GUI FRAMEWORK

HOME SCREEN OF APPLICATION
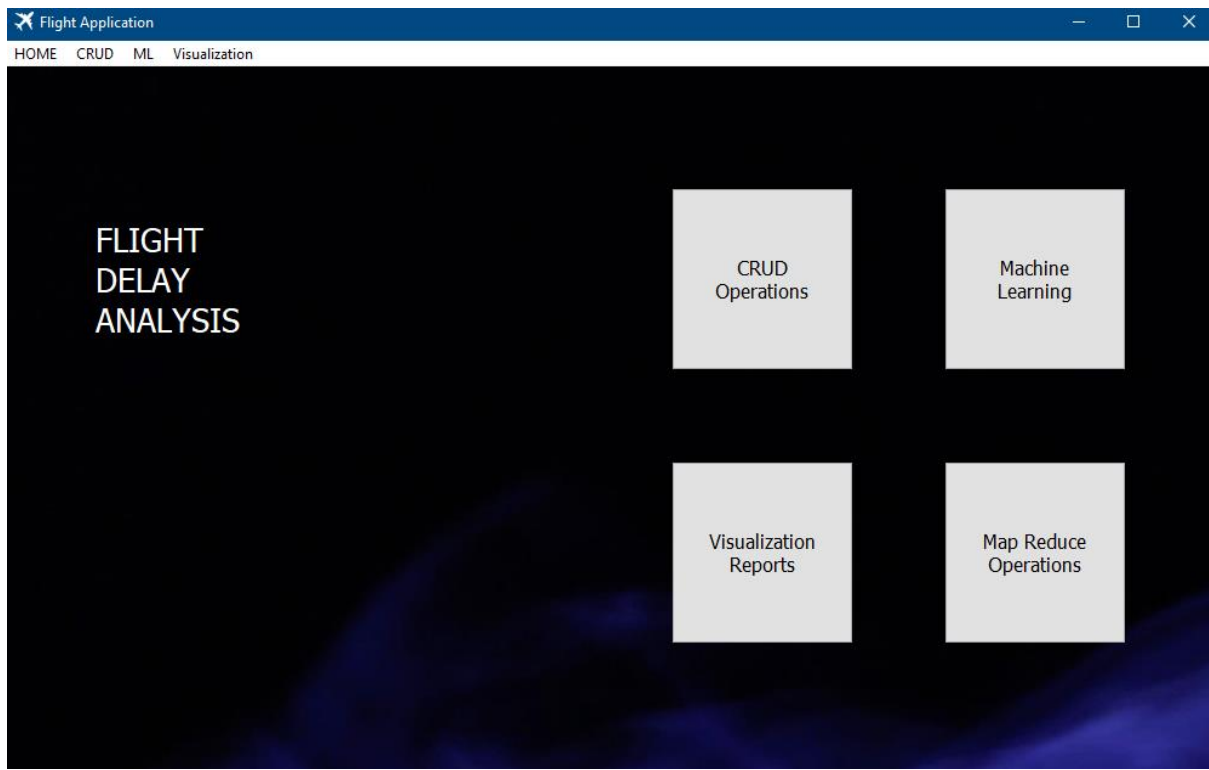
CRUD OPERATIONS
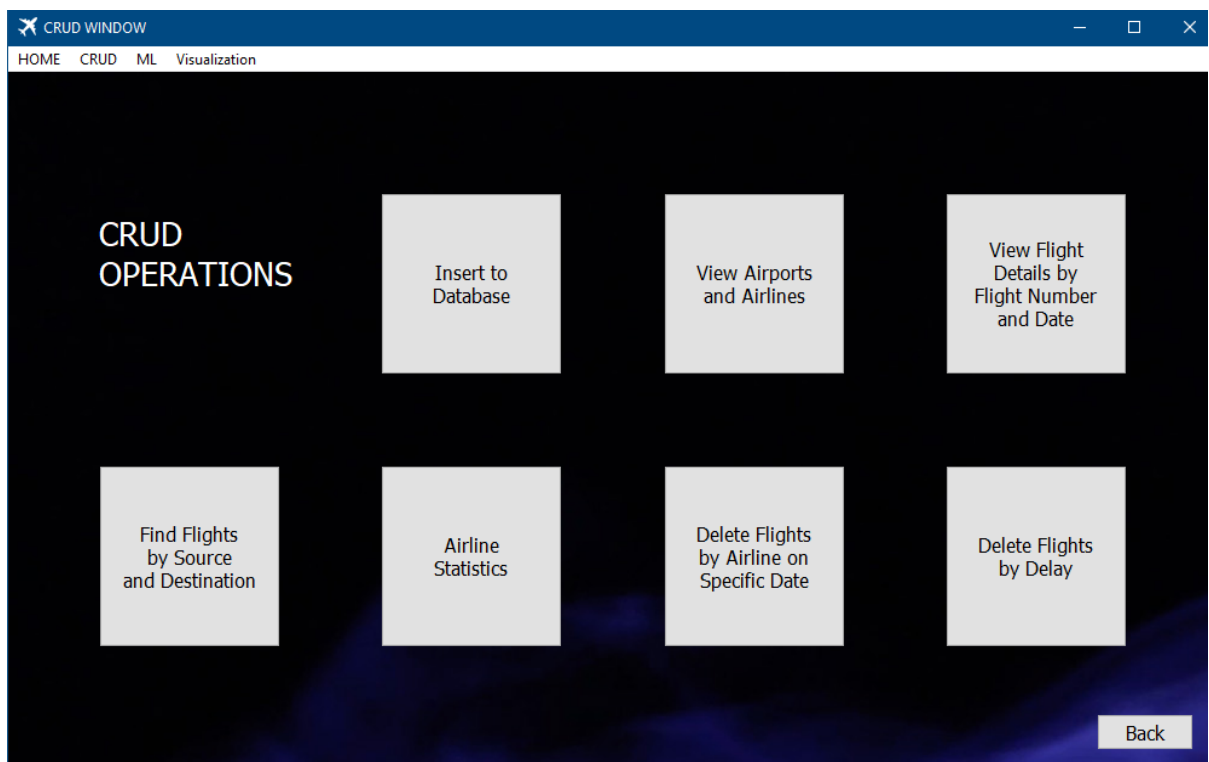
INSERT

READ/SEARCH

Find Flights by Source and Destination

Source
Hartsfield-Jackson Atlanta International Airport, Atlanta ▾

Destination
Detroit Metropolitan Airport, Detroit ▾

Day
Tuesday ▾

[View]

Flight No.	Airline	Sch Dept.	Sch Arr.
2158	DL	725	925
748	DL	910	1110
2352	WN	1030	1235
1640	DL	1050	1256
1260	DL	1205	1407
2221	DL	1355	1553

AIRLINE CODES

WN   Southwest Airlines Co.
DL   Delta Air Lines Inc.

Total Number of Flights :   6

[Back]

AGGREGATION FRAMEWORK

Airline Statistics

Airline
JetBlue Airways ▾

[Search]

23.0 minutes late on average

Minimum Delay: -41
Maximum Delay: 419

Cancelled : 2 in a week
Diverted : 2 in a week

[Back]

MACHINE LEARNING ALGORITHMS IMPLEMENTATION
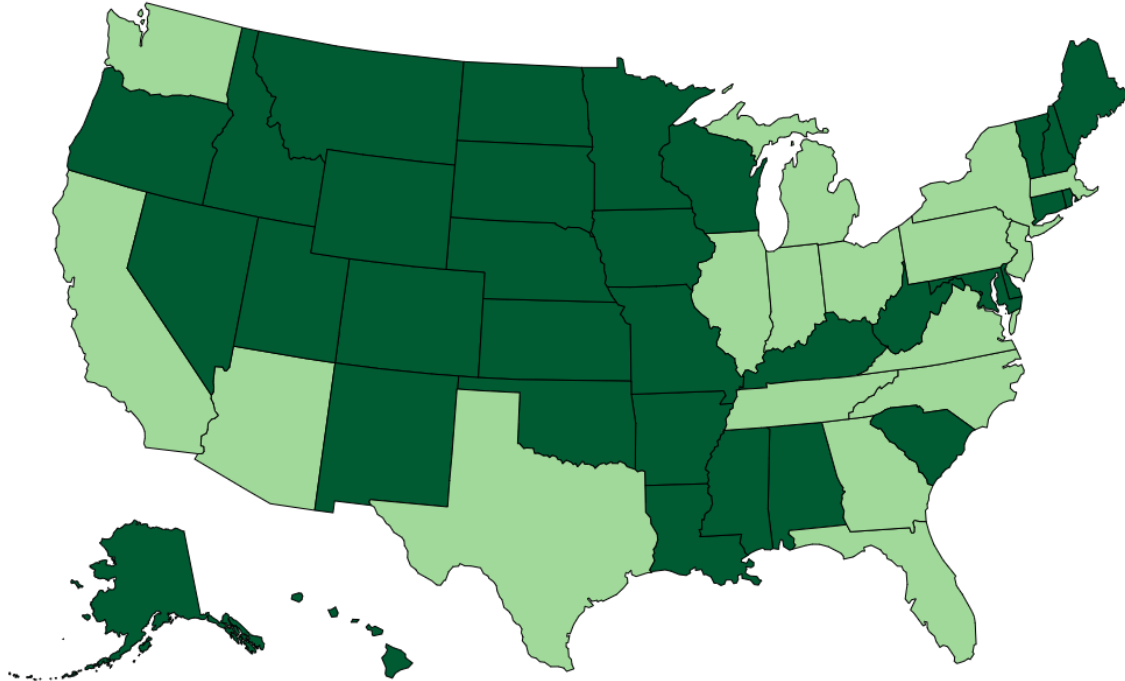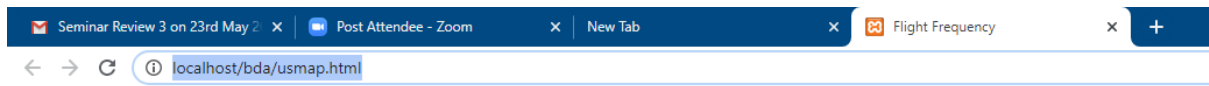

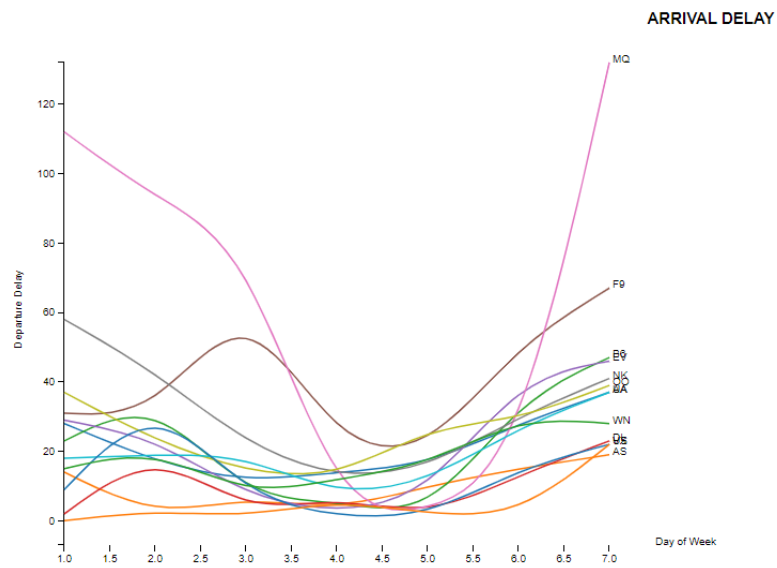# VISUALIZATION REPORTS

1. USING MATPLOTLIB
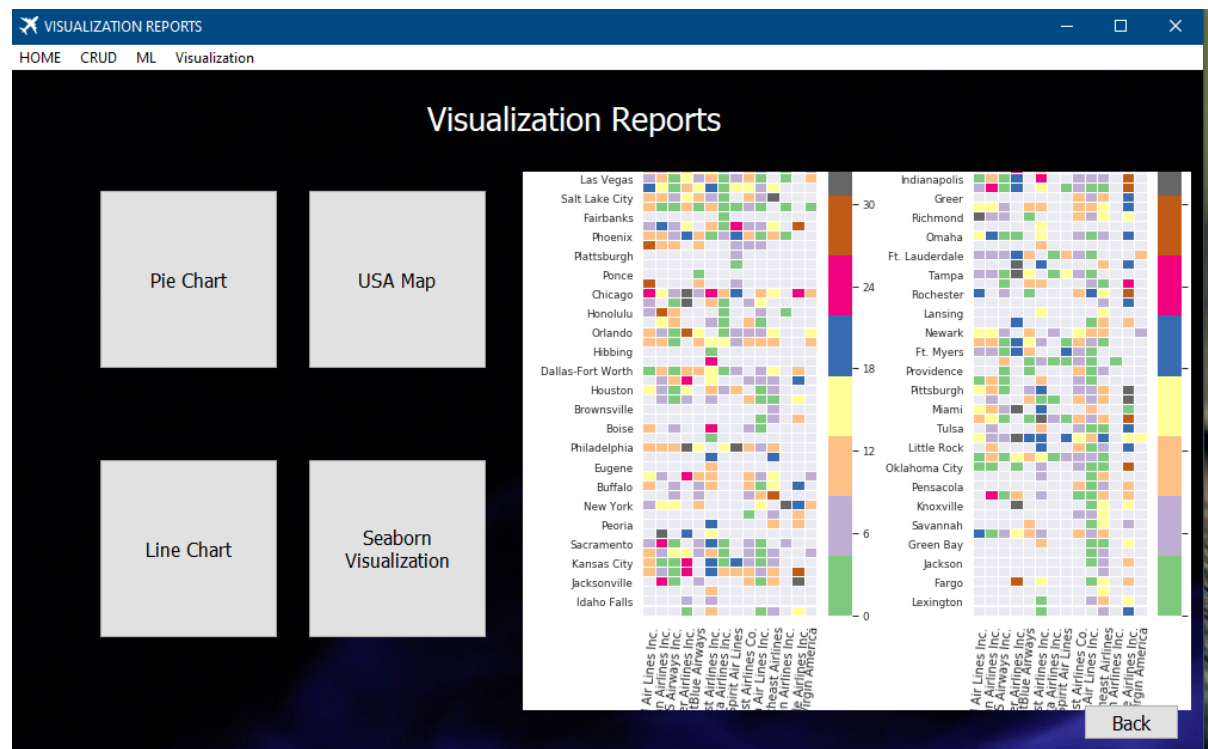
2. USING D3.JS

Distance Coverage
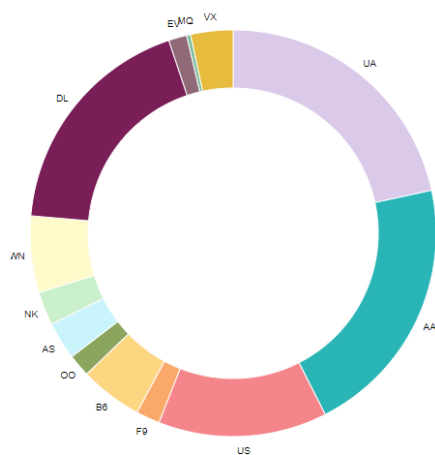
IATA_CODE	AIRLINE
UA	United Air Lines Inc.
AA	American Airlines Inc.
US	US Airways Inc.
F9	Frontier Airlines Inc.
B6	JetBlue Airways
OO	Skywest Airlines Inc.
AS	Alaska Airlines Inc.
NK	Spirit Air Lines
WN	Southwest Airlines Co.
DL	Delta Air Lines Inc.
EV	Atlantic Southeast Airlines
MQ	American Eagle Airlines Inc.
VX	Virgin America

localhost/bda/departure.html

DEPARTURE DELAY

localhost/bda/arrival.html

ARRIVAL DELAY

MAP REDUCE OPERATIONS