**Code Structure and Dataset:**  
The folders labels are self explanatory and the Collab notebook files (.ipynb) as well. We have two helper notebooks prefixed with “Helper”.

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**Project Link:**

<https://drive.google.com/drive/folders/1yaEh_AY7q5-4rfWmEoxKRCUwx7ZDeJU7?usp=sharing>

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**Folders:**

* **Raw\_Data: Contains all raw csv files**
* **Dataset: Contains main train and test data that we used**
* **Src: contains the code files for all the models and help functions**

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**How to run code:**

* astar.py - python astar.py
* mergcv.py - python mergecv.py (NOTE: Make sure to put data set in the same folder)
* Rest .ipynb files can be run in jupyter notebook cell by cell or use Google Colab to run this.

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**Google Colab Files:**

* SVM: <https://colab.research.google.com/drive/17aSJugp0jZWY0wo3QZHivHPE0c4smVk1?usp=sharing>
* XGBoost:[**https://colab.research.google.com/drive/1PN2B3ZyAvHtFLBsSpl6oZOFPkMSS-Slj?usp=sharing**](https://colab.research.google.com/drive/1PN2B3ZyAvHtFLBsSpl6oZOFPkMSS-Slj?usp=sharing)
* Random Forest: <https://colab.research.google.com/drive/1RXdhoPNKzmecYoj6qswzwEeMamfYFDE6?usp=sharing>
* CNN-LSTM: <https://colab.research.google.com/drive/12SfI2dlbLj3Iwm9r7WLAMmuAVbJttqfs?usp=sharing>