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Activity 3 Reflection

This activity pushed me to think critically and navigate through some of the complexities of working with data in Python. The Trans-Atlantic Slave Trade dataset was extensive, and while working with it, I quickly realized how intricate data analysis can be. From loading the dataset to analyzing its structure, there were a lot of moving parts, and I had to stay focused to make sure everything worked smoothly.

The missing values in key columns were frustrating at times. With over 17,000 blanks, it felt like I had to constantly adjust my approach to work around the gaps. It was a good reminder of how data isn't always clean or complete and how those challenges are just part of the process. Figuring out how to handle these gaps was satisfying because it felt like I was solving little puzzles along the way.

I also spent time reviewing data types and making sure they were usable for analysis. Even small mistakes, like leaving numeric values as strings, could have messed up my calculations. This made me realize how much attention to detail is needed. It felt rewarding to see the code run without errors after carefully checking everything. Overall, this activity felt like a mix of problem-solving and patience. It showed me how coding isn't just about writing lines of code but also about thinking critically and adapting to challenges. While it was complex at times, I felt accomplished by the end, knowing I could break down each task and make it work.