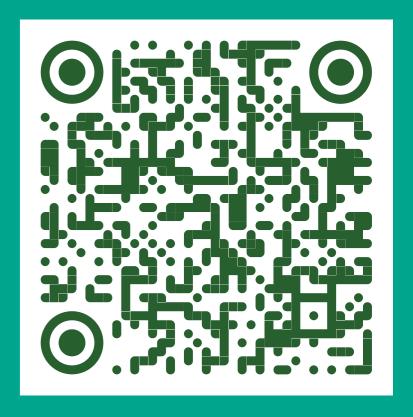
Air Traffic Disruptions Statistical Web Visualiser



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Motivation

- Daily there are thousands of flight disruptions
- Schedule Change, Flight Cancel, Flight Replacament, Flight Split
- Statistics of these flights are hard to calculate

BUZZ | Find flights, airports and more | The standard | Trender |

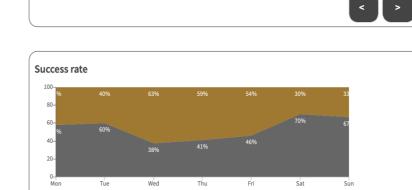
Figure 1: FlightRadar24.com

Aim of Work

Results

- Create application which visualises disruptions statistics
- App focuses on data selections and displaying of raw data
- Mock-up composes out of filter bar and proposed graphs

Carrier CarrierNumber Source Destination Fetch data Sourceof disruption Status of disruption Booking ID PNR Date created Parsing date Automatic vs manual Types of disruptions Automatic vs manual 42% 55% 55%



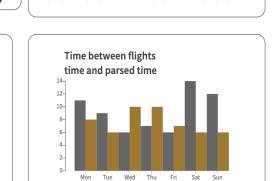


Figure 2: Mock-up

Time between parsing and flight departure Tailed supped automatic automatic

Success rate of automatic vs failed vs skipped parsing over tim

Figure 3: Success rate and parsing pre-flight

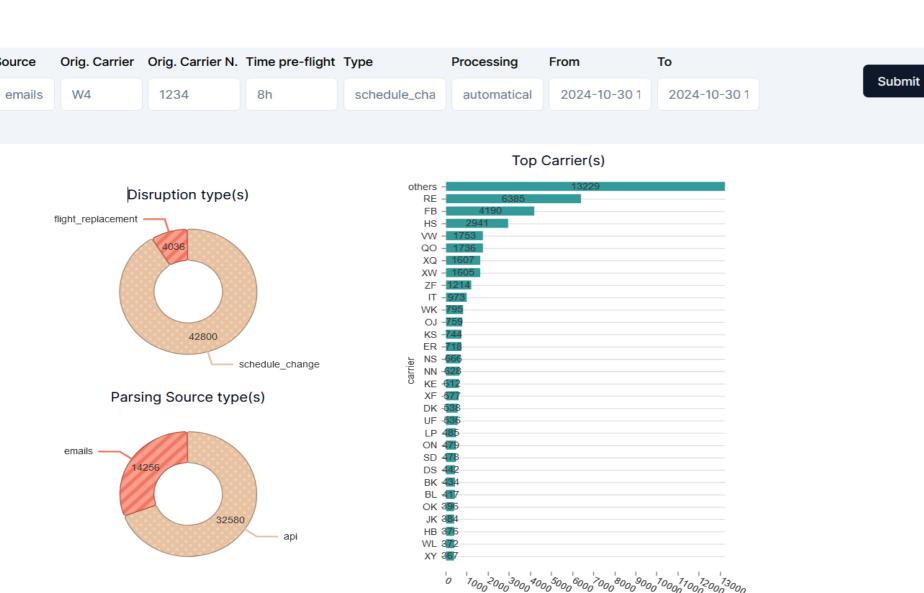


Figure 5: Pie and bar graphs

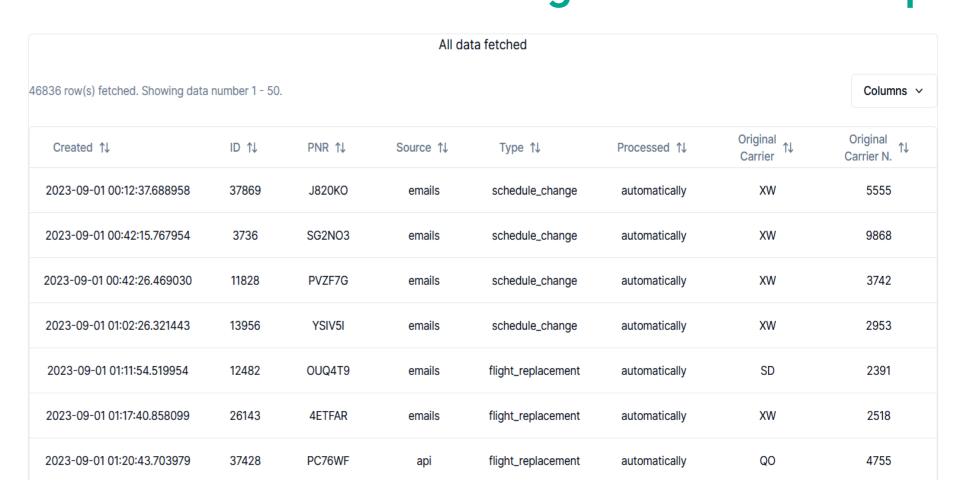


Figure 4: Fetched raw data

- App creates filter for provided data set
- Upon submitting it creates statistically analysed data for frontend
- Data are shown in interactive graphs. Simply clicking on value in graphs will filter data that you want!





