

# Project Project

Delayed Flight-Data Analysis

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# **Delayed-Flight Data:**

- Flight delays happen everyday but still remain a surprise occurrence
- Passengers never know / are worst affected
- Airlines mast delay track-records
- Airports do the same

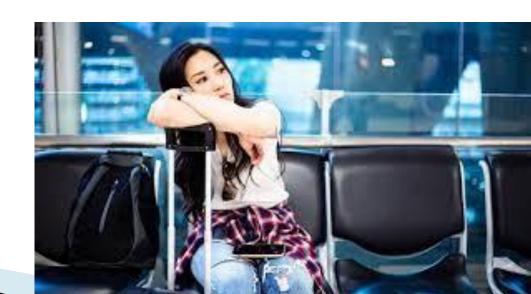
Could customers know in advance? Damage

limitation



# **The Project Task**

- Build a data pipeline feeding into a client dash-board to extract:
- Airports/Layovers to Avoid
- Airlines to Avoid
- Predict Flight Delay



## **The Data**

- 2015 Flights data from kaggle.com
- 5m records plus
- Airlines, Airports, Flights, Longitude & Latitude

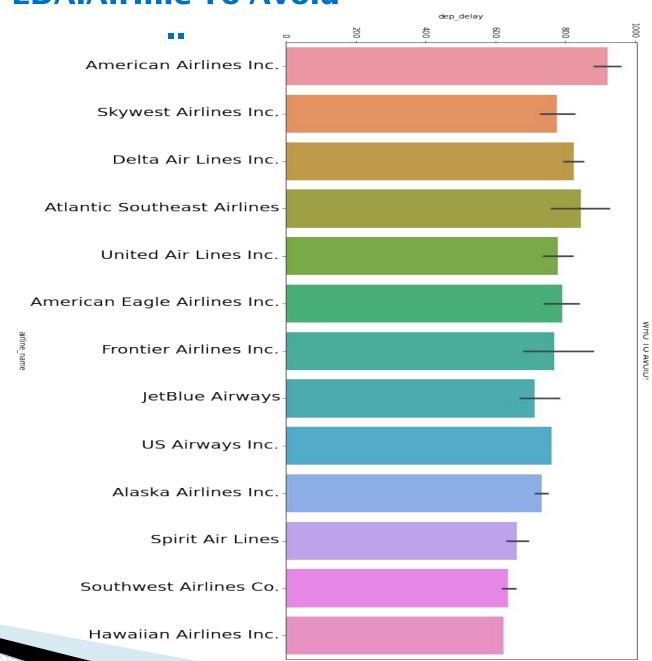


## **Tools**

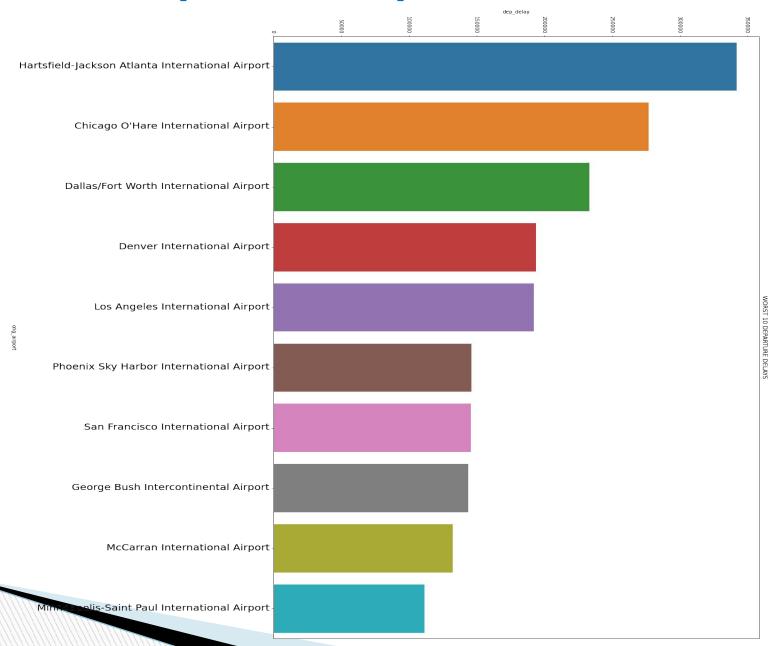
- Python: SQL,
- □ Pandas,
- Matplotlib, Seaborn
- Streamlit



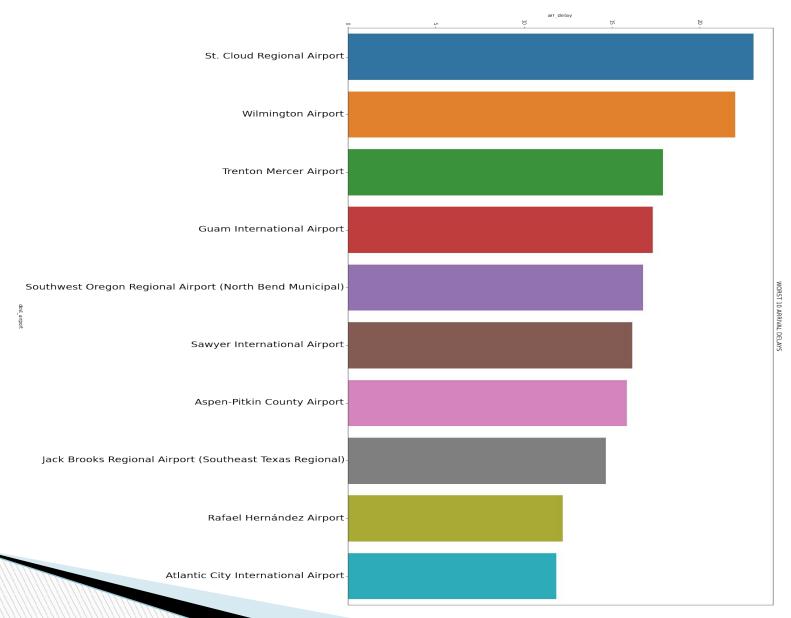
#### **EDA:Airline To Avoid**



#### **EDA: Worst Departure Delays**



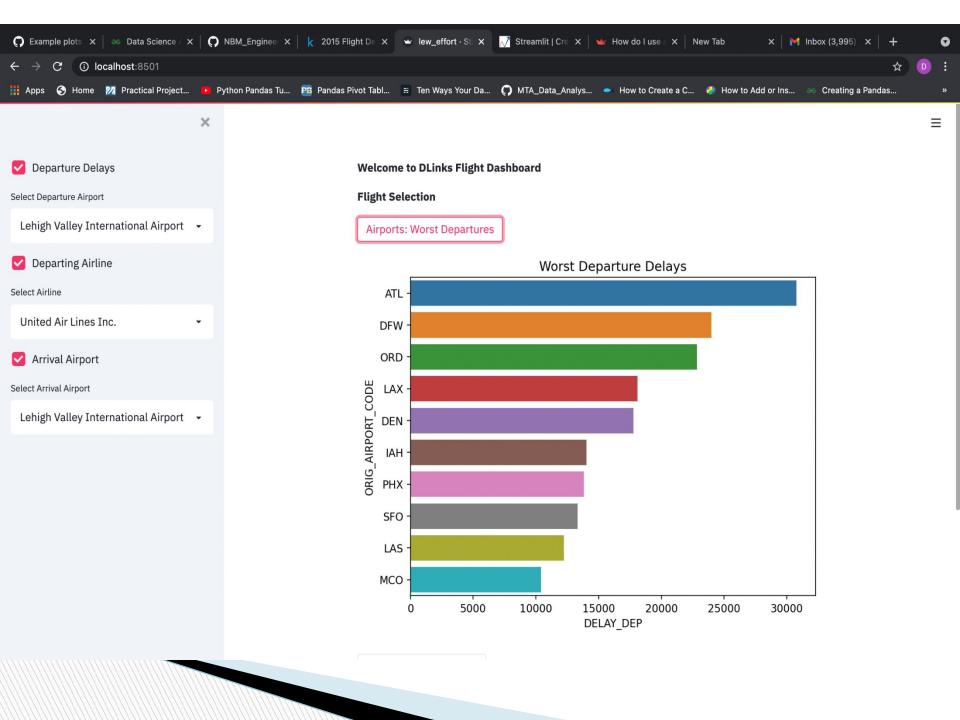
#### **Worst 10 Arrival Delays**

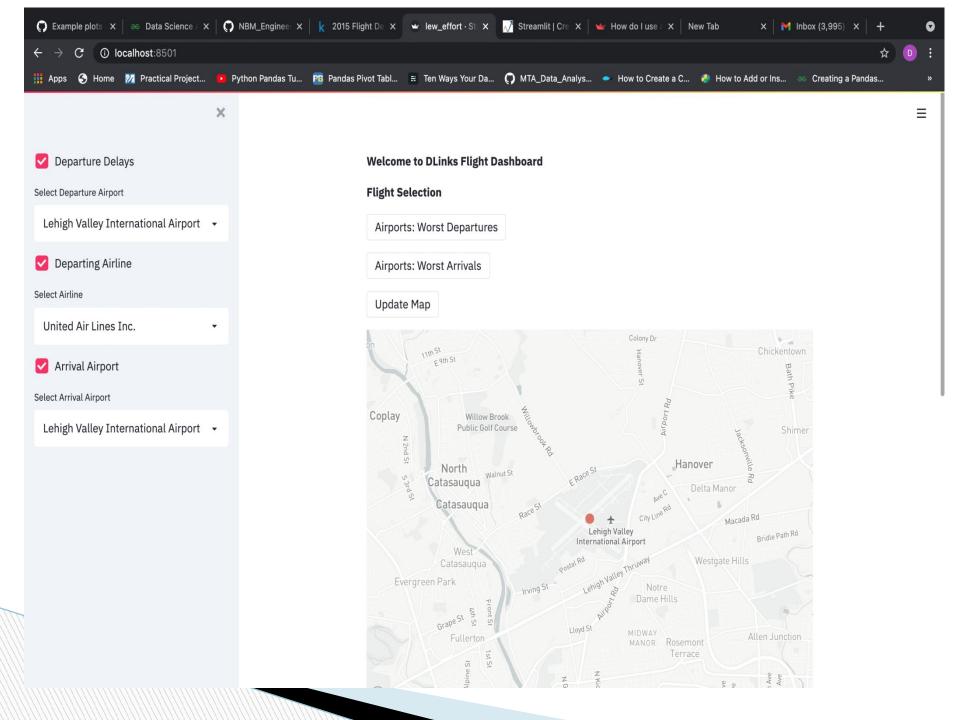


# App Demo...



Here goes.....





### conclusion and future work...

- Complete prediction utility
- Extract route-specific flight-delay patterns
  - Thank you.



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