

ReadMe for TDA tutorial.

August 2, 2019

Running the docker container.

If you do not have Docker already installed, visit their main site to get started.

1. Once you have docker installed (and this tutorial downloaded), open Terminal and navigate to the downloaded directory.
2. Type *make build* and hit enter. This step may take a while but you can see each step in the Dockerfile.
3. Type *make run* and hit enter. Again, this may take a minute or two. A new tab should open in Chrome and after a moment it will ask for a password for the jupyter notebook. The password/token will be shown in the terminal. For example, the terminal will print something similar to:

```
[I 16:26:46.624 NotebookApp] The Jupyter Notebook is running at:
[I 16:26:46.624 NotebookApp] http://(1e190ce840ba or 127.0.0.1):8888/?token=
    ↪ bb69216f12ae2e697fa9b8e8e18da57429aac4719f6bd904
[I 16:26:46.625 NotebookApp] Use Control-C to stop this server and shut down all kernels
    ↪ (twice to skip confirmation).
[C 16:26:46.628 NotebookApp]
```

To access the notebook, open this file in a browser:
file:///home/jovyan/.local/share/jupyter/runtime/nbserver-7-open.html
Or copy and paste one of these URLs:
http://(1e190ce840ba or 127.0.0.1):8888/?token=
 ↪ bb69216f12ae2e697fa9b8e8e18da57429aac4719f6bd904

4. Now you should see the folder in your browser!!