# Using blogdown

The reference manual for blogdown is at

<https://bookdown.org/yihui/blogdown/>

The notes here are from the video “Making a website with Rstudio Part 1” by John Muschelli

<https://www.youtube.com/watch?v=-9uuyJzWzCI>

Next install blogdown in Rstudio

install.packages(“blogdown”)

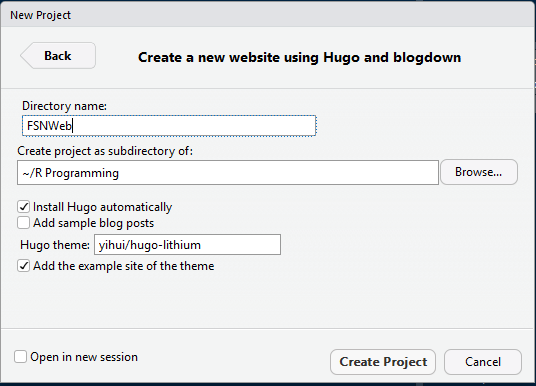
Next start a new Rstudio project

The steps are

File -> New Project -> Website using blogdown

If the last item is not present, then blogdown is not installed.

Next enter a directory name. Choose an appropriate name for the website

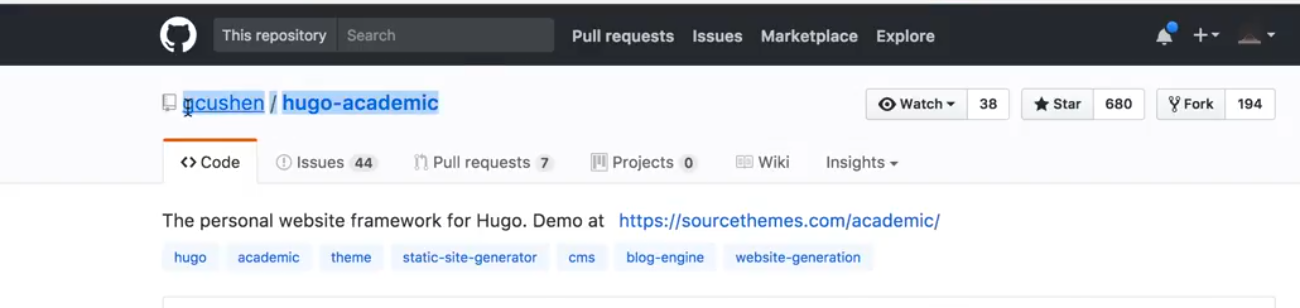


The above shows the default hugo theme

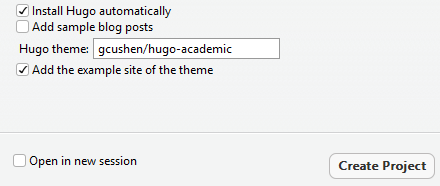
New themes can be found in <https://themes.gohugo.io/>

Going to use the academic hugo theme. Choose the academic theme and then click on the download button. This will bring you to a github webpage

At the github page copy the name as shown below



And paste it into the hugo theme area to replace the that was there



And click Create Project

This will install hugo on your machine, since Install Hugo automatically is ticked

You can also install hugo manually using

blogdown::**install\_hugo**()

To update hugo, you use the command

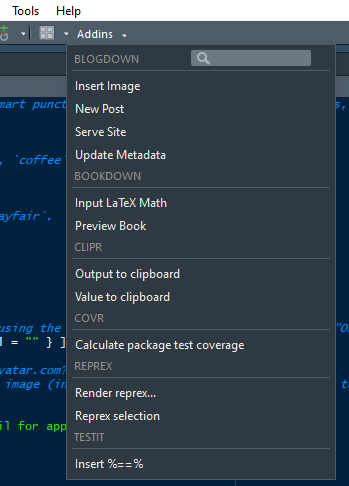
blogdown::update\_hugo()

To now build this site need to run the command

library(blogdown)

blogdown::build\_site()

Once blogdown is loaded, there is a new Addins dropdown on the tool bar



If you click on the Serve Site then it will build the site and serve it. The website can be seen in the viewer tab in Rstudio. If you click the icon ‘Show in new window’, the site will be shown in the browser

To save this to github new to initialise github in Rstudio for this project. This is done thru Tools -> Version Control -> Project Setup and choosing git for the Version Control System and initialise new Git Repository. Rstudio needs to restart if this is initialised for the first time

Now click on Tools -> Version Control -> Commit

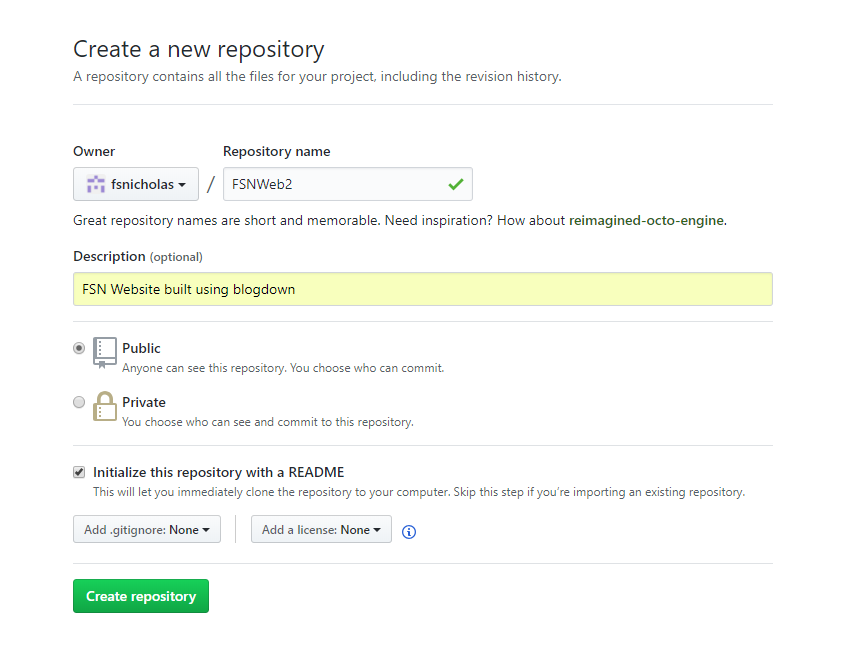


Select all the files on the left, enter a description in the Commit message box, and the click Commit.

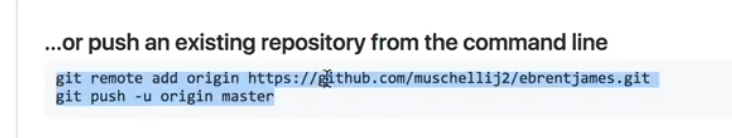
Now on the local machine, there a github repository that is version controlled. BUT nothing is on github.

Now go to github.com. You should already have setup a github account.

There create a new github repository.



With the Repositiry name the same as the Rstudio project name. Once the new repository is created it shows this

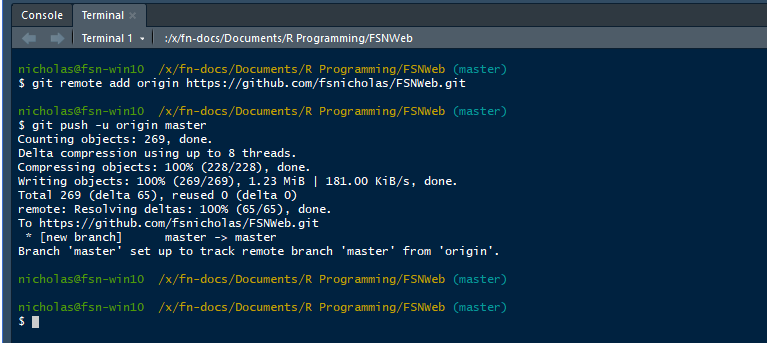


Go back to Rstudio and click on the terminal tab. In the terminal window, which should be opened in the FSNWeb project directory, enter the two commands that was shown when the repository was created on github, as shown above.

You can get a new terminal windowd from Tools -> Terminals -> New Terminal

git remote add origin <https://github.com/fsnicholas/FSNWeb.git>

git push -u origin master

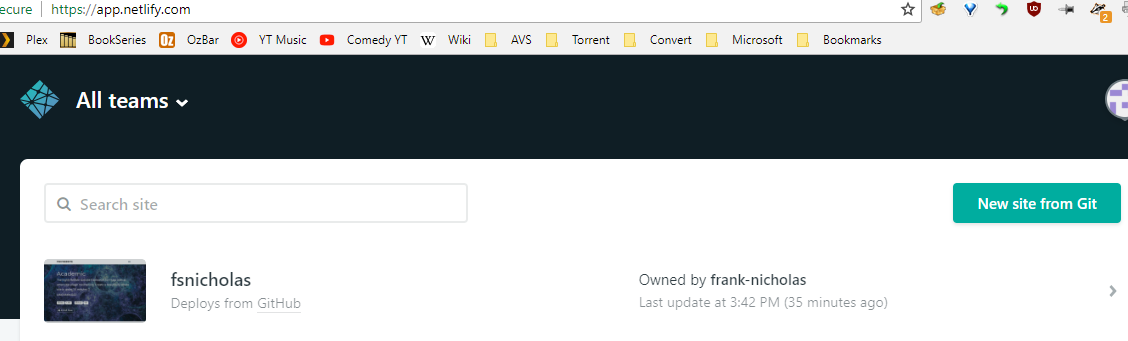


In windows git has to be installed and git has to be in the path for all of the above to work

## Using netlify to Host

We can host a website directly from github using the service provided by <https://www.netlify.com/>

Once you have created an account and logged in, you get the below



Now click on ‘New site from git’ and select github.

From there get into github, and choose the repository for your web site and click on it.

