I found this project to be more tedious rather than difficult. After grasping what the requirements were and how creative I wanted to be, it was pretty straightforward. I spent a lot of time making sure that the user experience was proficient. For instance, it took me a while to understand what I meant to write a file to a sql database and how to do that. Once I did it for the first part of the project, it was quite easy to move forward with the second half.

The print statements, even though they are simple to write, were also time consuming. For example, I had to make sure that if there were any errors with the user input, such as writing the wrong API link or the wrong CSV name, a corresponding error statement was issued. In the past, my programming experiences focused on more analysis based projects, rather than designing a product for a user, so it took me a second to wrap my head around that.

This project will have a lot of utility in future data projects. For these 3 types of data formats, I know how to read in and write out all of them. For instance, say there is data I want to get into SQL to establish a database. I can easily use the framework of this code I have written to pull from a CSV or JSON. Essentially, I saved myself an hour of work in relation to the wrangling phase of future projects.

This project has also helped me gain experience in user design. Again, even though this was a very simple project with it boiling down to a series of print statements, I learned a lot about how to craft a project with the user in mind. Moreover, by implementing error statements, I was forced to reflect on what could go wrong within the use of my project. This was a different form of thinking than I am used to. It is intuitive for one to think about how to make things work, but it is not intuitive to consider circumstances of failure. Moving forward, I will have a lot more confidence on how to think about both instances of failure and success.