Jupyter Lab Notebook Exploration

<https://github.com/mdrake96/jupyter_exploration/blob/c044058fc74f6ec364792ef15372ad8c5dde1515/My_First_Notebook.ipynb>

I took a slightly different approach to this lab by setting up and accessing Jupyter Lab via Anaconda and Python terminal. As there are many platforms and different ways to access Jupyter Lab my two favorites are probably SageMaker Studio Lab and Anaconda. I have used these two tools in a previous Machine Learning course. Accessing Jupyter Lab via python method is simple but relatively new to me. First, I installed python and then installed Jupyter lab locally through the command prompt using the pip install command. I was able to open and navigate to Jupyter Lab from the command prompt into the web browser. I explored and refamiliarized myself with the Jupyter lab work environment. I have a basic understanding of the tools available and the overall layout for working in Jupyter Lab. Understanding and knowing the different types of cells and the different extensions notebooks can be converted to is important, but only the tip of the iceberg when it comes to the practicality and tools provided by Jupyter Lab. I was able to produce simple Python code in one of the cells that can be seen in my GitHub repository. I learned that version control is important when deciding whic versions of a program to download. More specifically it is wise to not download the latest versions of Python as some of the necesary libraries and packages may not communicate or work well with either Jupyter Lab or VS Code. I also learned to differenciate between libraries and frameworks. A library typically offers resources and tools for one specific task such as Computer Vision and frameworks are more general in the tools offered for a variety of ML tasks. One of the primary challenges I faced in this assignment was deciding which access point to Jupyter Lab worked best for me. I chose accessing Jupyter Lab through Anaconda because of the experience that I have. I plan to become more comfortable using Python and VS code to access Jupyter Lab and complete projects.