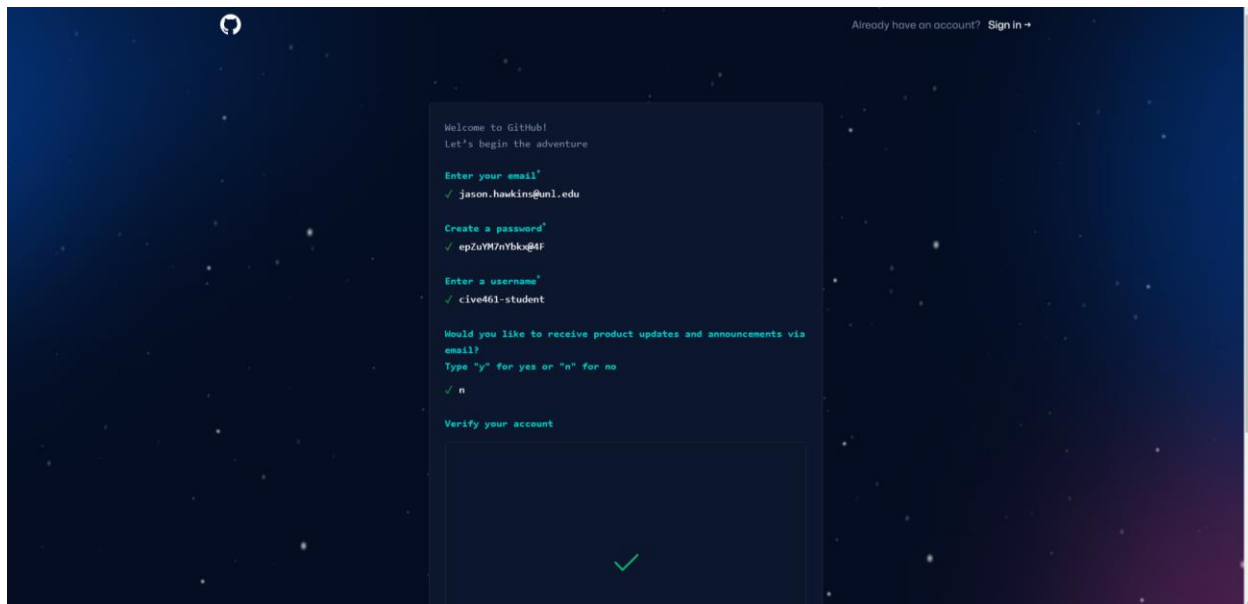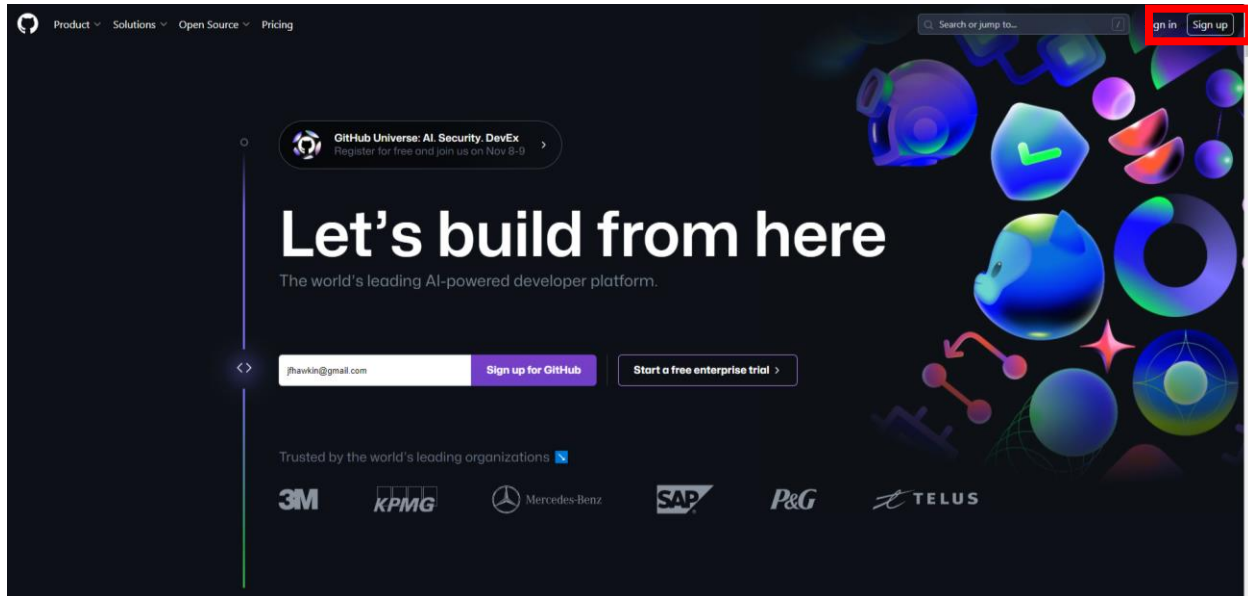**Setting Up a Github Codespace for ENCI707**

1. Create a Github account at https://github.com/

After verifying your account, you should see a very exciting animation.

2. You should navigate to https://github.com/Hawkins-TECH-Lab/ENCI707 and see a page like that below. Click on "Fork".

3. You should see a page similar to that below. Select the **CIVE461 repository**. Click "Create fork".

4. Click the **green '<>Code' button**. Then click the **green 'Create codespace at main' button**.

5. A new window will open. **Wait for it to load.** This loading will be much faster when you next open the codespace.
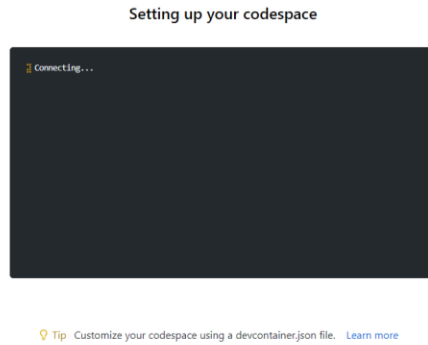
6. After opening, you should see a page that shows the packages loading. **Wait!** The page should refresh to look similar to the below page. The codespace is now loading the required packages (including Biogeme). **This loading time will only be required once**. When you open it in the future, everything should be there and ready for you to run your code. 1. You can now navigate in the side menu to see the notebook. All the data is ready to be loaded into the project without any additional work.
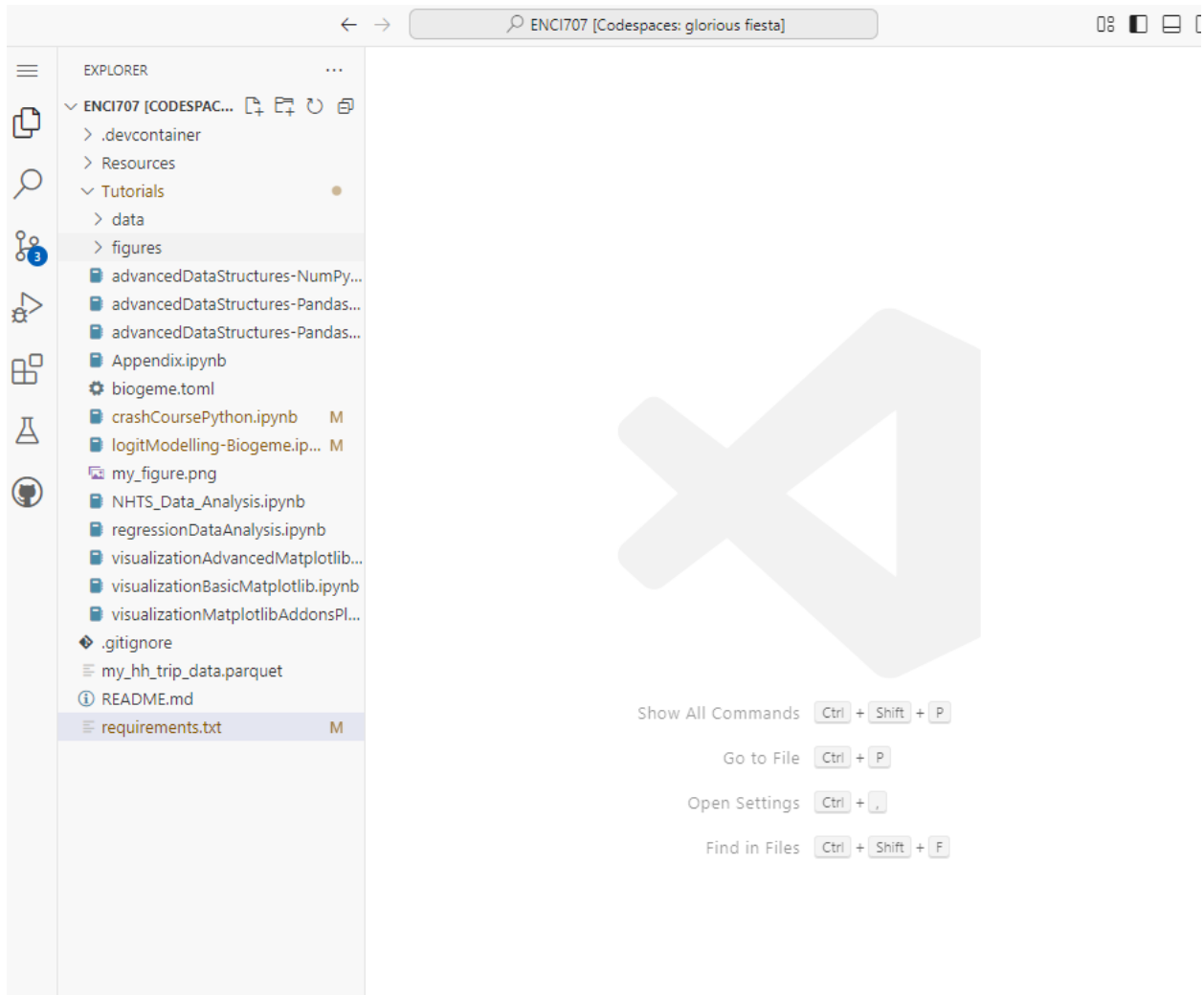
7. You can now run your code similar to Google Colab, Anaconda Jupyter notebooks, etc. – i.e., using code cells and markdown cells.

8. For your changes in the code save, you will need to **'commit' your changes**.

EXPLORER ...

∨ ENCI707 [CODESPAC...

> .devcontainer
> Resources
∨ Tutorials ●
> data
> figures
advancedDataStructures-NumPy...
advancedDataStructures-Pandas...
advancedDataStructures-Pandas...
Appendix.ipynb
biogeme.toml
crashCoursePython.ipynb   M
logitModelling-Biogeme.ip... M
my_figure.png
NHTS_Data_Analysis.ipynb
regressionDataAnalysis.ipynb
visualizationAdvancedMatplotlib...
visualizationBasicMatplotlib.ipynb
visualizationMatplotlibAddonsPl...
.gitignore
my_hh_trip_data.parquet
README.md
requirements.txt   M

SOURCE CONTROL ...

∨ SOURCE CONTROL ≡ ✓ 🔗 ↻ ...

Message...

✓ Commit ∨

∨ Changes 3
≡ requirements.txt M
📄 crashCoursePython.ipynb T... M
📄 logitModelling-Biogeme.ipy... M

∨ SOURC... 🔀 Auto ◎ ⤓ ⤓ ⤒ ↻
◯ Check and update a... ◎ main ☁
● Check results with new Biogeme...
● Update README.md jfhawkin
● Delete Tutorials/Trip Distribution...
● Delete Group Project directory jf...
● Delete Tutorials/CIVE461_F22_T...
● Delete Tutorials/CIVE461_F22_T...
● Update G03-NAMES.ipynb jfhaw...
● Update devcontainer.json jfhawkin
● Update G03-NAMES.ipynb jfhaw...
● Update requirements.txt jfhawkin
● Delete data/test jfhawkin
● Add NHTS data as parquet files...
● Create test jfhawkin
● Create data jfhawkin
◉ Merge pull request #1 from oa...
  Correct file paths
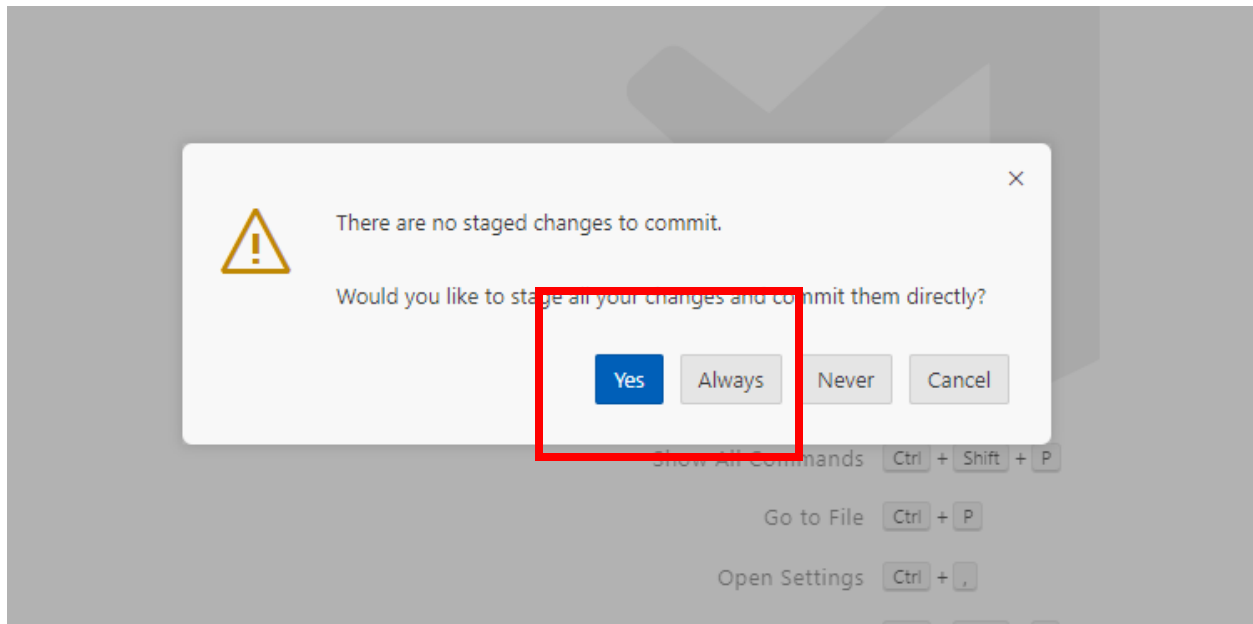
9. When you open the Codespace in the future, you should **select the existing Codespace** (rather than starting a new one) to save startup time. The Codespaces usually have a fun name.

10. **Additional notes:**
    a. There is no need to change the file paths. They will be the same for everyone.
    b. All files are stored under a 'data' directory.