

9.1.2 Prepare Your Tools

Once your database is downloaded, it's a good idea to check and make sure you have the right tools in place. Without the tools to analyze it, the data won't do us much good.

We'll kick our analysis off by checking on three tools: Jupyter Notebook, VS Code, and GitHub.

Jupyter Notebook

The first tool we'll check on is Jupyter Notebook. As you already know, Jupyter notebook files are great for sharing code. Since Jupyter Notebook is run in a browser, you will be able to easily share your analysis with W. Avy. All investors will need to do is download the file and run the code you provide.

Check that you have Jupyter Notebook installed by viewing your Applications folder. Open Terminal (on Mac) or Command Prompt (on Windows) and run the command `jupyter --version`. If a version number is

returned (any version number is fine) you're good to go. If a version number is not returned, you'll need to reinstall the program.

VS Code

We'll also be using VS Code in this module to create our Flask application. To make sure you have it installed, go to the Anaconda Navigator application and check the list of applications within the Navigator. If you do not see it in the list, go ahead and install it.



GitHub

We'll be using GitHub to store our code, so you should create a new repository for this project. Let's name it "surfs_up." Remember to commit your code early and often!

REWIND

To create a new repository on GitHub:

1. Give the repository the name "surfs_up."
2. (Optional) Add a brief description of the repository and what type of programming software you are using for this project.
3. Make the repository public.
4. Click "Initialize this repository with a README." Each GitHub repo has a README file that serves as a kind of homepage for the repository. This is where you can add a description of

your project. We will add a description at the end of this module.

5. Click "Add .gitignore" and type "Python."
6. Click the green "Create repository" box. After clicking "Create repository," you'll be on the homepage of your repository. Once you are back, you will want to copy the HTTP link to the repo from the "Clone or download" green button.

To clone the "surfs_up" repository to your computer, run the following command. Make sure to add your HTTP github repo link.

NOTE

Before running this command, make sure you're in the local directory that you want your code to go in.

```
git clone < github link >
```

Now make sure that the clone was successful. To do this, navigate through your local file system and check that the surfs_up folder is in the correct place.

Nice work! Now you're ready to import the dependencies.