information
[https://github.com/Haroldinho/nasa_airport_throughput2024] Harold Nikoue, Second Author Atlanta, GA – November 16, 2024

DATA EXPLORATION

November 16, 2024

EXPLORATORY DATA ANALYSIS: DATA CONTENT

- FUSER
  - Configs Data Set (D-ATIS Data)
  - Runways Data Set (Arrival Departure Detection)
  - First Position Data Set
  - TBFM Data Set (Time-Based Flow Management Data)
  - TFM Track Data Set (Traffic Flow Management Data)
  - ETD Data Set (Estimated Time of Departure)
  - LAMP Data Set (Local Aviation MOS Program Data)
  - MFS Data Set (FAA SWIM Feeds)
- METAR
- Terminal Aerodrome Forecast (TAF)
- Convective Weather Avoidance Model (CWAM)

FUSER

- FUSER dataset consists of 8 types of CSV files, each providing various flight and airport-related data
- Files are named using the format {airport}_date_range.{file_type}_{data_set}.csv
- Data is broken down between test and training set

FUSER TRAINING DATA

- Data is broken down by airport
    - KATL
    - KCLT
    - KDEN
    - KDFW
    - KJFK
    - KMEM
    - KORD
    - KPHX
    - KSEA
- location: FUSER_train_{airport}/{airport}/{airport}_{year}-{month}-{day}_{year}-{month}-{day}.{data_set}
- For each day, we have one of the 8 datasets listed above (configs_data_set, runways_data_set, first_postion_data_set,

FUSER DATA SETS

- configs_data_set: Contains airport configuration and weather details extracted from D-ATIS messages, used for understanding airport configurations.
- runways_data_set