

#### Notebooks:

- Explore\_Data\_Analysis.ipynb: Notebook for EDA
- Feature\_Engineer.ipynb: Notebook for feature engineer  
Inputs: Data/RawData/dengue\_features\_train.csv,  
Data/RawData/dengue\_labels\_train.csv  
Outputs: Data/ProcessedData/train\_features.csv,  
Data/ProcessedData/train\_labels.csv,  
Data/ProcessedData/validation\_features.csv,  
Data/ProcessedData/validation\_labels.csv
- Baseline\_Model.ipynb: Notebook for baseline model  
Inputs: Data/ProcessedData/train\_features.csv,  
Data/ProcessedData/train\_labels.csv,  
Data/ProcessedData/validation\_features.csv,  
Data/ProcessedData/validation\_labels.csv
- XGBoost\_LightGBM.ipynb: Notebook for LightGBM & XGBoost  
Inputs: Data/ProcessedData/train\_features.csv,  
Data/ProcessedData/train\_labels.csv,  
Data/ProcessedData/validation\_features.csv,  
Data/ProcessedData/validation\_labels.csv  
Outputs: Outputs/lgb\_params.pickle,  
Outputs/xgb\_params.pickle
- Models\_by\_Locations.ipynb: Notebook for models by cities  
Inputs: Data/ProcessedData/sj\_train\_features.csv,  
Data/ProcessedData/sj\_validation\_features.csv,  
Data/ProcessedData/sj\_train\_labels.csv,  
Data/ProcessedData/sj\_validation\_labels.csv,  
Data/ProcessedData/iq\_train\_features.csv,  
Data/ProcessedData/iq\_validation\_features.csv,  
Data/ProcessedData/iq\_train\_labels.csv,  
Data/ProcessedData/iq\_validation\_labels.csv

#### Folders:

- Data: contains raw data and processed data after feature engineering and selection
- Output: contains best parameters for LightGBM & XGBoost after tuning
- Documentation: paper works for the project