**Contributions**

I contributed by writing SQL queries to the database to retrieve information about severe weather event timing, casualties, and geographic information. I pulled this information from the database using Pandas and plotted it with PyPlot. These charts reveal trends and correlations that may be helpful in keeping people informed about weather trends.

I also wrote the code pertaining to the models. I created a general regression model that predicts casualties and injuries in reference to total damage. This had a relatively moderate strength (0.79). I also created a binary classification model trained on the dataset to guess if a weather event would be deadly. This model had a high degree of accuracy at 86%. Furthermore, I created graphs pertaining to this model.

Regarding the report, I wrote the sections on model analysis and our problem statement. I contributed to the data analysis, collection, and preparation sections. In the model analysis section, I described how the models functioned and their respective performance.

I created the presentation for the project. I wrote and designed most slides, except for the results and findings section. The presentation covers most information discussed in the paper, though it excludes some graphs for brevity’s sake.

**What I Learned**

I learned a great deal of information regarding utilizing SQL databases for analyzing real datasets. I was taught how to use MySQL to setup a database and import CSV data into it.

Furthermore, I learned how to deal with complex datasets with queries. I also had to deal with the Pandas library to import and handle the data.

To plot the information, I used the PyPlot library, which I was relatively familiar with beforehand. Creating these graphs and designing them in such a way that was visually appealing was difficult and taught me a lot.

Using GitHub to manage this project was also a great experience, as I learned how to deal with multiple people collaborating on a project at once.