**Downloading Node, R & R Studio**

1. Download R: <https://cran.r-project.org/bin/macosx/>
2. Click the most recent package (highest link on the left side of the page, something like R-4.1.2.pkg)

Graphical user interface, text, application

Description automatically generated

1. Download the free version of R Studio (Click the blue button with the apple sign): <https://www.rstudio.com/products/rstudio/download/#download>
2. Click “Allow” if it asks
3. Open your downloads folder and click on the R builder (something like R-4.1.2.pkg)
4. Click “Continue” 3x, Click “Agree”, Click Install
5. Put in your password and wait – when it says installation was successful, click Close and then click Move to Trash if it gives you the option
6. Go back to your downloads folder and click on the R Studio builder (something like RStudio-2021.09.2-382.dmg)
7. Drag RStudio into the Applications folder
8. Exit the window and move to Trash if it gives you the option (or just delete yourself)
9. Go to <https://nodejs.org/en/#home-downloadhead>
10. Click on the LTS version, something like a green box “16.14.0 LTS” & Click on Allow if it asks

Graphical user interface, text, application, website

Description automatically generated

1. Go to your downloads folder and click on the Node builder, something like “node-v16.14.0.pkg”
2. Click “Continue” 2x, then Agree, then Install with your password. Click close and move to trash.

**Create necessary folders & code**

1. Open Terminal (in Applications folder under Utilities)

A picture containing text, newspaper, screenshot

Description automatically generated

Figure 1: Example of steps 16, 22-29

1. Type ‘mkdir Documents/WR’
2. Go to your Google Drive and click on “Shared with me” (left side of screen)
3. Right click on “json\_to\_firestore.zip” and click “Download”
4. Click “Download Anyway” if it asks
5. Open your downloads folder and unzip (double click) “json\_to\_firestore.zip” if it didn’t already
6. At this point you should have a folder in your Documents called “WR” and a folder in your Downloads called “json\_to\_firestore”
7. Go back to Terminal.
8. Type ‘mv Downloads/json\_to\_firestore Documents/WR/’
9. If it asks for permission to access your folders, click OK
10. Type ‘cd Documents/WR’
11. Type ‘git clone <https://github.com/chardensoft/WRShiny.git>’
12. If asked to install command line developer tools, click Install, then Agree, and Continue on Battery Power if necessary. This will take about 15 minutes. You’ll probably have to rerun the earlier line after it completes.
13. Type ‘cd WRShiny’
14. Type ‘touch test.txt’

Text

Description automatically generated

Figure 2: Example of steps 30-37

1. Type ‘git add -A’
2. Type ‘git commit -m “test commit”’
3. Type ‘git checkout main’
4. Type ‘git push -u origin main’
5. It will ask for a Username and Password:
6. Type in the username: beourguest
7. Copy and paste the password (nothing will show up, but it’s there): ghp\_2Ze4YNL9pAm4GN4xwQe3Do6SOKC2Iq2P0Zho
8. No errors? Awesome. If something outputs that’s substantially different than what’s above – let me know.
9. Exit Terminal

**Run the app for the first time!**

1. Go to your finder, click on Documents, click on WR, click on WRShiny, right click on WRShiny.Rproj and use R Studio to open (Open with > R Studio).
2. If R Studio isn’t already the default, click on Get Info and set the default to R Studio.
3. Click Open if it asks about running an internet app for the first time
4. If RStudio asks to access any folders, click OK
5. You might have to click “Retry” once
6. Type into the Console (the main window it will already have you in) the following commands, easiest if you copy-paste, will take a minute or two:

install.packages("shiny")

install.packages("dplyr")

install.packages("DT")

install.packages("jsonlite")

install.packages("uuid")

Graphical user interface, application

Description automatically generated

1. In the lower right window, you’ll see a list of files. Click on ‘ui.R’ (shown above)
2. In the top right of the window that pops up, click “Run App” with the little green play button next to it

Graphical user interface, text, application

Description automatically generated

1. It may take a second to load, just wait patiently!
2. Feel free to enlarge the window or click on “Open in Browser” right along the top
3. Follow the instructions in app and when you’re done, just exit out and/or quit R Studio!

**Going Forward**

1. Each time you want to run the app, go to your finder, click on Documents, click on WR, click on WRShiny, and click on ‘ui.R’.
2. In the top right of the window that pops up, click “Run App” with the little green play button next to it
3. It may take a second to load, just wait patiently!
4. Feel free to enlarge the window or click on “Open in Browser” right along the top
5. Follow the instructions in app and when you’re done, exit out!
6. If you have errors, usually some red text will show up in the Console part of R Studio. If that happens, shoot me a screenshot, but if there’s nothing there, no worries. Just let me know what’s happening and we can fix it quick!