



# Building a Portfolio Website

OCRUG + MAC

# Agenda

Tutorial ~ 1 Hour

Questions ~ 30 mins

# Personal Story

- Started with Rpubs <https://www.rpubs.com/>

**RPubs** brought to you by RStudio

 barajap1 ▾



**barajap1**  
Pablo Barajas

## Recently Published



### Gender Bias in Graduate Admissions?

Is the school biased? an exploration  
5 months ago

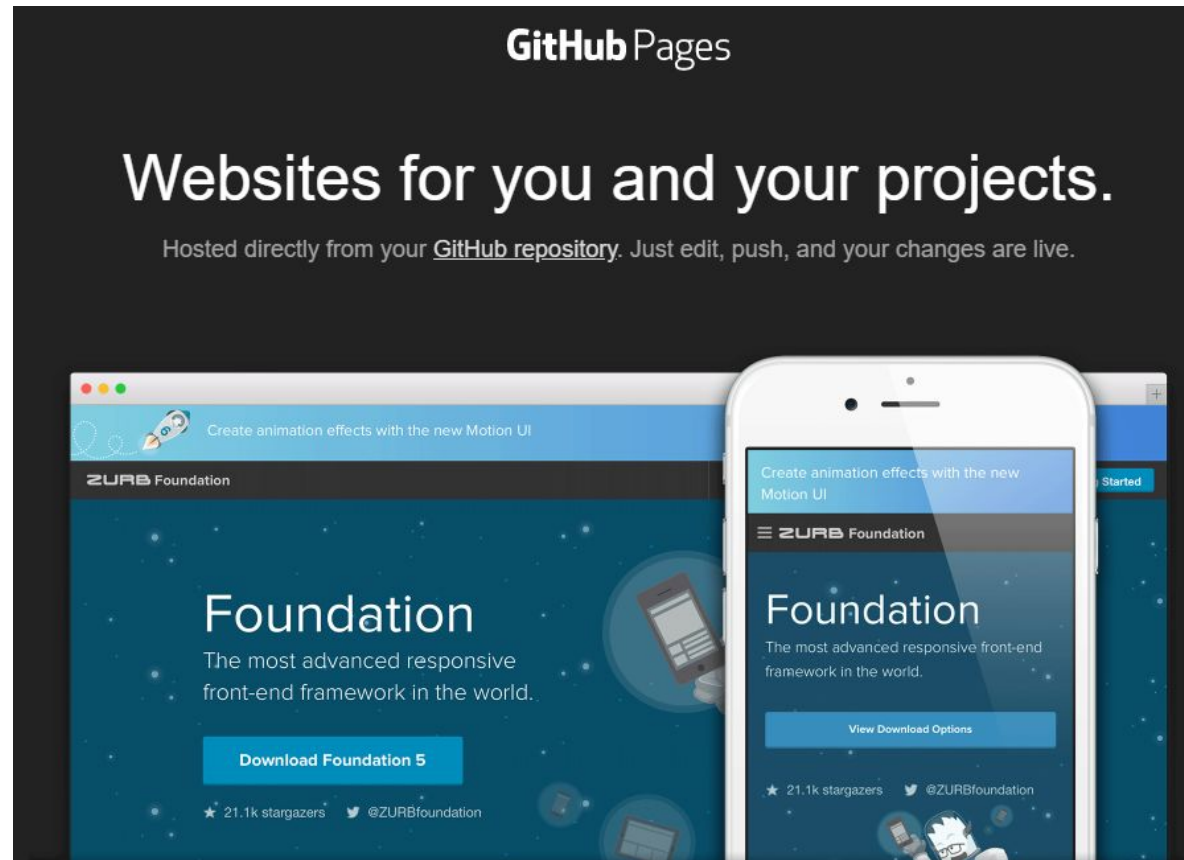


### College Degrees that pay

I completed this project as one of  
datacamp.com projects  
8 months ago

# Then:

- GitHub Pages <https://pages.github.com/>



# And now

- R -> RStudio -> GitHub -> Netlify



# Motivation

- [AwesomeBlogdown](#) collection of awesome websites built with Blogdown

A few:

- <https://www.williamrchase.com/>
- <https://yihui.name/>
- <https://alison.rbind.io/>

# Why Hugo, Github, Blogdown, Netlify?

- **It's free**
- **Simple editing.** Instead of using HTML to write your content, you can write using popular Markdown and LaTeX math expressions.
- **Multiplatform.** Build your site on the cloud or locally on a Mac, Linux, or Windows computer.
- **Lightning fast to generate.** Hugo builds the site, piecing together all the various parts and converting the content to HTML in less than a second
- **Lightning fast to access.** The inherent advantage of using a static site generator is that each page and asset can immediately be served to the client without any dynamic processing.

# Workflow



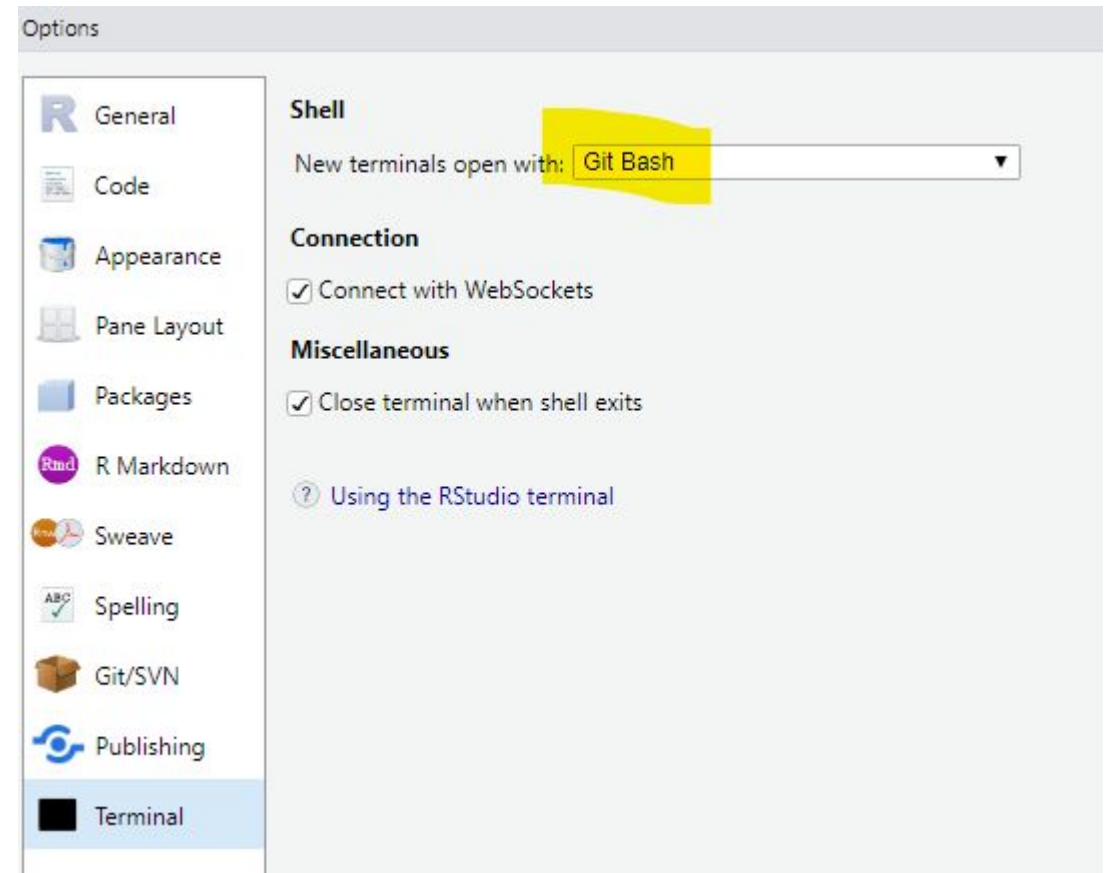
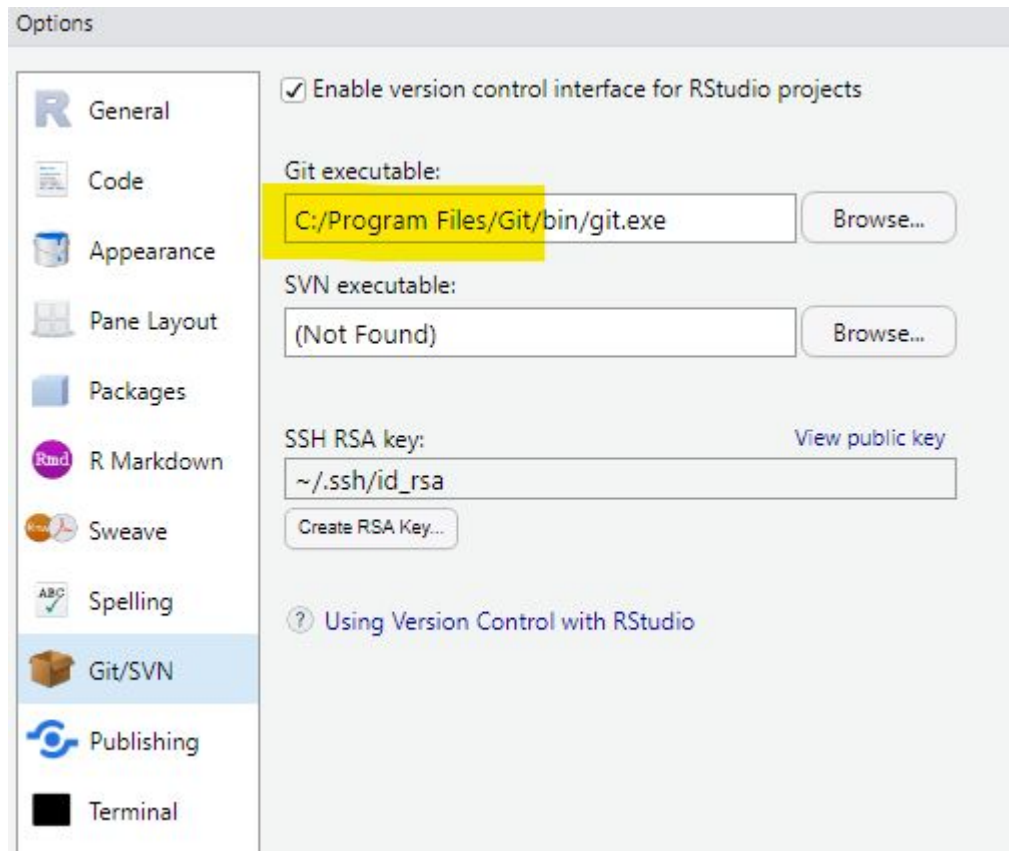


# Set up

- Git
- RStudio
- GitHub Account

# RStudio and Git

In RStudio -> Tools -> Global Options:



# Steps

- GitHub
  - Create new Repository
  - Copy commands
- R Studio:
  - Install blogdown: `install.packages("blogdown")`
  - Create new "R Project" -> New Directory -> "Website using blogdown" -> Hugo Theme: gcushen/hugo-academic
  - Serve Site
  - Modify "config.toml" file
  - Addins -> New Post
  - Add, commit and push changes
- Netlify
  - Connect to GitHub and serve site
  - Change domain


# Create New Repository

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

[Import a repository.](#)

Owner

 pablobara ▾

Repository name \*

/ [redacted]

Great repository names are short and memorable. Need inspiration? How about **bookish-carnival**?

Description (optional)

☒  **Public**

Anyone can see this repository. You choose who can commit.

☐  **Private**

You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☐ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer.

Add .gitignore: **None** ▾

Add a license: **None** ▾



Create repository

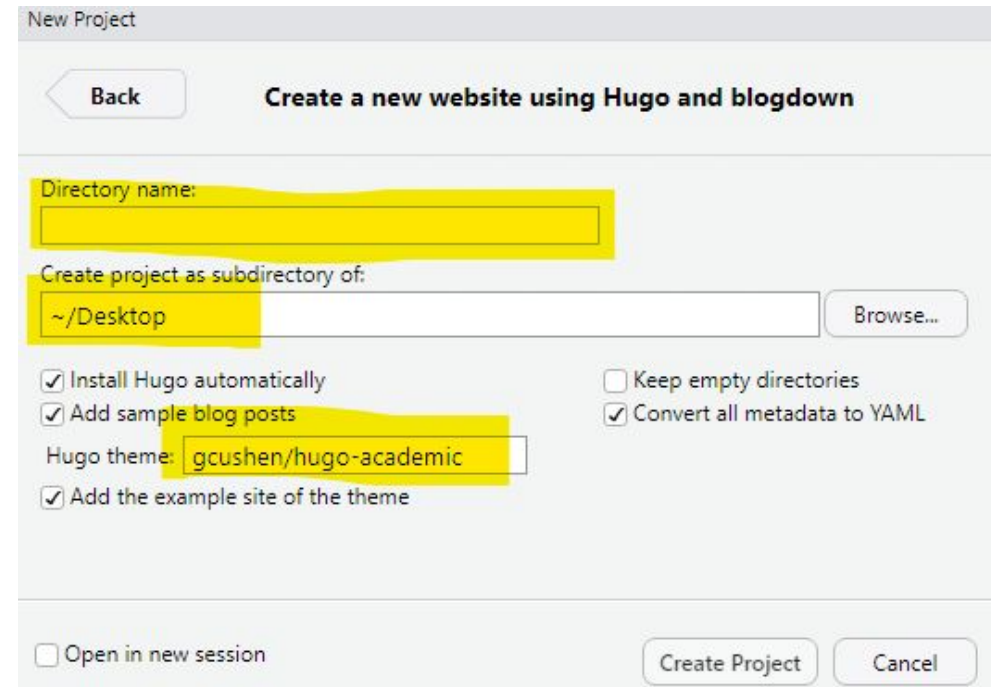
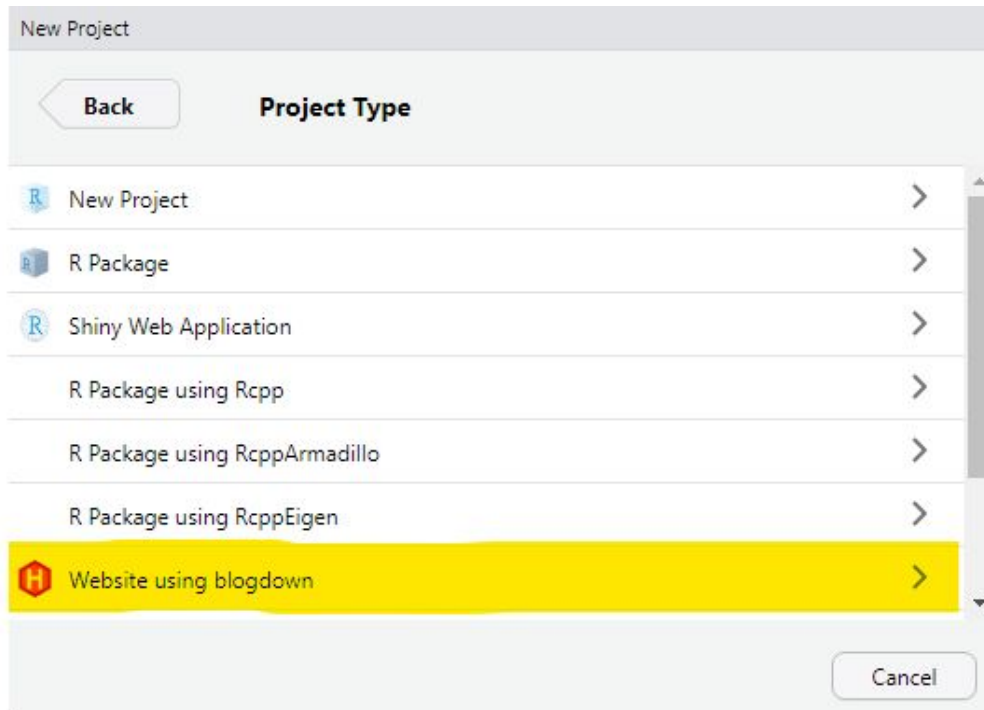
### ...or create a new repository on the command line

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



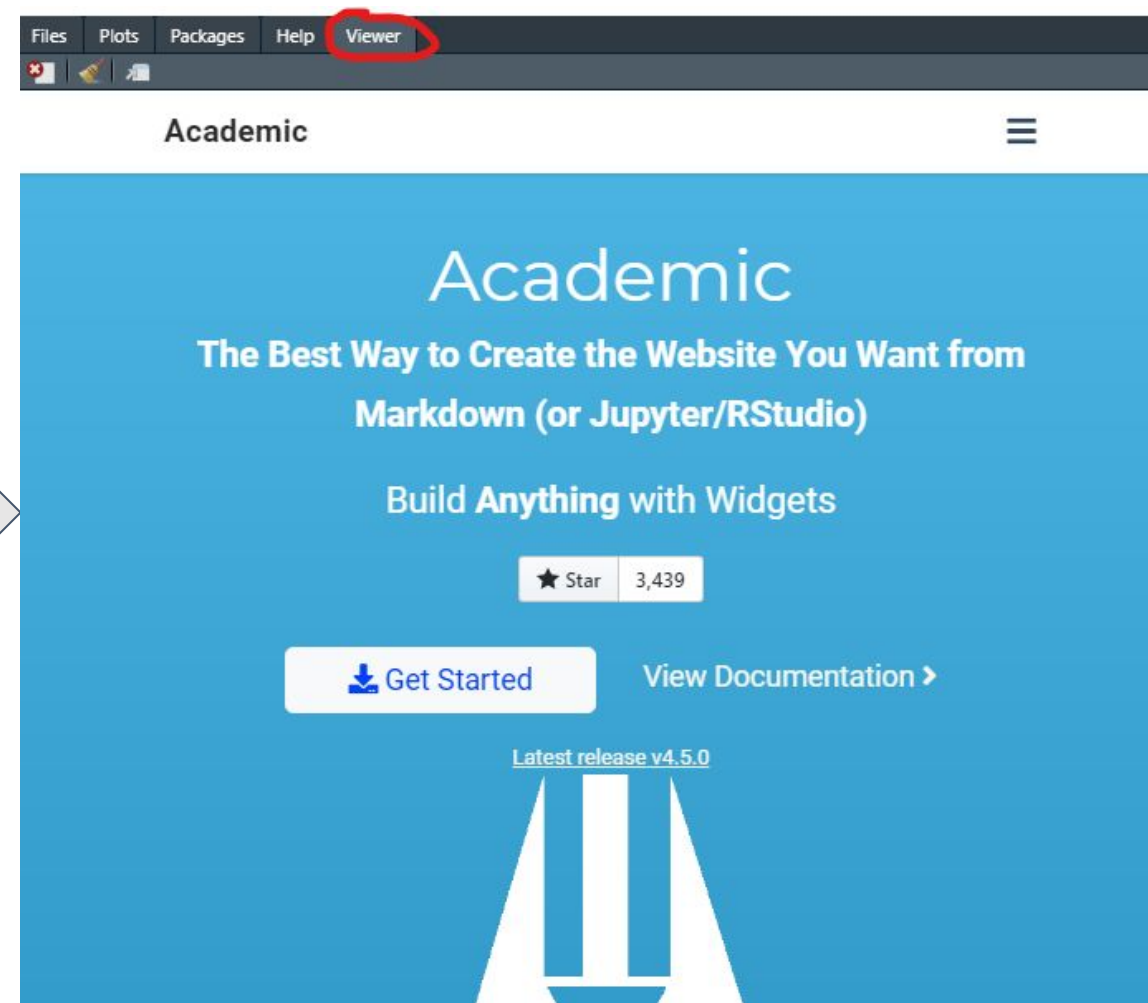
# RStudio

File -> New Project -> New Directory -> Website Using Blogdown ->  
Theme:gcushen/hugo-academic



The screenshot shows the Academic IDE interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, and Help. The 'Addins' menu is open, showing options like BLOGDOWN, Serve Site, New Post, Update Metadata, Insert Image, Touch File, Quote Poem, BOOKDOWN, Preview Book, Input LaTeX Math, CLIPR, Value to clipboard, Output to clipboard, COVR, Calculate package test coverage, DATAPASTA, Paste as tribble, Paste as vector, Paste as vector (vertical), and Paste as data.frame. The 'Serve Site' option is highlighted. The main editor displays the 'config.toml' file with the following content:

```
1 # Configuration of Academic
2 # Documentation: https://sourcethemes.com
3 #
4 # This file is formatted using TOML syntax
5 # Each configuration section is defined by
6 #
7 # Title of your site
8 title = "Academic"
9
10 # The URL of your site.
11 # End your URL with a '/' trailing slash,
12 baseurl = "/"
13
14 # Enter a copyright notice to display in
15 # To display a copyright symbol, type `&copy;`
16 copyright = ""
17
18 #####
19 ## Advanced options below ##
20 #####
21
22 # Name of Academic theme folder in `theme`
23 theme = "hugo-academic"
24
25 # Get last modified date for content from
26 enableGitInfo = false
27
28 # Default language to use (if you setup m
29 defaultContentLanguage = "en"
30 hasCJKLanguage = false # Set `true` for
31 defaultContentLanguageInSubdir = false
```



# Terminal

Tools -> New Terminal

Move to the folder where you saved the R Project:

**cd** *Your Path*

Write the following:

**echo "# Whatever you want" >> README.md**

**git init**

**git add .**

**git commit -m "first commit"**

**git remote add origin <https://github.com/pablobara/nonsense.git>**

**git push -u origin master**



# Check version of HUGO you have

RStudio

```
blogdown::hugo_version()
```

# Netlify

Go to: <https://www.netlify.com/>

Login with your GitHub account

Select your website repo

Advanced settings

Key: HUGO\_VERSION

Value: “your version”

Deploy the site

| Key          | Value  |
|--------------|--------|
| HUGO_VERSION | 0.59.1 |

# Netlify

## Go to domain settings

## Change the default

### objective-jackson-ce5bef

• <https://objective-jackson-ce5bef.netlify.com>

Deploys from [GitHub](#). Last published at 5:41 PM.



Site settings

Domain settings

### Custom domains

By default, your site is always accessible via a Netlify subdomain based on the site name. Custom domains allow you to access your site via one or more non-Netlify domain names.

• [objective-jackson-ce5bef.netlify.com](https://objective-jackson-ce5bef.netlify.com)

Default subdomain



[Learn more about custom domains in the docs](#)

Add custom domain

### Change site name

The site name determines the default URL for your site. Only alphanumeric characters and hyphens are allowed.

Site name

pabloexample

<https://pabloexample.netlify.com>

Save

Cancel

# Make changes to the sample website

Change the name, posts, make changes and remember to:

```
git add .
```

```
git commit -m "message"
```

```
git push
```

# Resources and Extras

- Find different Themes:
  - <https://themes.gohugo.io/>
- blogdown: Creating Websites with R Markdown:
  - <https://bookdown.org/yihui/blogdown/>
- Making a Website Using Blogdown, Hugo:
  - <https://amber.rbind.io/2016/12/19/website/>
  - <https://alison.rbind.io/post/2017-06-12-up-and-running-with-blogdown/>
  - <https://arm.rbind.io/slides/blogdown.html#2>
  - <https://summer-of-blogdown.netlify.com/>
- R Markdown:
  - <https://bookdown.org/yihui/rmarkdown/>
  - ymlthis package <https://ymlthis.r-lib.org/articles/introduction-to-ymlthis.html>
- rbind.io subdomain
  - <https://support.rbind.io/about/>

# Come and Volunteer at OCRUG

When: Last Tuesday of the month at 7:00pm

Where: People Space

Address: 1691 Kettering St, Irvine, CA 92614

# Questions?