Choices

You will have two different choices for using the course environment Jupyter. One is Jupyter Notebook the other is Jupyterhub! You can use both if you want, each of these environments is how we will be doing our coding assignments during the semester! You can read a little bit more about each of these programs by exploring the [Jupyter websiteLinks to an external site.](https://jupyter.org/).

Jupyter Notebook

Jupyter Notebook is a local environment for using Jupyter. The files will be stored on your local machine and you can only access them on this machine. This is a useful tool if you always have your laptop on you and do all of your coding with it, or a similar scenario.  Anaconda installer will be used to set up and install Jupyter Notebook and can provide you with some customizability!

Jupyterhub

Jupyterhub is an online Jupyter environment. The hub allows you to use Jupyter from anywhere you have a wifi connection and can sign into Mines VPN (set up instructions on the next page). This is a good choice if your code whenever and wherever! You can log in from different devices and your information will be accessible!

Google Colab

Google Colab is similar to Jupyter notebooks but is offered through your google drive, just like the Jupyterhub it is available anywhere and works well! You will be able to utilize the notebooks in the exact same ways as Jupyter! Colab can be better if you do not want to use a VPN every time you connect! One downside is dealing with file locations, it is not difficult but can take some time to get used to, so be aware!

Time to Chose

Now, whichever one you have decided on is up to you! You can always go back and change your mind in the future! Here are the links to the pages to set up each environment:

1. [Set up Jupyter Notebook (local machine)](https://elearning.mines.edu/courses/52392/pages/installing-and-using-jupyter-notebooks)
2. [Set up Jupyterhub (in the cloud)](https://elearning.mines.edu/courses/52392/pages/setting-up-jupyterhub)
3. [Setting up Google Colab](https://elearning.mines.edu/courses/52392/pages/setting-up-google-colab)