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Data Project Reflection

While creating our data processor, we learned a lot about working with CSVs, JSON, and SQL. We were both apprehensive going into the project, as the majority of our coding experience revolved mainly around creating visualizations using CSVs rather than processing data and converting file types. However, we both enjoyed figuring out how to effectively create functions that would allow the easy conversion and manipulation of multiple file types. It's a rewarding feeling to design a tool that you can use for future projects instead of simply using one that somebody else has created.

The part of the project that was far easier than we thought it would be was converting the JSON and CSV files to SQL files. We especially thought that converting the JSON to CSV would be difficult, as we didn't have much experience with JSON, but the process went smoothly after we looked back at past assignments. The part of the project where we struggled the most was in getting the records and columns from the SQL database after we had converted the data. Eventually, we were again able to find examples from previous assignments that helped us finish the code.

The final tool we created was both functional and efficient. From the input functions at the beginning to the request functions at the end, we kept it simple and ensured that our tool was easy to use. Therefore, I can see us using it to convert file types not only in future assignments for this class but also in other data science classes and even in our jobs after we graduate.