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**Project Assignment #1 Reflection**

This python project allowed me to explore my curiosity about the tip vs. customer bill. A dataset was the crucial and essential factor needed to complete this project. Fortunately, I was able the find one from [www.kaggle.com](http://www.kaggle.com). Another important part was creating the correct code to prove my hypothesis; For larger restaurant customer bill, the larger the tip.

           The most challenging for me with this project was writing the code to prove my hypothesis. I am not proficient with Python; therefore, I had to seek tutoring. After explaining my situation and the project to a tutor, he guided me through the process to complete the project. During the project's life cycle, I learned to navigate anaconda in more detail and a new text editor called Jupiter, which runs ipynb files. The technical information the tutor provided to complete this project was beneficial.

           On the other hand, after lectures six and seven in my python class, I felt that I would have been more confident to complete this project independently. Professor Domanski covered natural language processing and python libraries for data handling such as pandas, NumPy, and Matplotlib. The information provided in these lectures would have solved the most difficult sections of the project.

           The experience of using Python to do this project was fun and exciting. It was fascinating to use a few lines of code to achieve an enormous amount of work. I can now see why Python is the preferred language by many manufacturers for developing new technology. This project was not easy for me, but I gained a lot of technical skills by analyzing data. If I had to do this project again with more time, I would try to accomplish it independently without any assistance.