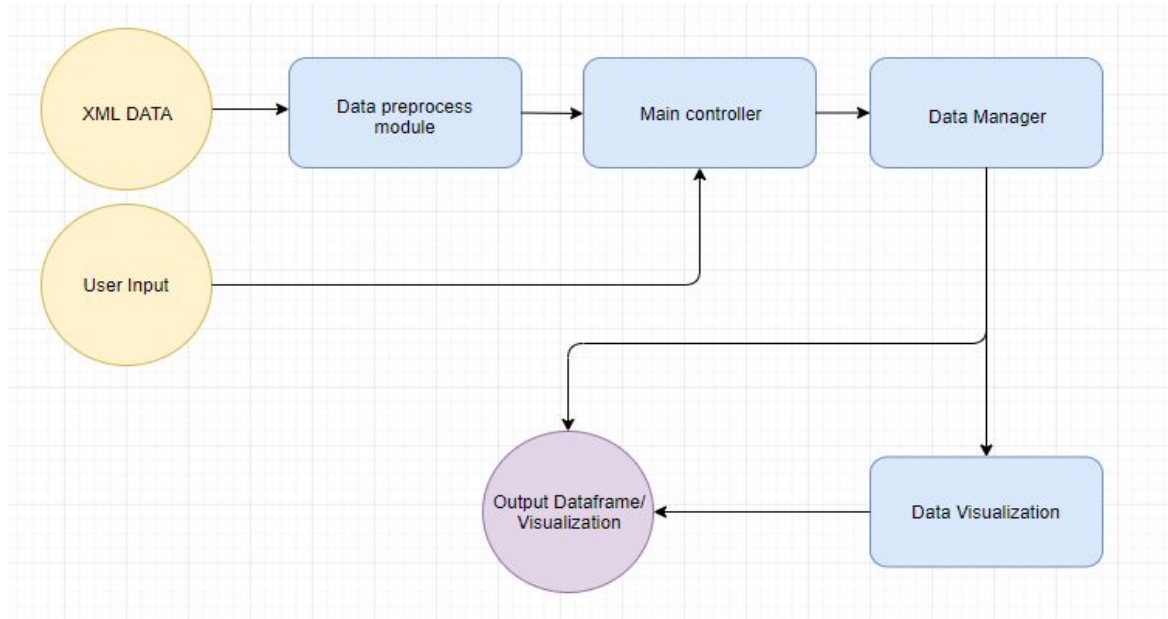




Aviation Accident Data Project Progress Report

Yetao Chen, Yifan Xu, Tianyi Zhang

Pipeline Diagram

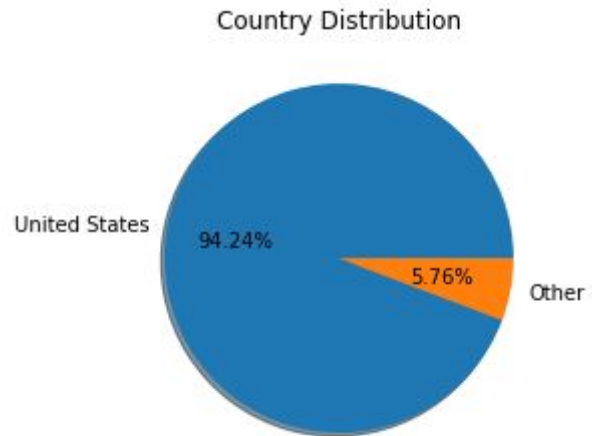
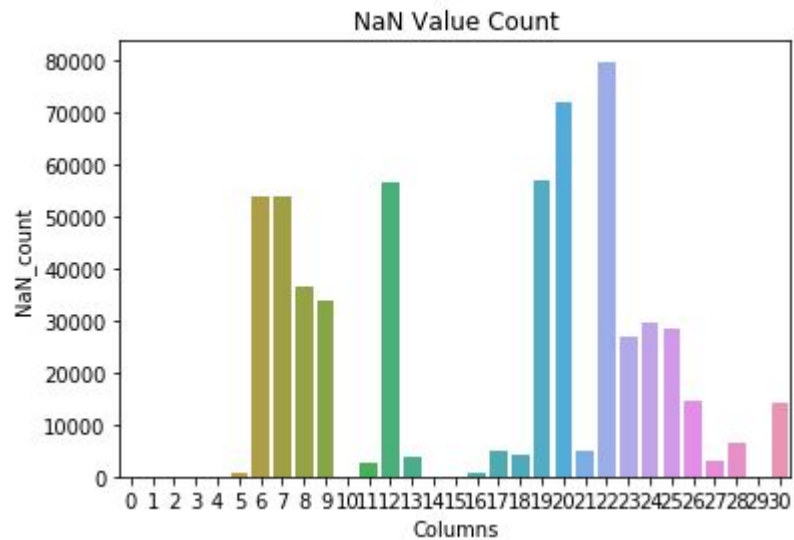




Data Preprocessing

- Problems to deal with:
 - NaN values
 - Missing values
 - Pool distribution on features
 - Feature separation

Data Preprocessing





Main Controller and Data Manager

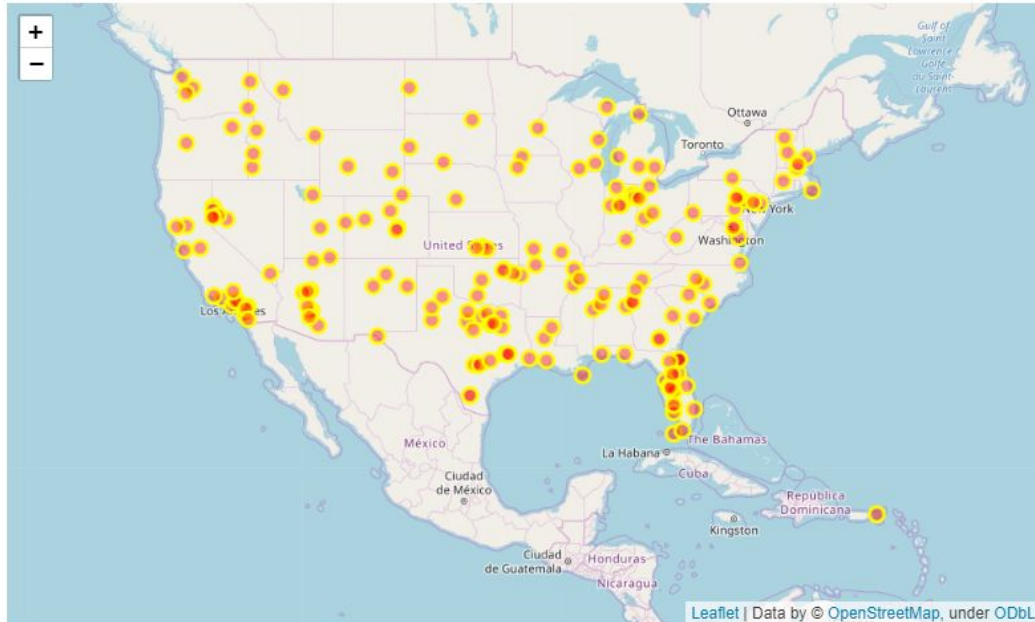
- Main Controller:
 - Read processed data
 - Distribute data to corresponding modules
 - Receive output value from modules and provide output
- Data Manager
 - Manage queries from user input
 - Process data upon request



Data Visualization(in progress)

- Data Visualization:
 - Take processed data as input from Data Manager
 - Provide visualization output with chosen form(Geographic map, histogram, etc)

Data Visualization(in progress)



- Visualization example of 200 random aviation accident in US.



Thank You