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CAP4770

My contributions:

I figured out how to set up and run the SQL database for the group. After I put it all together, I shared with the group how to install the SQL workbench and the SQL server. From there I advised on how to install the Anaconda environment to properly run the Jupyter notebook. I gave them a step-by-step guide to run the whole SQL system.

When I found out that the SQL workbench did not properly load all of the information from the CSV file, I wrote an additional Jupyter notebook database validation file that checked and properly ensured that all information was included.

I wrote and refined multiple SQL queries to create graphs and models pertaining to the amount of damage done by each weather event, as well as the frequency of each weather event.

For the final report, I cleaned up and rewrote the abstract section. The introduction was completed entirely by me. From there, I read the two sources that were found and wrote the literature review and how they related to the final report. After a couple of days of the report sitting unfinished, the rest of section 3 was finished with the table and how this data related to the problem statement. The patterns and correlations section with all the graphs were completed by me. The entire report was then proofread, and I advised the group that I had completed it.

What I have learned:

I learned how to write code to ensure that the database has the correct elements inside of it. I also learned how to advise and guide my group members on how to approach the project and how to write the report.