

Midterm Deliverables

Objectives

Formally known as American Eagle, Envoy Air is American Airline's largest regional carrier, operating from Major hubs from Chicago O'Hare (ORD), Dallas/Fort Worth (DFW), and Miami (MIA). Due to the pandemic, the number of flights had decreased tremendously from March 2020 from around 27,000 to April 2020 to 14,00 flights. By December 2020, Envoy Air had only 150 destinations in North America.

Envoy Air's biggest competitor is Endeavor Air, operated by Delta Connection for Delta Airlines. Endeavor Air operates in major hubs from Atlanta (ATL), Detroit (DTW), Minneapolis-St Paul (MSP), and New York City (LGA and JFK). Since the outbreak of the COVID-19, flights have decreased from around 26,000 flights in March to 6,000 flights by April. By December 2020, Endeavor Air had 148 destinations in North America.

The scope is to compare Envoy Air and Endeavor Air to determine the airlines' performance based on the delays, cancellations, and the number of destinations that they fly.

Variable selection

To execute the scope of the project, the variable selections include on-time performance, origin, and destination, as well as the flight time. The on-time performance will show arrivals, departures, and flight time data. To be able to compare the airline operations, the data will consist of their origin and destinations.

Collaboration Plan

The project scope consists of data collection, sorting, merging, prototyping, basic visualization, error handling, backup, redundancy, and editing and report.

Charan will be responsible for data collection, data sorting, merging, prototyping, and error handling. Thampapon is responsible for basic visualization, backup, redundancy, and editing, and report.