

THE TEAM

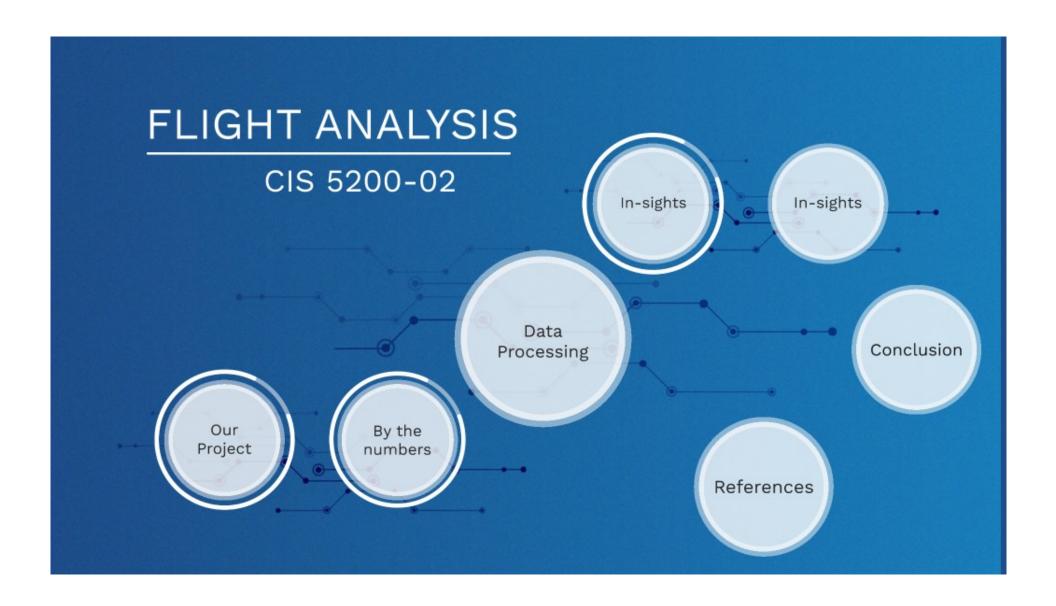
ANUPAM SAHAY (CIN: 305903512)

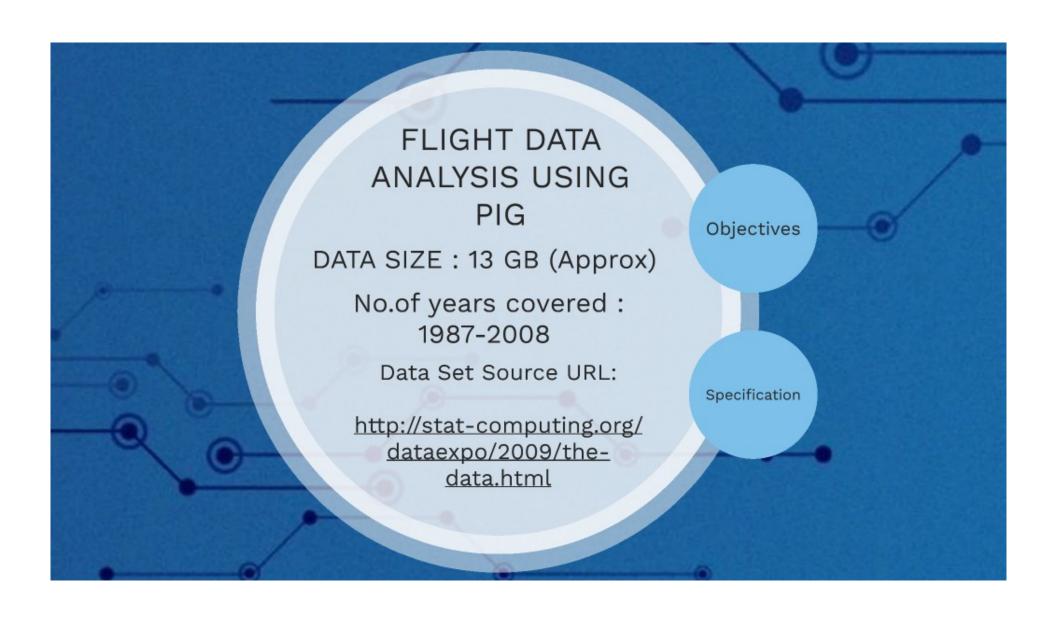
KRITHY NANAIAH ATRANGADA (CIN: 305903525)

NITESH KAMBOJ (CIN: 306601664)

SOHONG CHAKRABORTY (CIN: 306628834)

ZEESHAN KHAN (CIN: 306587325)





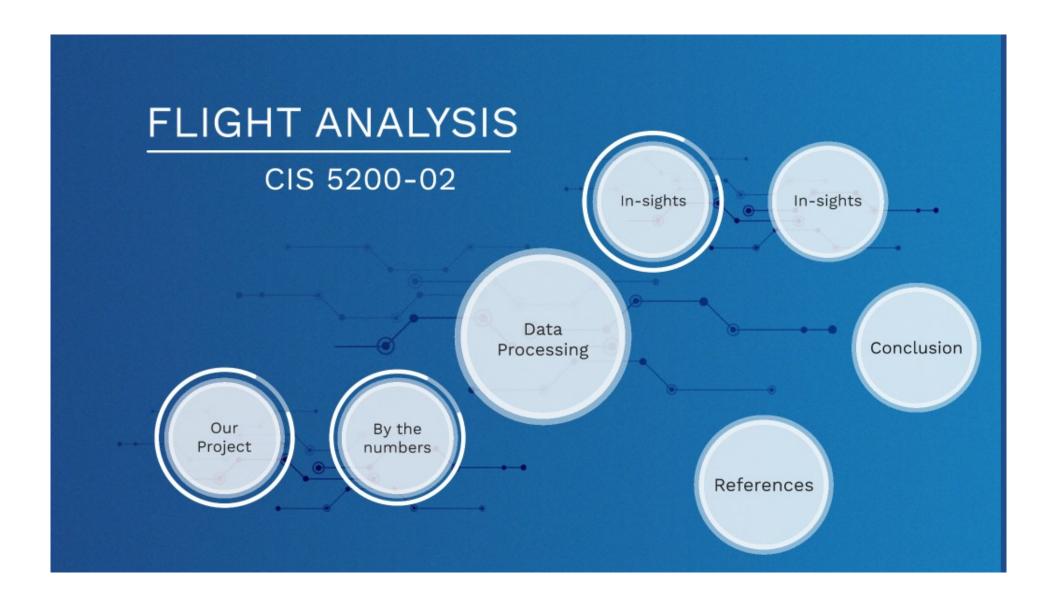
Objectives

Learn how to use Pig and Tableau to:

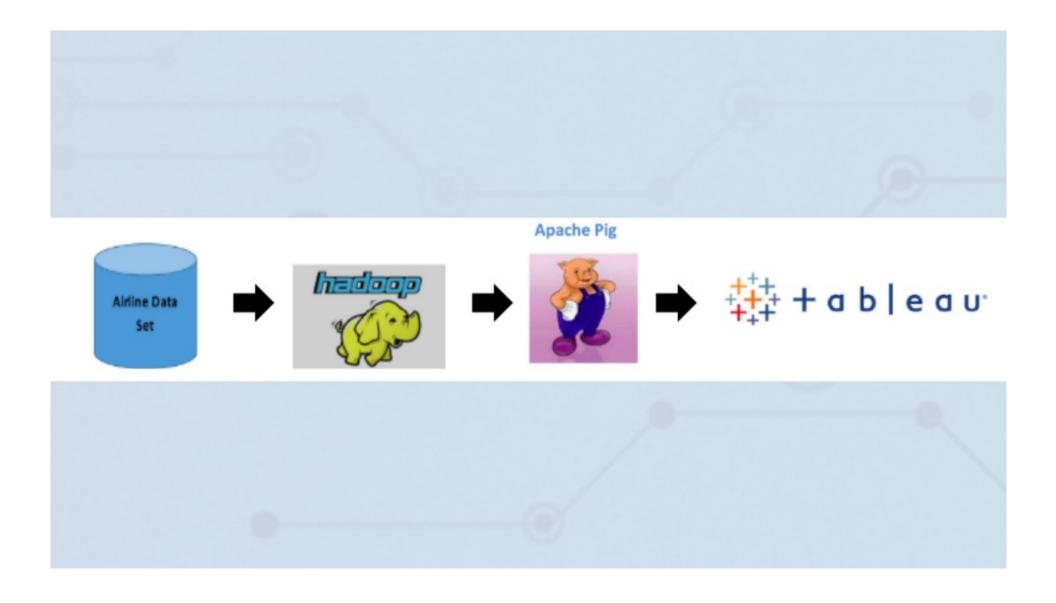
- Filter out the popularity of airline carrier which was most popular in 1987-2008
- · Visualize which top monthly outbound flights from all United States Airports.
- Busiest route from LAX (Los Angeles International Airport)
- Longest Flight in 1987 2008
- Average Delay >= 15 min for arrival & departure

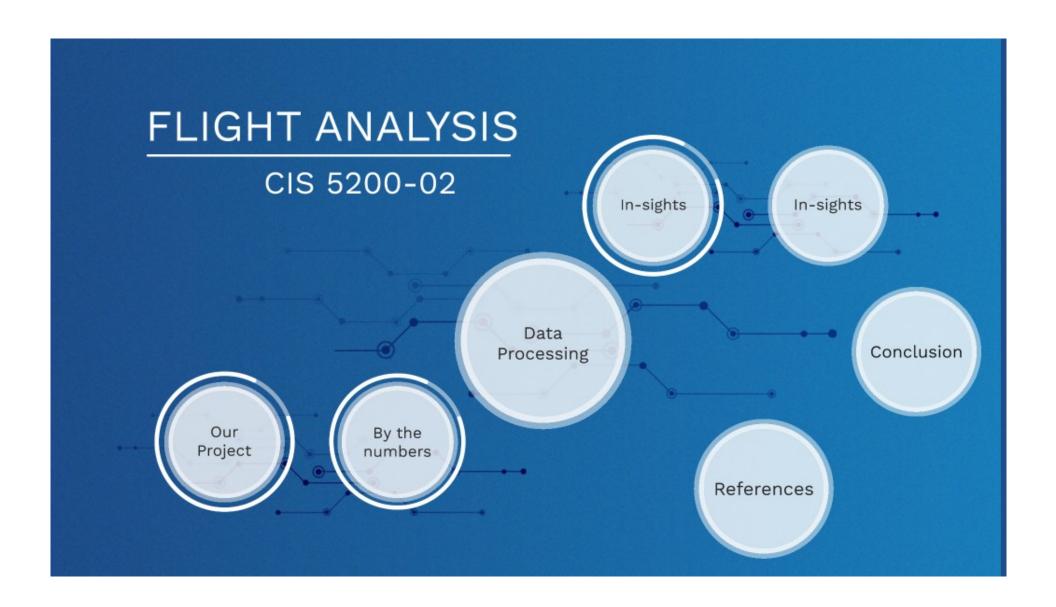
Specification

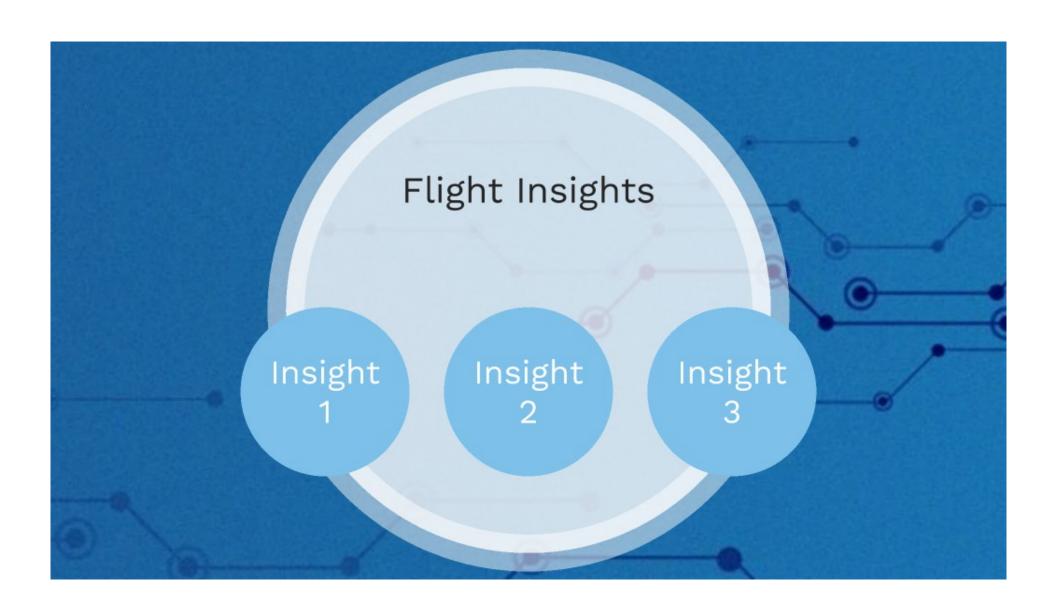
- Cluster Version: IOP 4.2
- Number of Management Nodes: 01
- Number of Data Nodes: 03
- Memory Size: RAM 48GB Management Nodes, RAM 24GB - Data Nodes
- Disk Size 1TB SATA





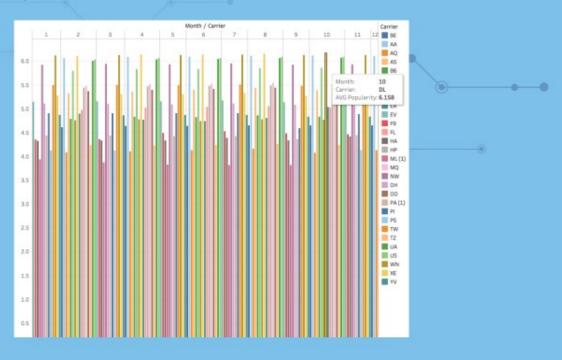


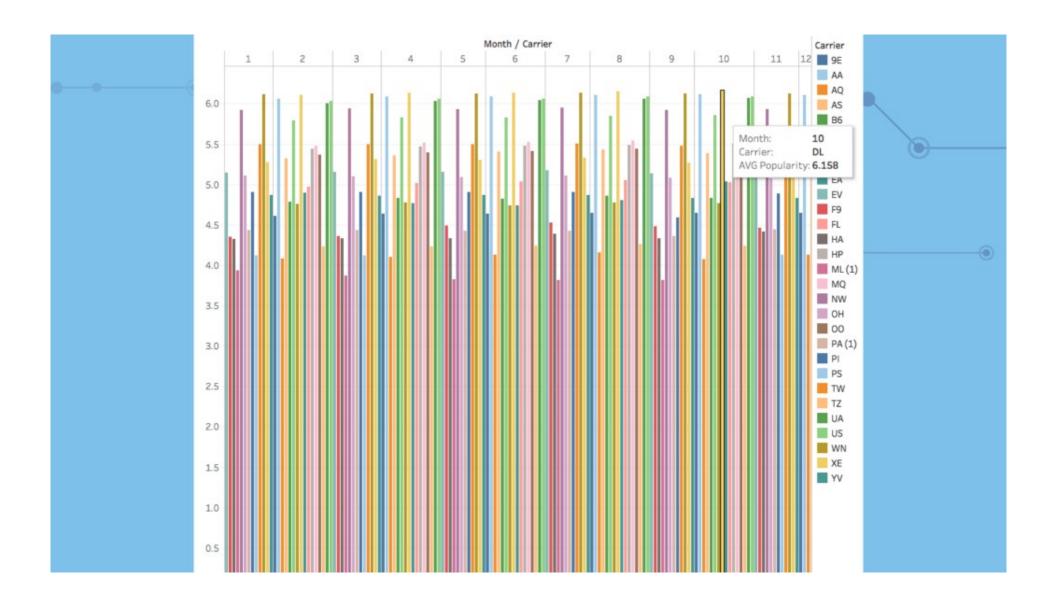




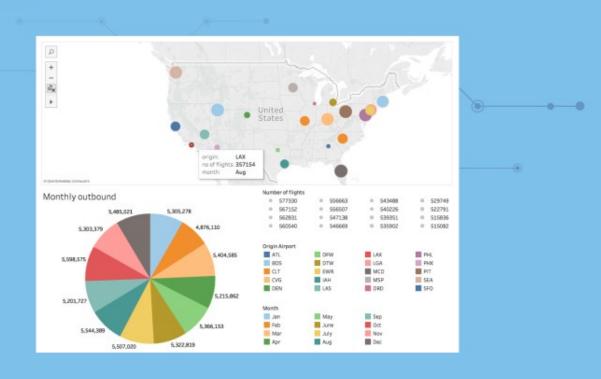
Airline Carrier which was the most popular in a given Year.

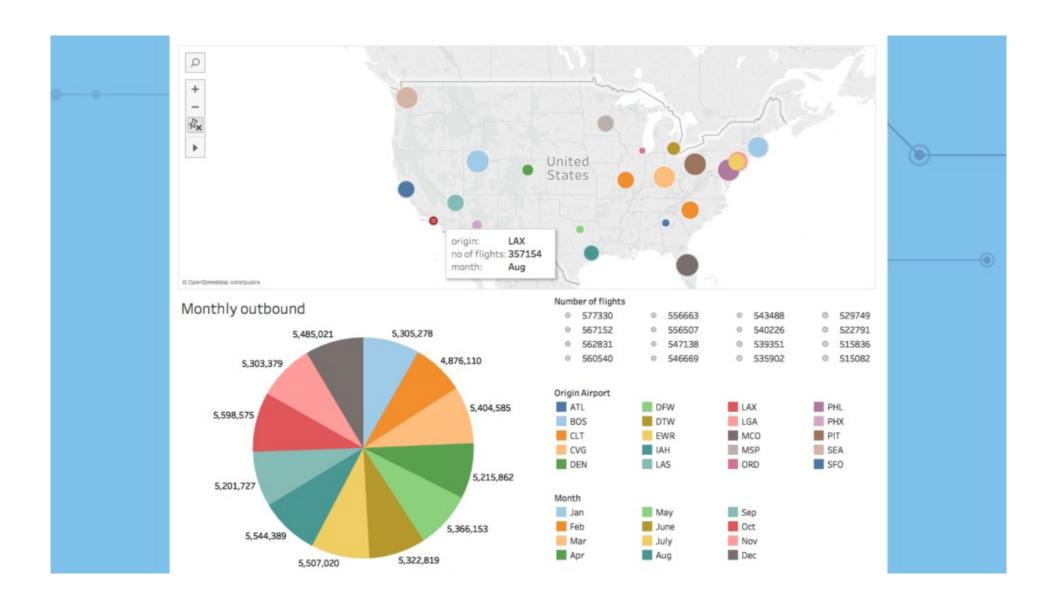
- > Flight Delta Airlines
- > Month October (1987-2008)
- > Avg Popularity 6.158



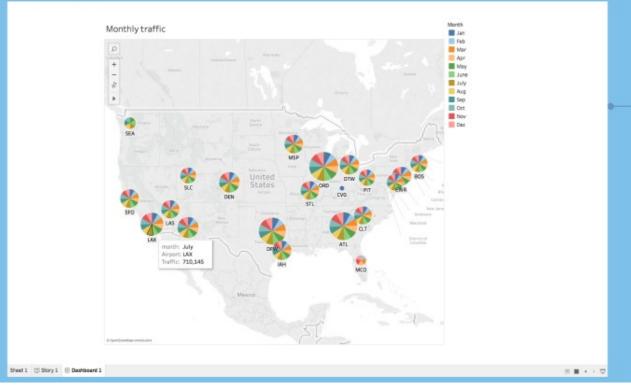


Outbound flights from Top 20 airports on departure basis > Timespan - 1987 to 2008

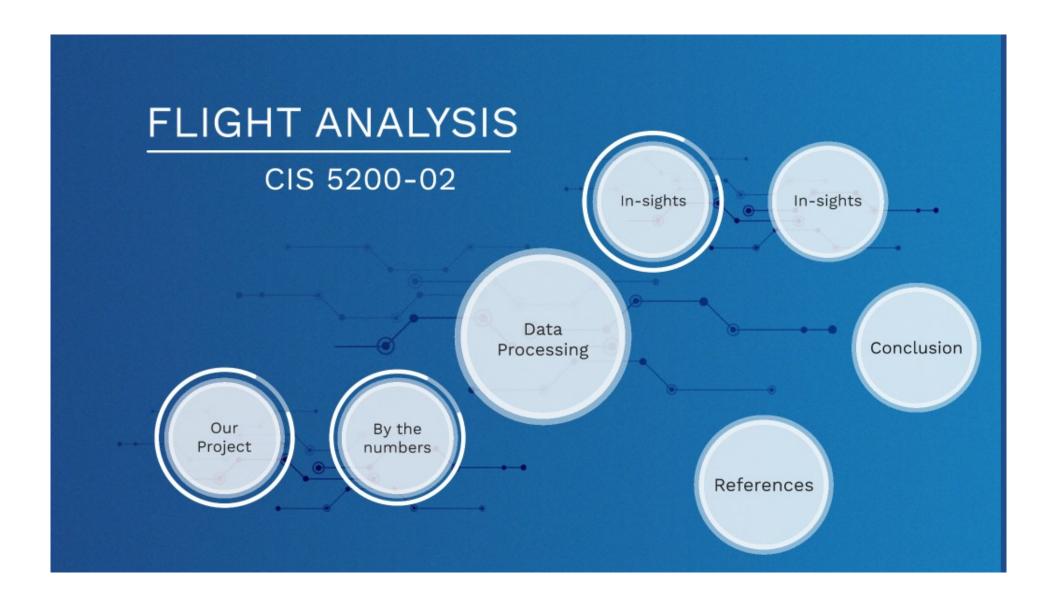


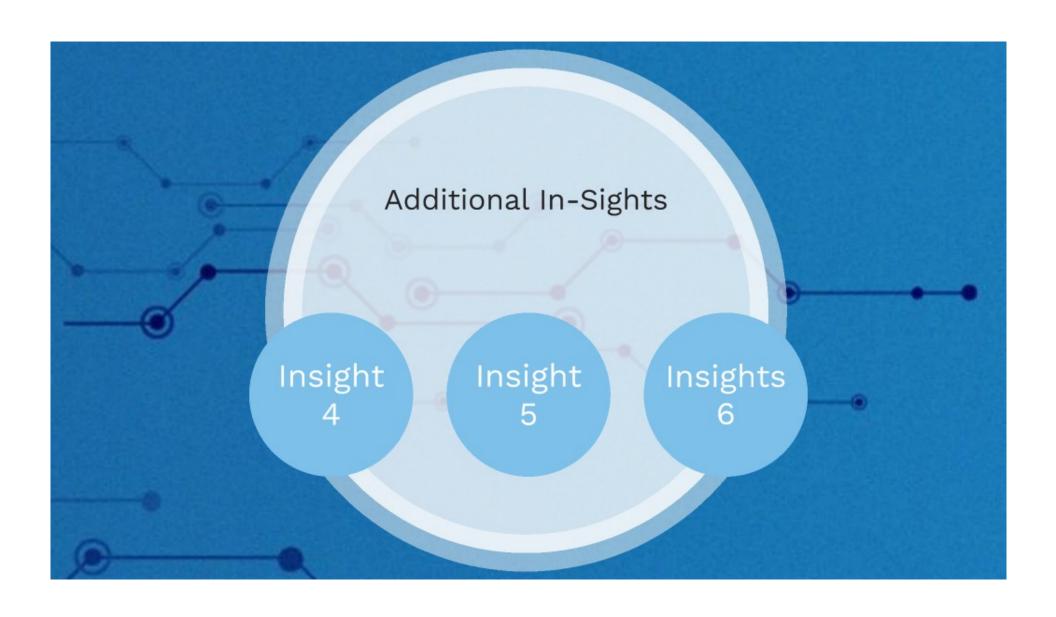


Total flights from Top 20 airports on monthly traffic basis > Timespan - 1987 to 2008

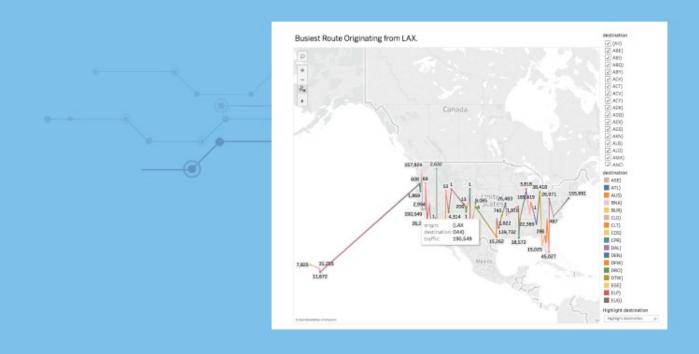


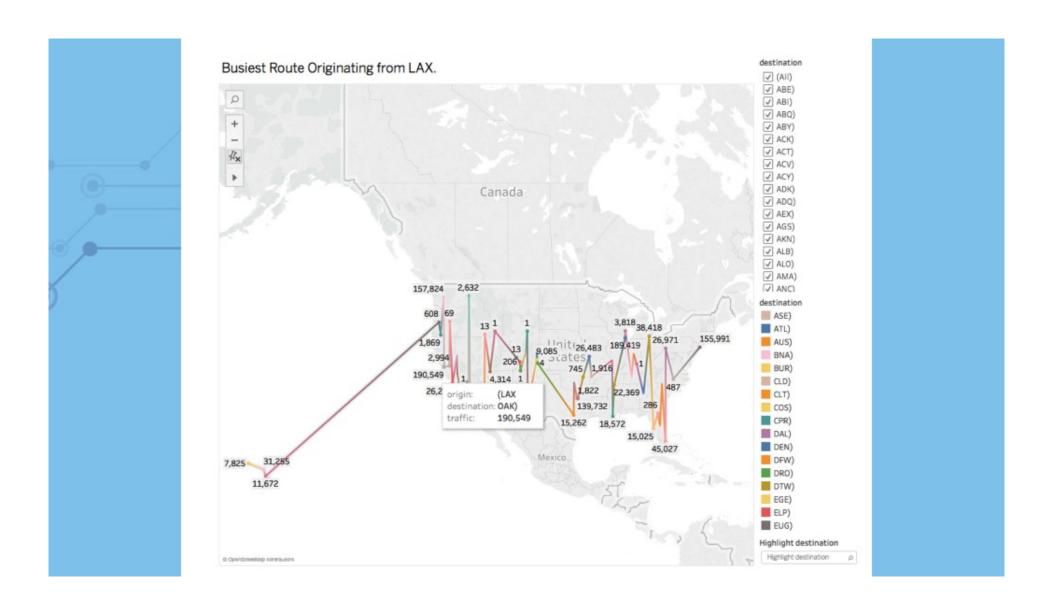




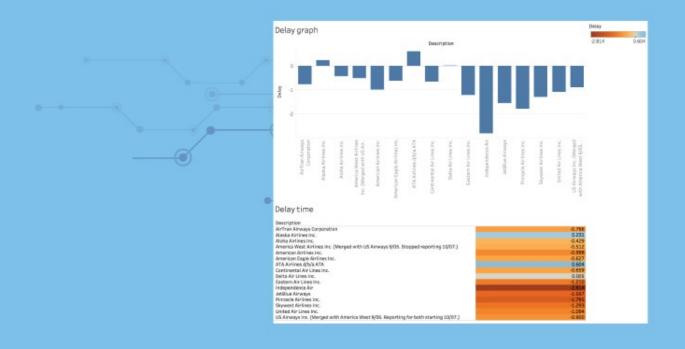


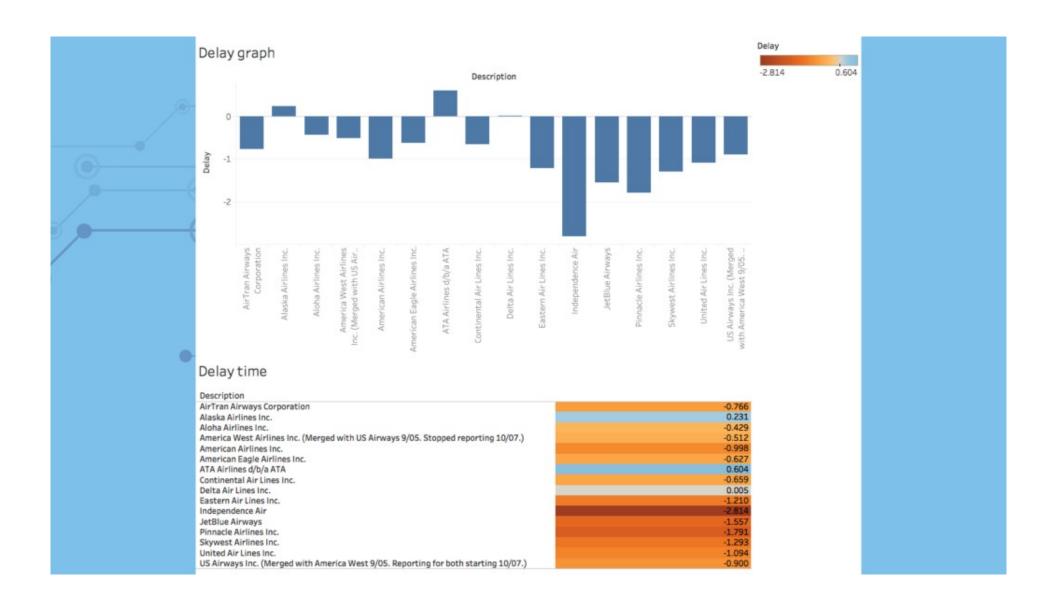
Total flights originating from LAX to other airports > Timespan - 1987 to 2008



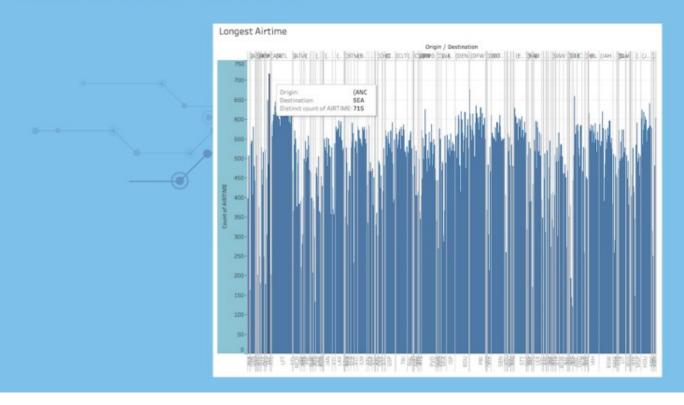


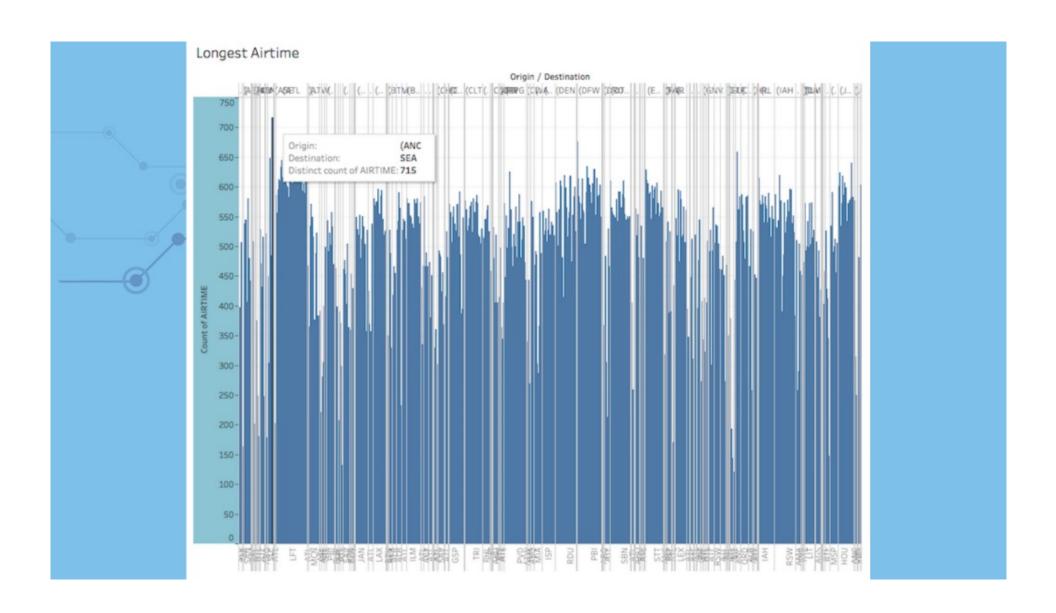
Carrier specific average delay (>=15 minutes)

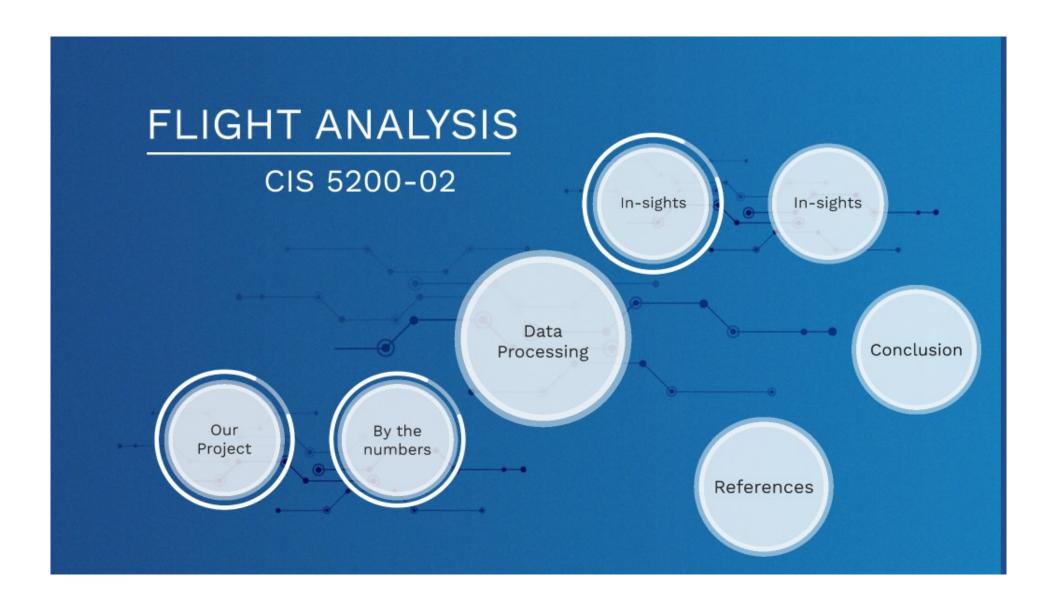


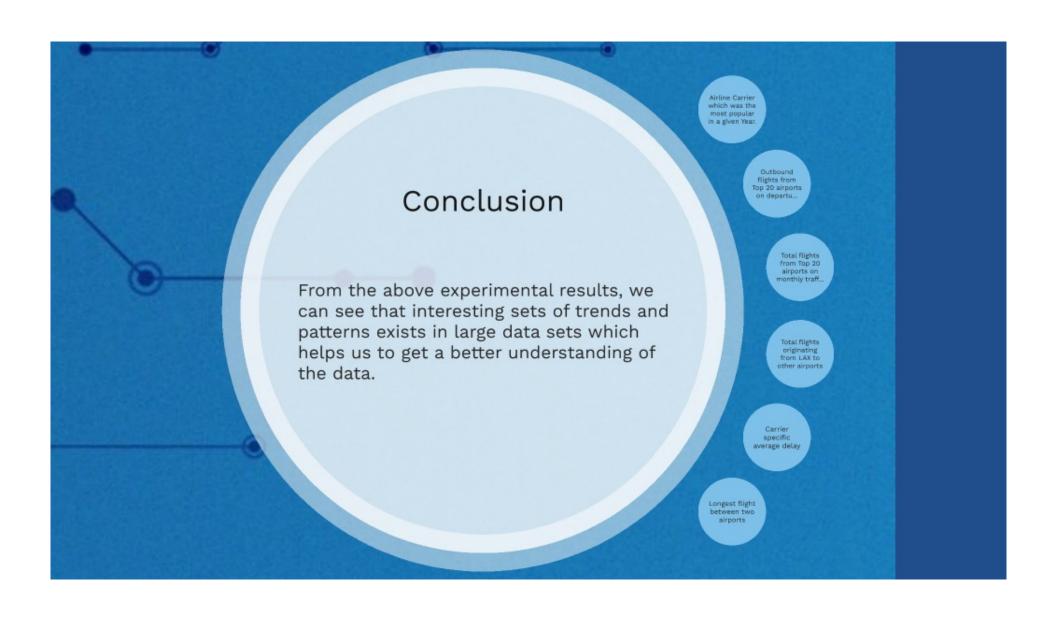


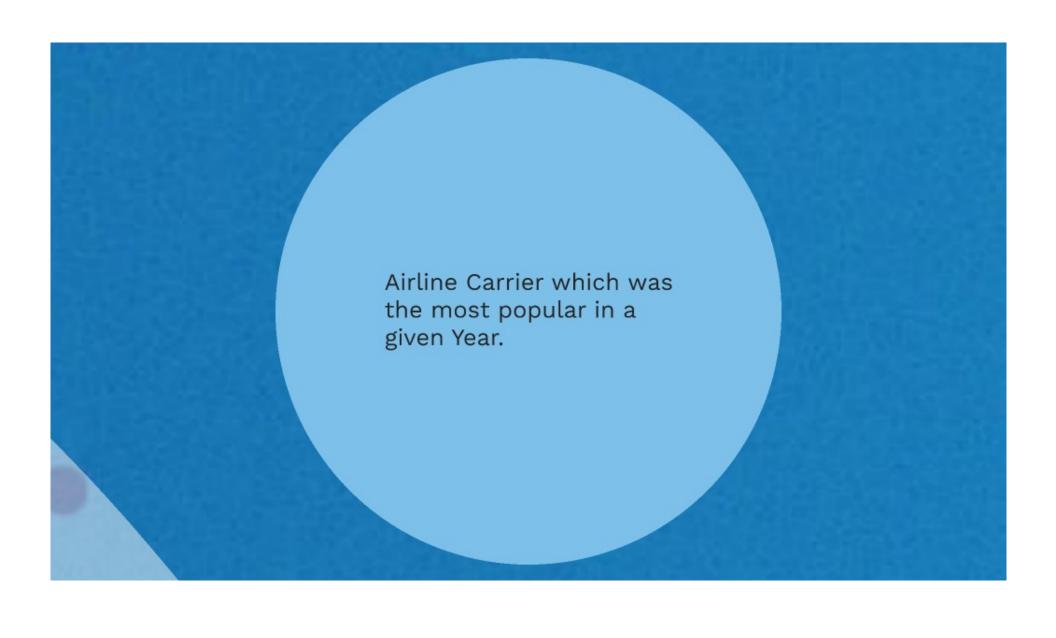
Longest flight between two airports

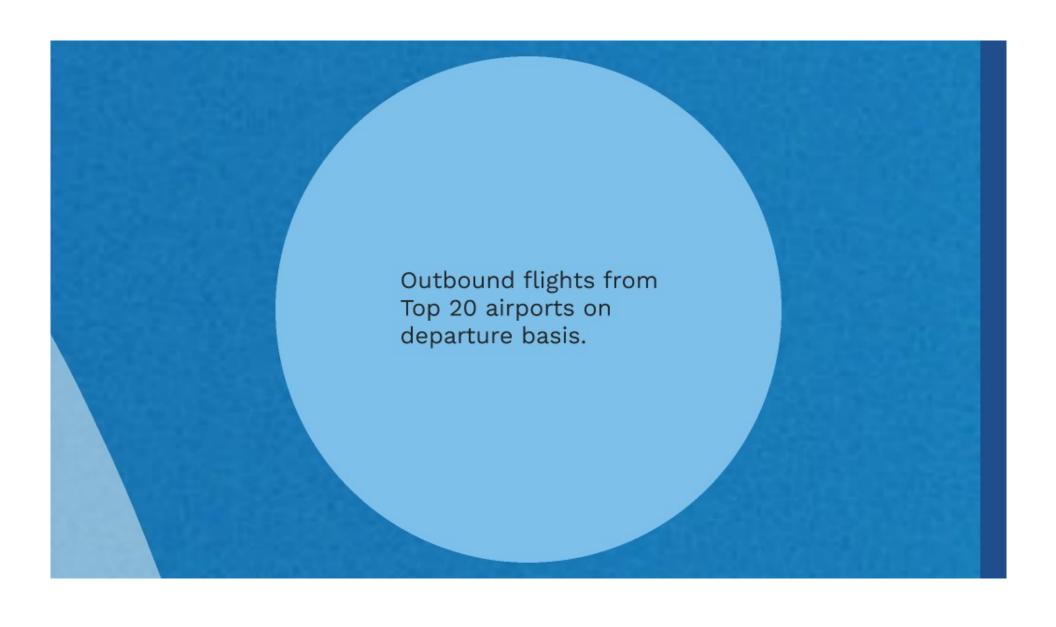






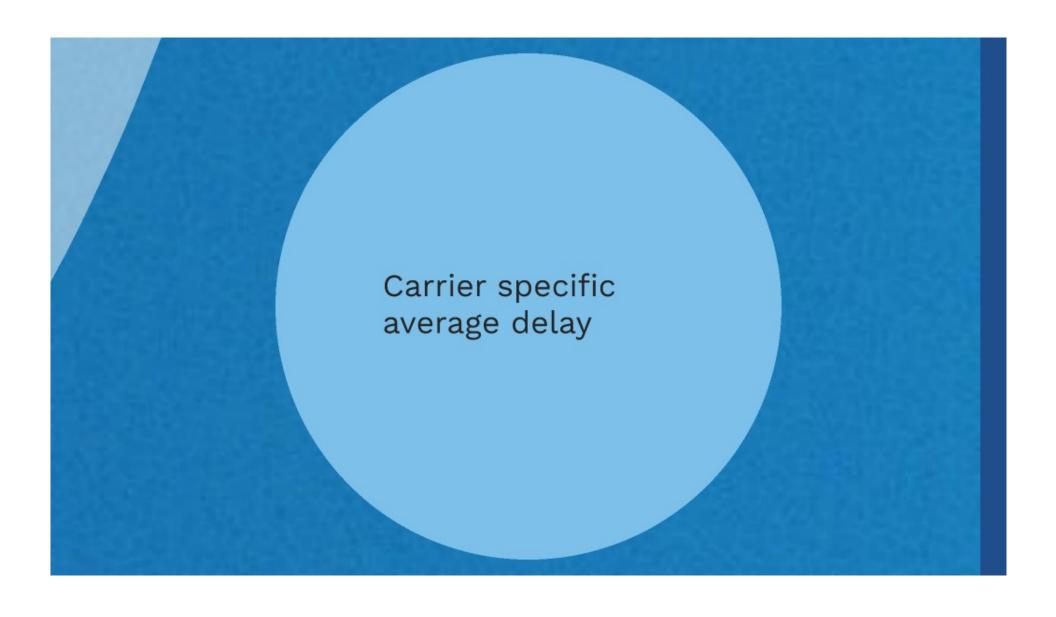


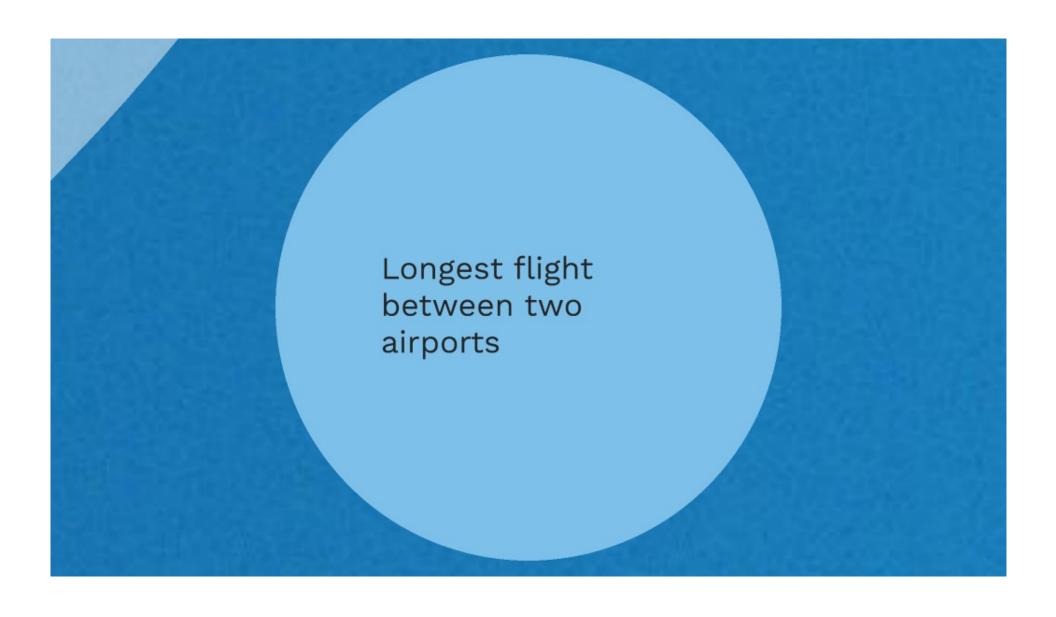


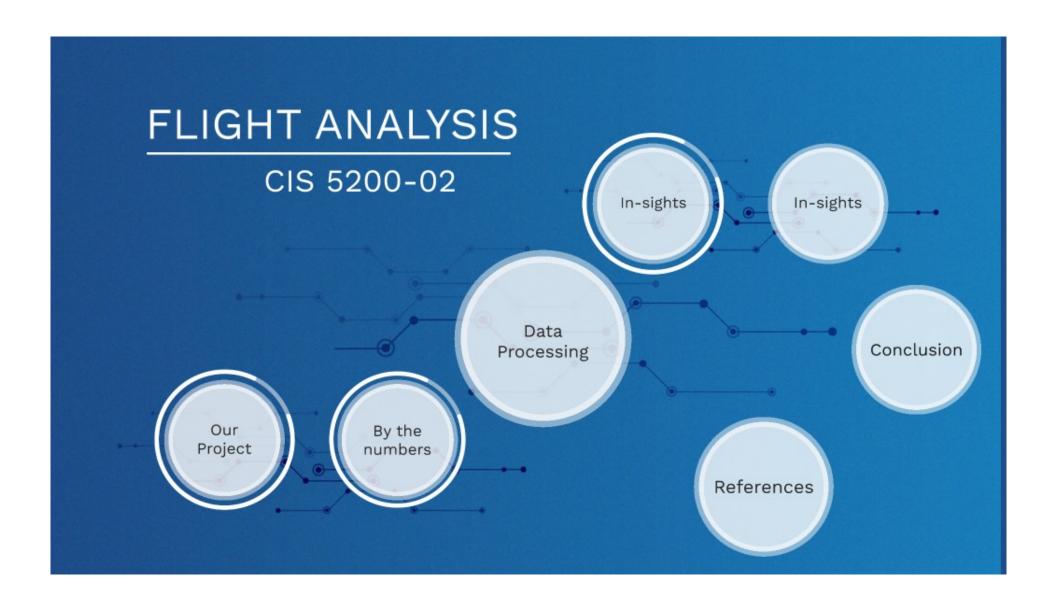












References

- Airline Data http://stat-computing.org/dataexpo/2009/the-data.html
- · Images Courtesy of Google
- Grand Data Source http://www.calstatela.edu/centers/hipic/related-site
- IBM Bluemix https://console.bluemix.net/
- GitHub Link https://github.com/Zeebag/5200Project.git
- Nillohit Bhattacharya and Jongwook Woo, "Airline Data Set Analysis using Big Data in Cloud Computing" in The 2017 Korea Society of Management Information Systems Spring Annual Conference (KMIS 2017), Chonnam University, Korea, June 6 - 9 2017

