

Defogger

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Project Description

Defogger is a data science and machine learning based project that will provide insight into the past, present, and future trends of a dataset.

Potential Datasets:

- LAPD crime data
- City census data
- Flu/illness data

Software such as Pandas, tensorflow, jupyter notebooks, and a database are expected to be used, and additional processing power may be required for advanced modeling and prediction.

User's Point of View

- A user of this application will be able to supply a dataset to be analyzed, identifying trends within the dataset and predicting future values, most likely using jupyter notebooks.
- Based on these trends and predictions real-life decisions could be made to respond to them.
- Predictive models may be stored and implemented for easy access depending on feasibility.

Interest

- This project builds on concepts from databases and algorithms in the storing and analysis of large quantities of data.
- Additionally, this project focuses on machine learning and data science which are areas of computer science I have experience with outside of class, and wish to explore and expand my knowledge of.

Questions?