

STAT 230A Final Project Reflection

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In this project, I mainly worked on building the Poisson and Negative Binomial regression models, as well as writing part of the final report. I also helped clean the dataset and performed some of the exploratory data analysis. My teammate focused more on the regularized models and LightGBM.

I think our project was meaningful because it connected statistics with a real-world problem. I learned how to choose a model depending on data structure, and how to evaluate it using both visual plots and metrics. If I could do it again, I would spend more time on understanding model assumptions and maybe try time series models earlier.

Compared to industry work, this project felt more academic, with more focus on interpretability and writing. But I think the practice of splitting data properly and explaining results clearly is very useful in real job.