minutes ago

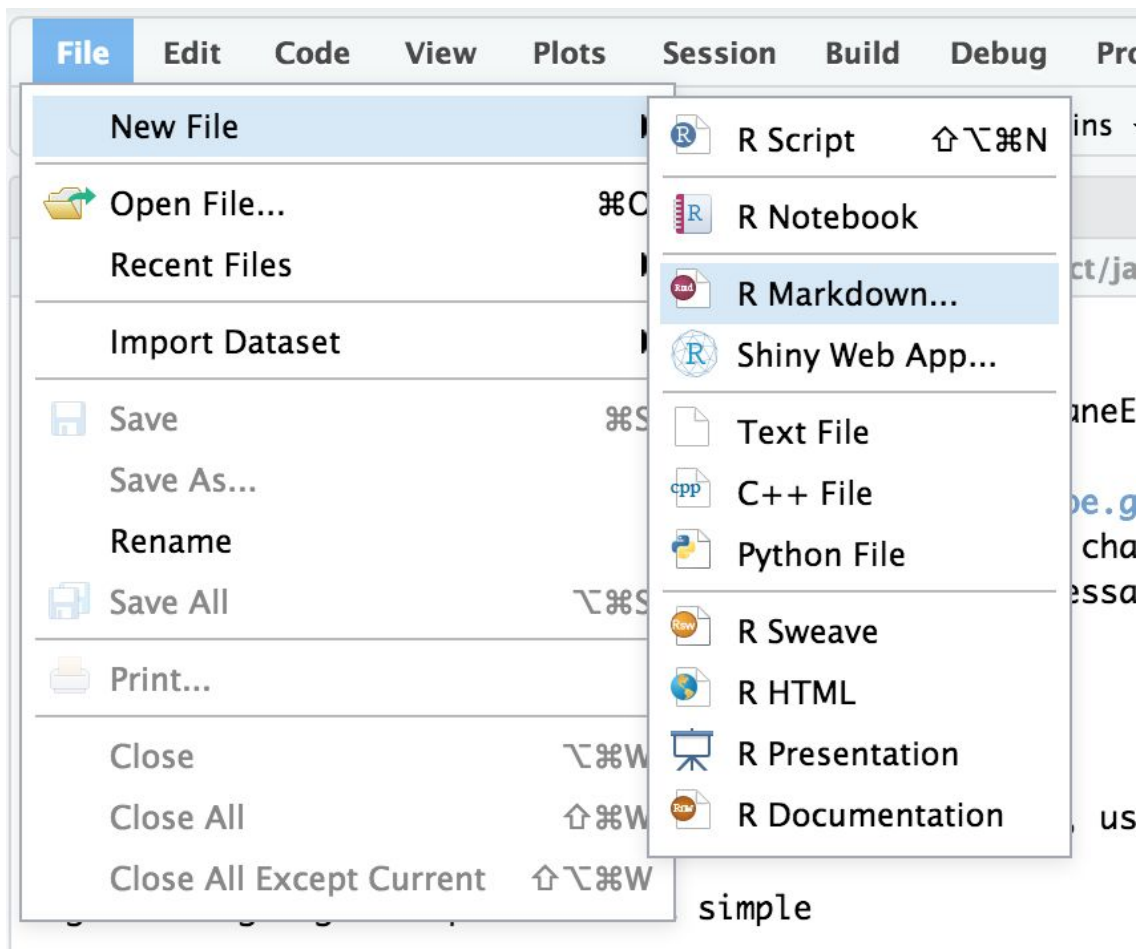
📄 .nojekyll

This is not a Jekyll website

12 minutes ago

This is how your repo should at this point in the process





Create a new R Markdown file in RStudio Cloud



New R Markdown

☒ Document

☐ Presentation

☐ Shiny

☐ From Template

Title:

Author:

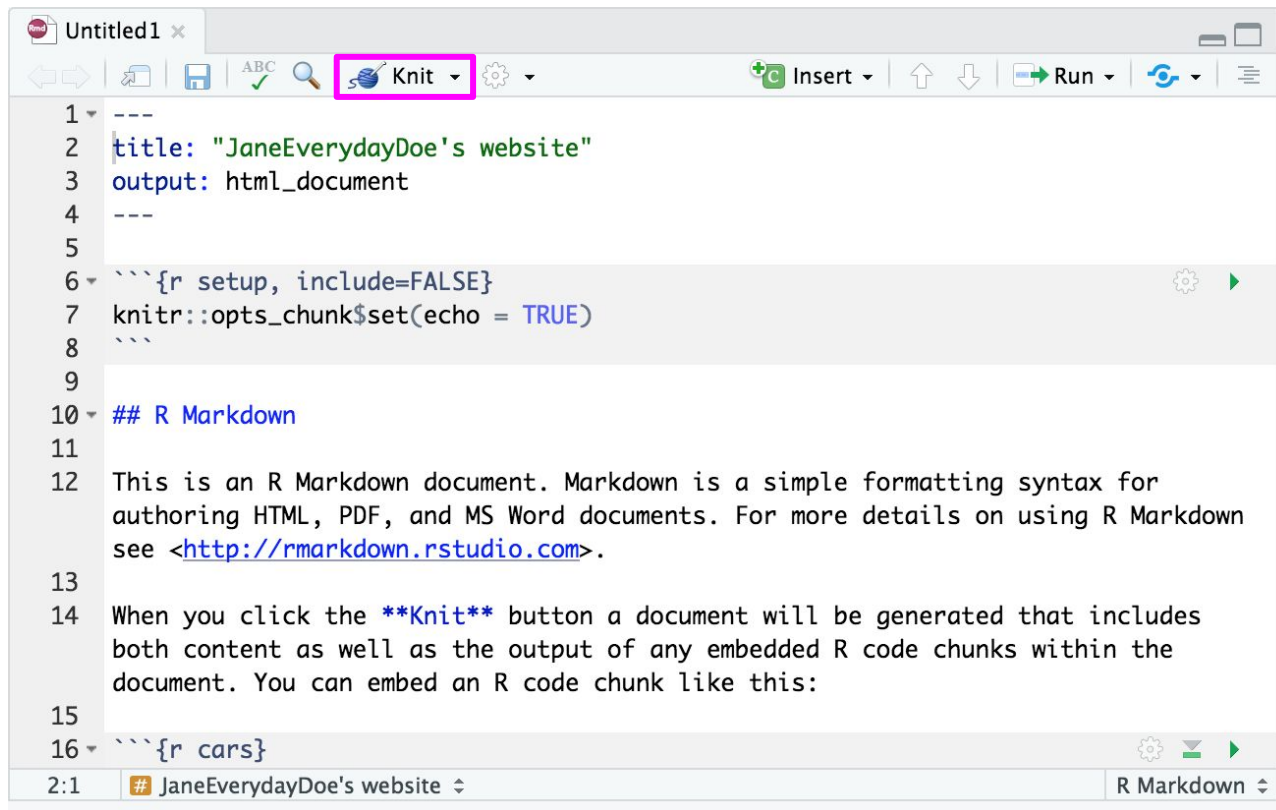
Default Output Format:

☒ **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).

Choose the HTML output format and set the title



The image shows a screenshot of a text editor window titled "Untitled1". The editor contains an R Markdown document. The top toolbar includes icons for undo, redo, save, and a "Knit" button (a blue sphere with a white 'K') which is highlighted with a pink rectangle. Other toolbar icons include "Insert", "Run", and a settings gear. The document content is as follows:

```
1 ---
2 title: "JaneEverydayDoe's website"
3 output: html_document
4 ---
5
6 ```{r setup, include=FALSE}
7 knitr::opts_chunk$set(echo = TRUE)
8 ```
9
10 ## R Markdown
11
12 This is an R Markdown document. Markdown is a simple formatting syntax for
13 authoring HTML, PDF, and MS Word documents. For more details on using R Markdown
14 see <http://rmarkdown.rstudio.com>.
15
16 When you click the **Knit** button a document will be generated that includes
17 both content as well as the output of any embedded R code chunks within the
18 document. You can embed an R code chunk like this:
19
20 ```{r cars}
```

The status bar at the bottom shows the cursor position "2:1" and the file name "JaneEverydayDoe's website". The right side of the status bar shows "R Markdown" with a dropdown arrow.

This is how your new R Markdown file will look



Tell git to version control the index.* files

```
git add index.*
```

Provide a good commit message

```
git commit -m "First version of the website"
```

Upload the files to GitHub

```
git push
```



JaneEverydayDoe's website

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML documents. To learn more about using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the code used to generate it. You can embed an R code chunk like this:

After knitting and uploading the index.html file, your website will be live via username.github.io YAY!



About

Describe who you are. For example, what you are currently studying.

Summarize your trajectory. You could mention what you've done. Like what you've studied or where you've worked.

Interests

- * Interest 1
- * Interest 2
- * etc

Projects

- * List some of your recent projects
- * You could include this website as a project!

Profiles

- * [LinkedIn] (<https://www.linkedin.com/in/yourprofile/>)
- * ...
- * [GitHub] (<http://github.com/username>)

Contact

- * [youremail@email] (<mailto:youremail@email>)



```
git add index.*  
git commit -m "Add my initial information"  
git push
```



JaneEverydayDoe's website

About

I'm a fictional character that was made to illustrate different concepts related to Data Science.

Interests

- R
- Making websites

Projects

- This [website](#) is my first project!

Profiles

- [GitHub](#)

Contact

- Jane.Everyday.Doe@gmail.com

Jane's website after we
edited the contents



Change the YAML (top of .Rmd document) from :

```
title: "JaneEverydayDoe' ™s website"
```

```
output: html_document
```

to :

```
title: "JaneEverydayDoe' ™s website"
```

```
output:
```

```
  html_document:
```

```
    theme: spacelab
```



```
git add index.*  
git commit -m "Use spacelab"  
git push
```



JaneEverydayDoe's website

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Now using the spacelab
theme



```
---  
title: "JaneEverydayDoe's website"  
output:  
  html_document:  
    theme: spacelab  
    toc: true  
    toc_depth: 3  
    toc_float: true  
---
```

Update index.Rmd YAML

Then: Push to GitHub

```
git add index.*  
git commit -m "Add a floating table of contents"  
git push
```



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After adding a
floating table
of contents

JaneEverydayDoe's website

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create image directory

```
$ mkdir img
```

then: upload image to that directory

make sure image is there

```
$ ls img
```

```
Jane.png
```



```
![] (img/Jane.png) {width=100px}
```

Add code to index.Rmd to add image

```
git add img/Jane.png  
git add index.*  
git commit -m "Add Jane's image"  
git push
```

Push changes to GitHub



About

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Profiles

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After
adding
an image

JaneEverydayDoe's website



JaneEverydayDoe

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[About](#)[Interests](#)[JHSPH 2017-2018](#)[Profiles](#)[Contact](#)

Amy Peterson, MPH Candidate

About

I am a current Master of Public Health Candidate at [Johns Hopkins Bloomberg School of Public Health](#), concentrating in Biostatistics and Epidemiology, graduating in May 2018.

During my program at JHSPH, I have been an Intern at the [Lieber Institute for Brain Development](#), and a member of [Andrew Jaffe's](#) lab, advised by [Leonardo Collado-Torres](#). I am also a member of and contributor to [LIBD Rstats Club](#).

Prior to the MPH program, I was a Research Analyst in [David Montefiori's](#) lab, the [Laboratory for AIDS Vaccine Research and Development](#) at [Duke University Medical Center, Department of Surgery](#) from 2012 to 2017. I graduated from [Boston University](#) in 2012, with a BA in [Neuroscience](#).

Interests

- Clinical Research
- R programming
- Biostatistics

Amy-peterson.github.io is a website very similar to the one we made, check it out for inspiration and edit yours!



More information:

- * Recent changes to `JaneEverydayDoe` website at <https://github.com/JaneEverydayDoe/janeeverydaydoe.github.com/commits/master>
- * <https://pages.github.com/>
- * Emily Zabor's great tutorial: http://www.emilyzabor.com/tutorials/rmarkdown_websites_tutorial.html
- * Blogdown (<https://bookdown.org/yihui/blogdown/>) - for making blogs

