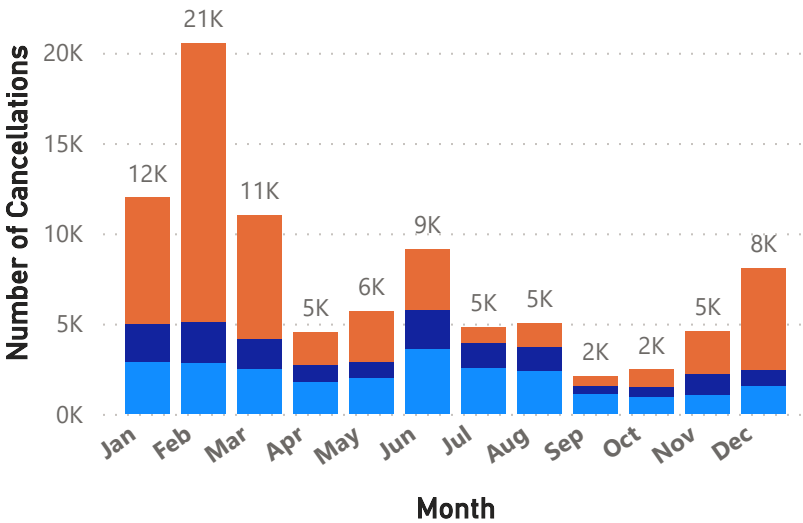


2015 Flight Delays and Cancelations Analysis

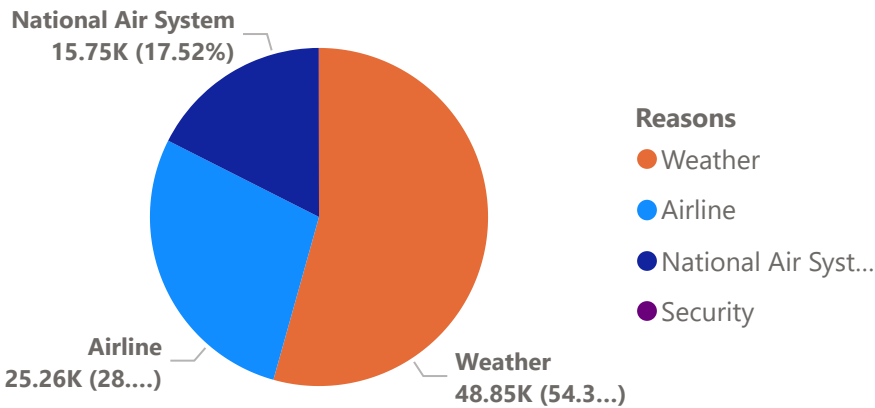
Number of Cancellations Monthly

Reasons Airline National Air System Weather



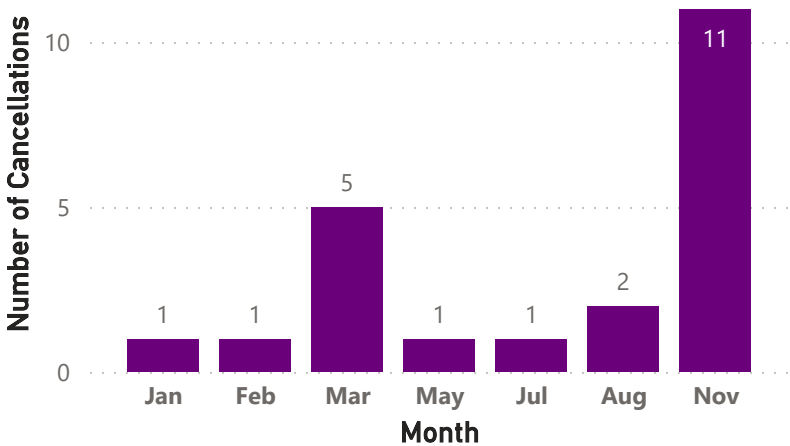
Delays, Cancellations and Analysis

Cancellation Reasons Breakdown



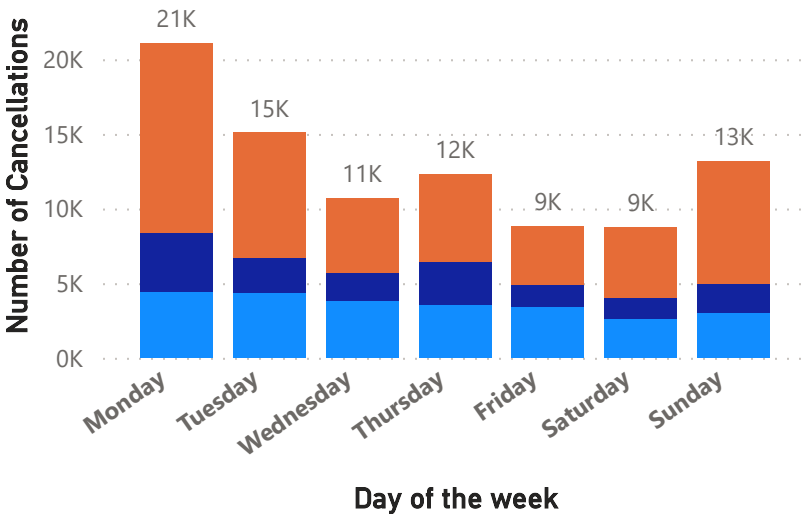
Number of Cancellations due to Security Reasons

Reason Security



Number of Cancellations per Day Of Week

Reasons Airline National Air System Weather



Total Number of Cancellations

89884

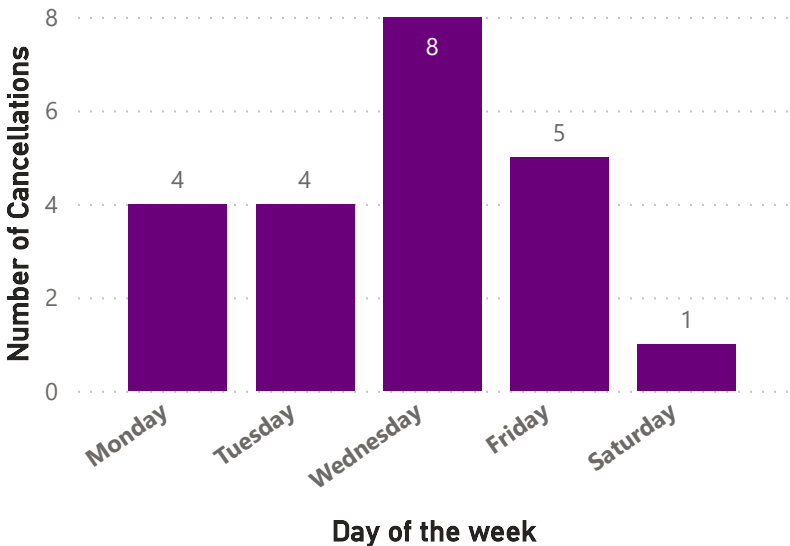
Total number of Cancellations

Points

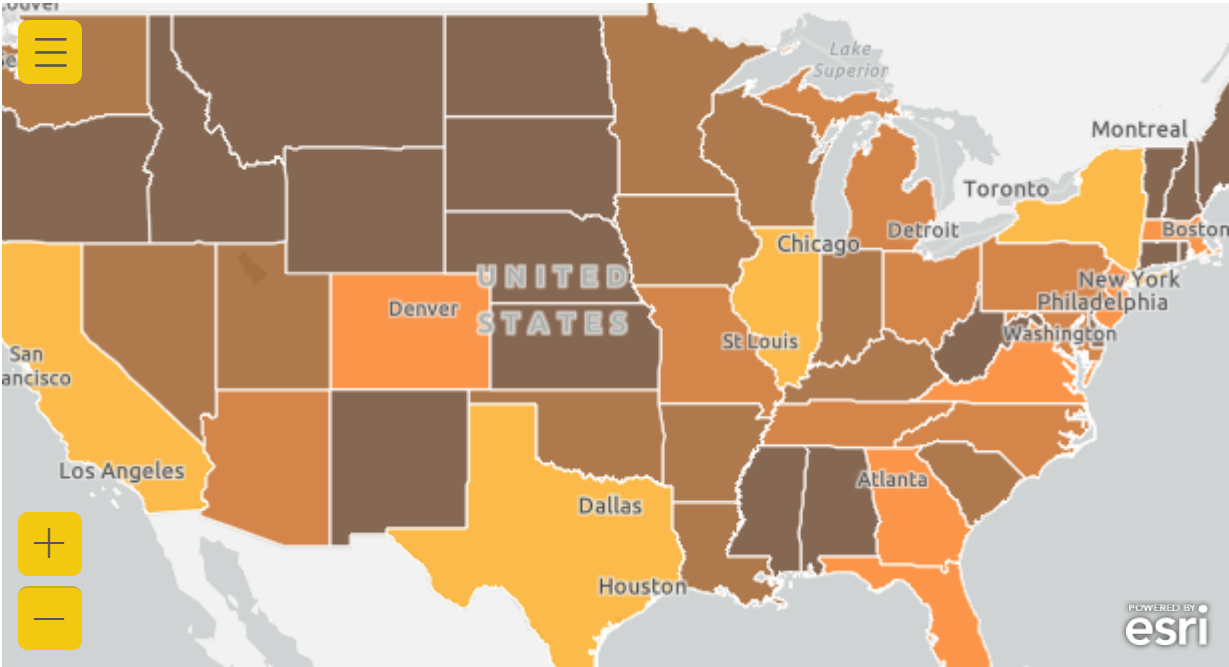
- There were a total of 89884 flight cancellations in 2015
- Weather had the highest total at 48851 as reason for cancellation of flights, followed by Airline issues at 25262 and National Air System issues at 15749. Weather accounts to 54.35% of flight cancellations.
- Highest number of flight cancellations took place in the month of February . It makes up 17.9% of total cancellations.
- Maximum cancellations are observed on a Monday.

Number of Cancellations due to Security Reasons

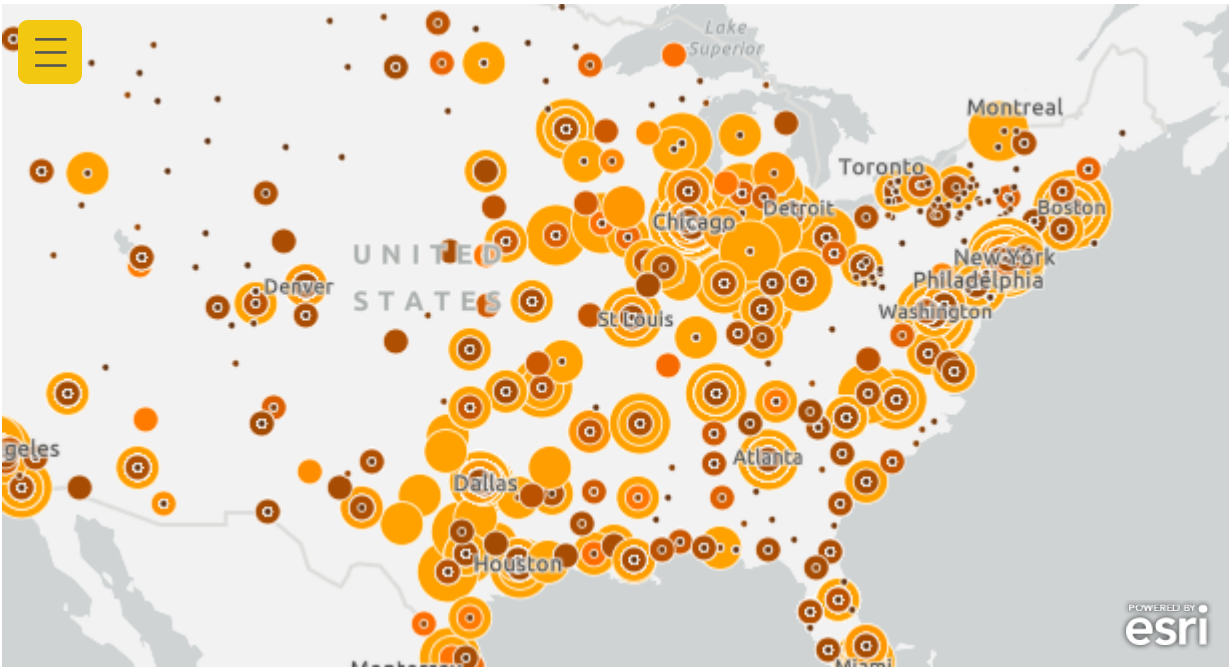
Reason Security



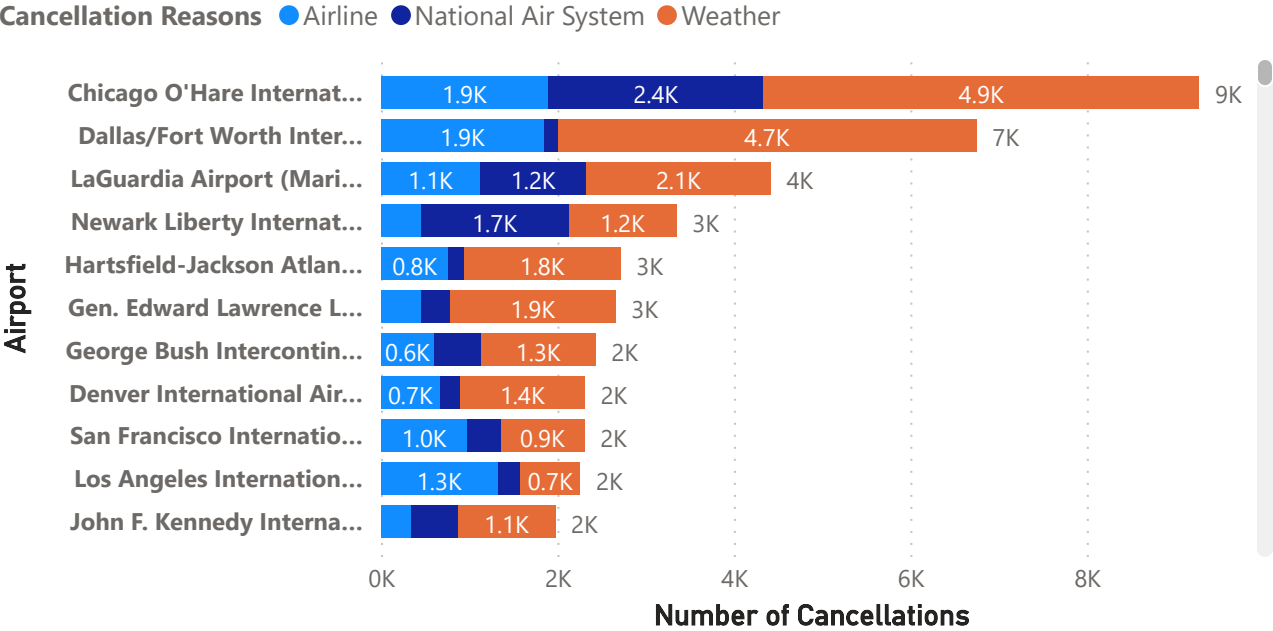
Number of Cancellations in every State



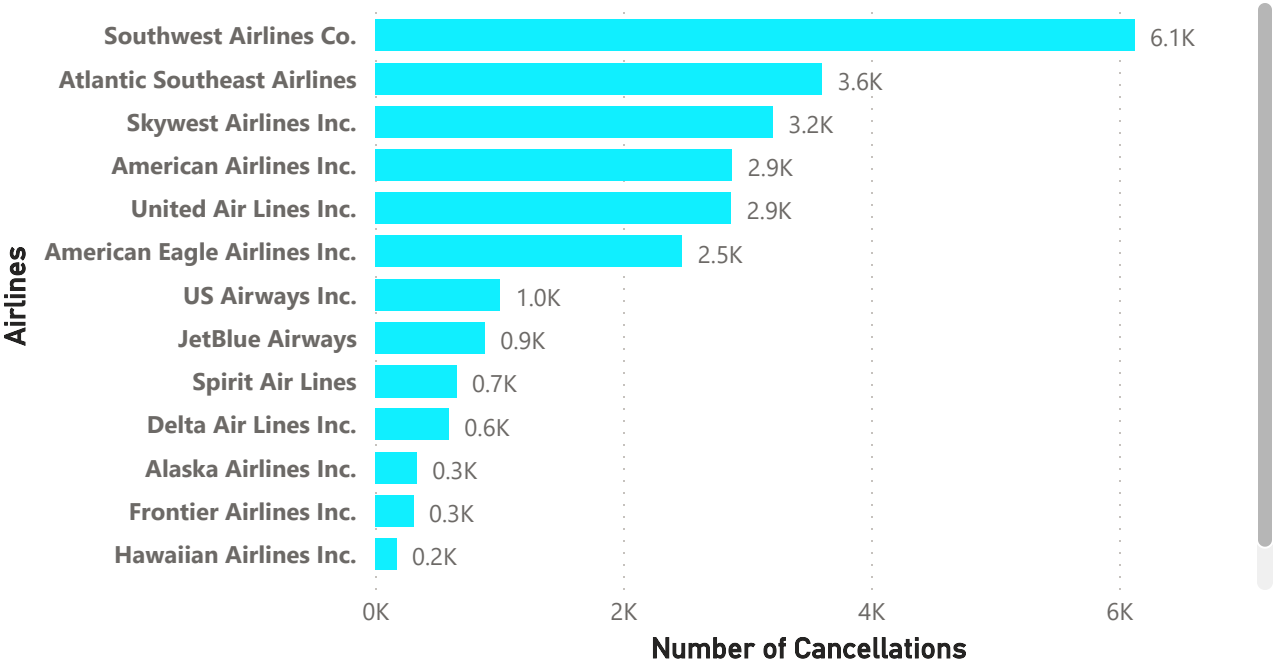
Number of Cancellations at every Airport



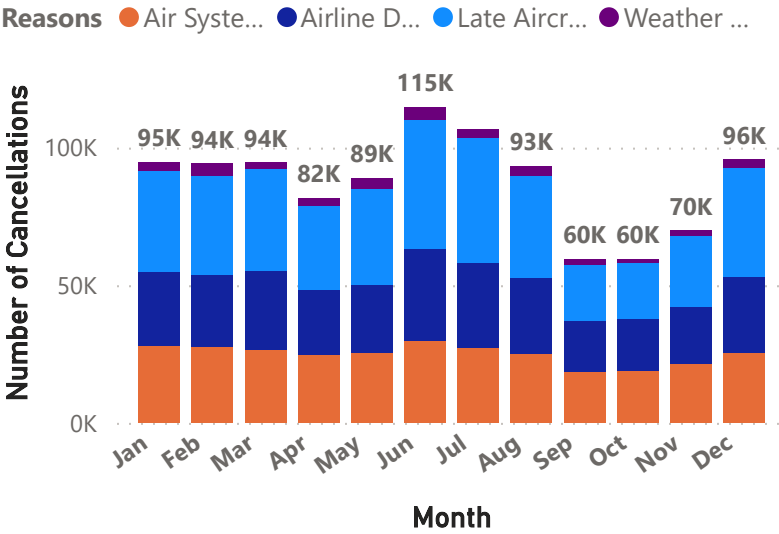
Airports with most Cancellations



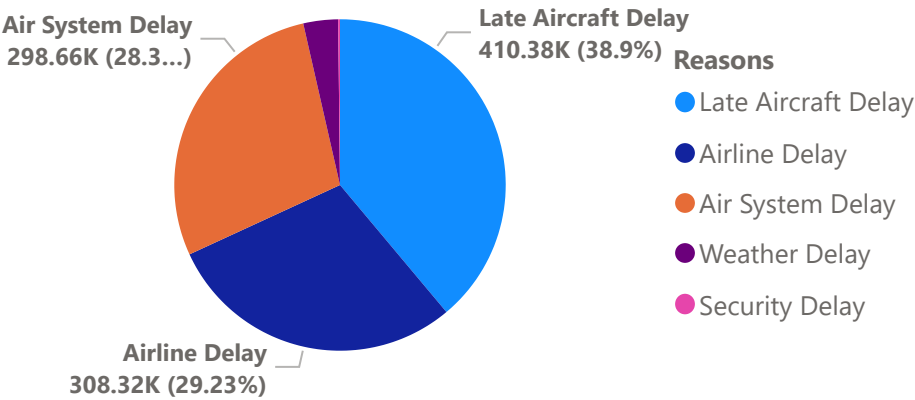
Airlines with most Cancellations



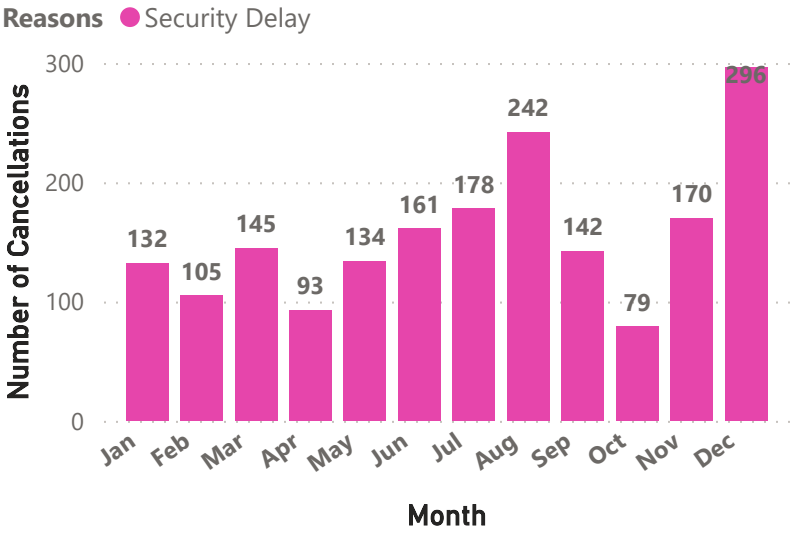
Number of Delays per Month



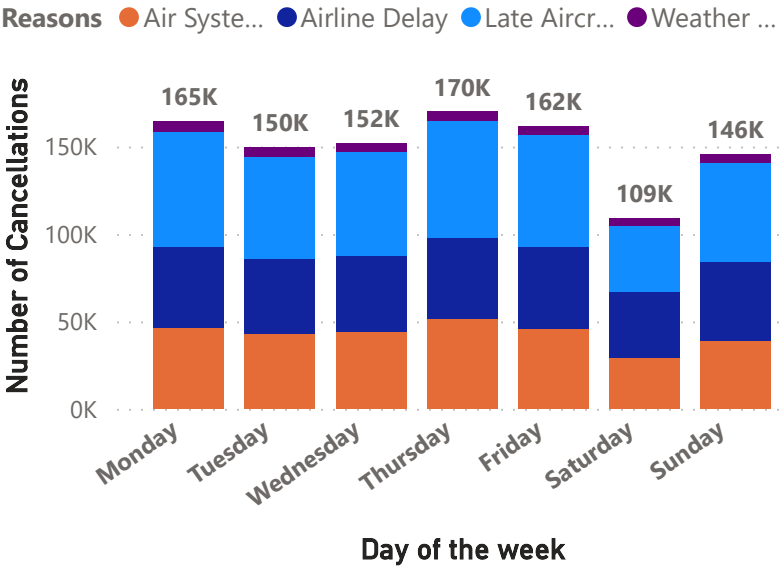
Delay Reasons Breakdown



Security Delays Per Month



Number of Delays per Day of the Week



Facts

2086896
Total Delayed Flights

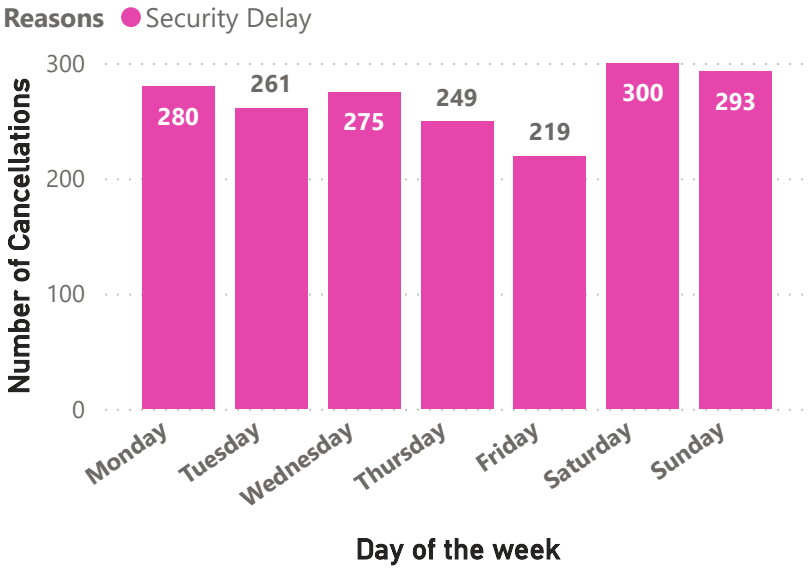
4.41
Average Delay at Arrival

1.00
Average Delay at Departure

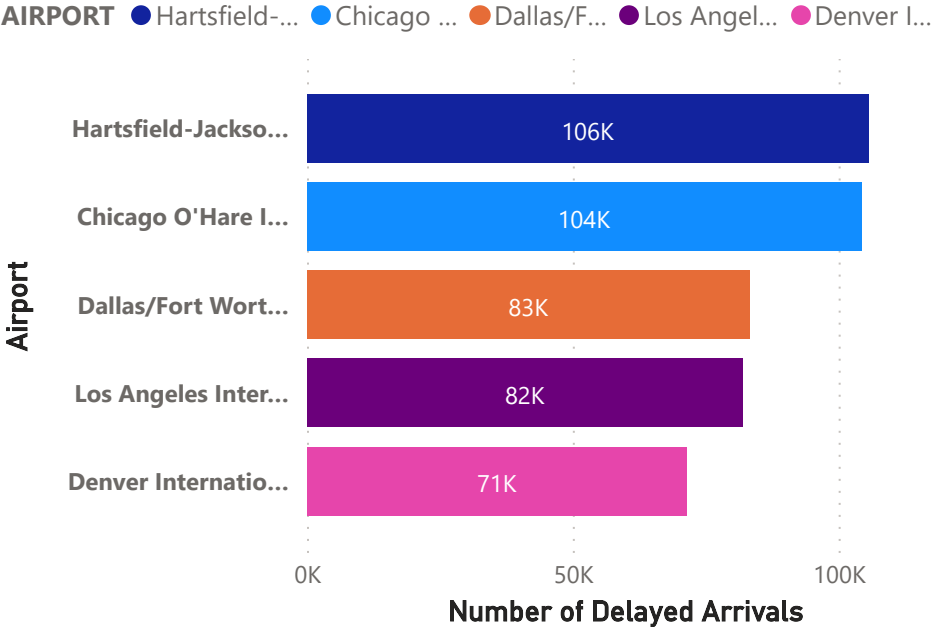
Points

1. Late Aircraft Delay had the highest total for delay of flights at 410382, followed by Airline Delay, Air System Delay, and Weather Delay. Late Aircraft Delay accounted for 38.90% of the total delays.

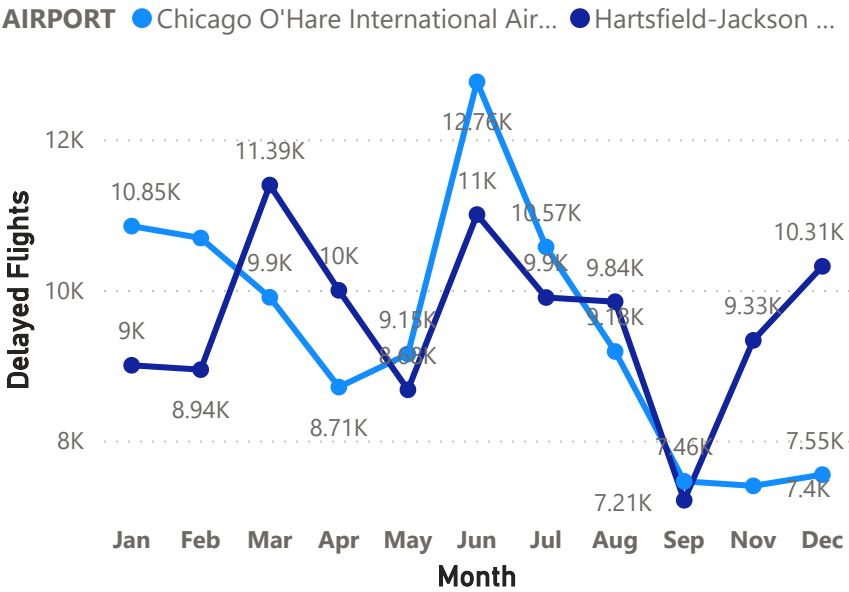
Security Delays per Day of the Week



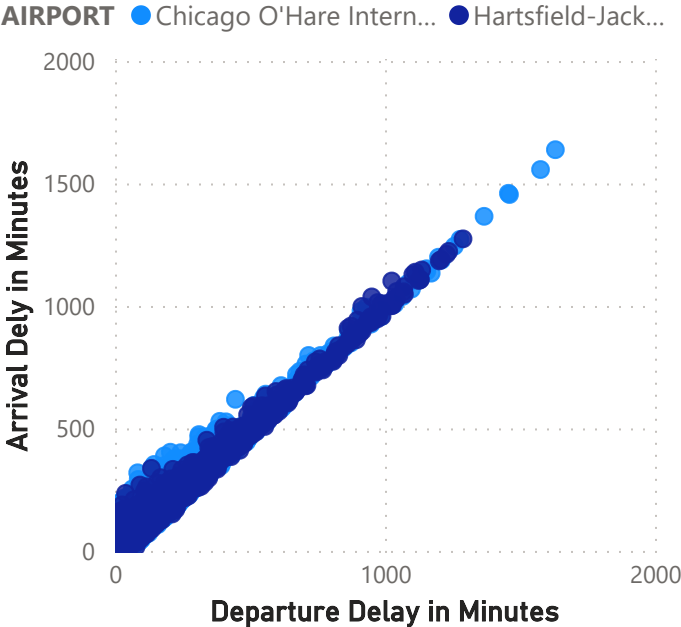
Top 5 Airports with most Delayed Arrivals



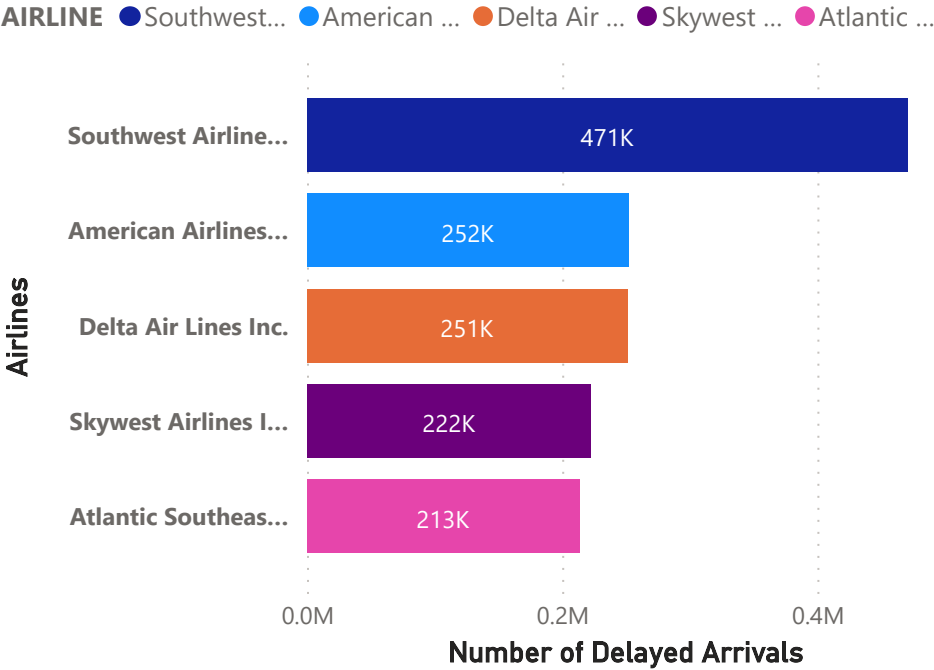
Flight Delays at Top 2 Airports with most Delayed Arrivals



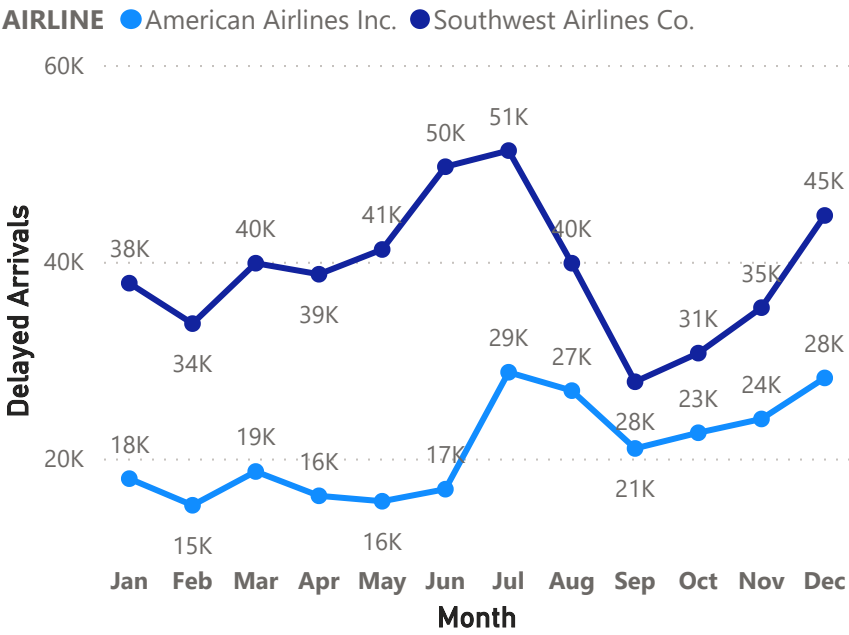
Trend: Departure Delay vs Arrival



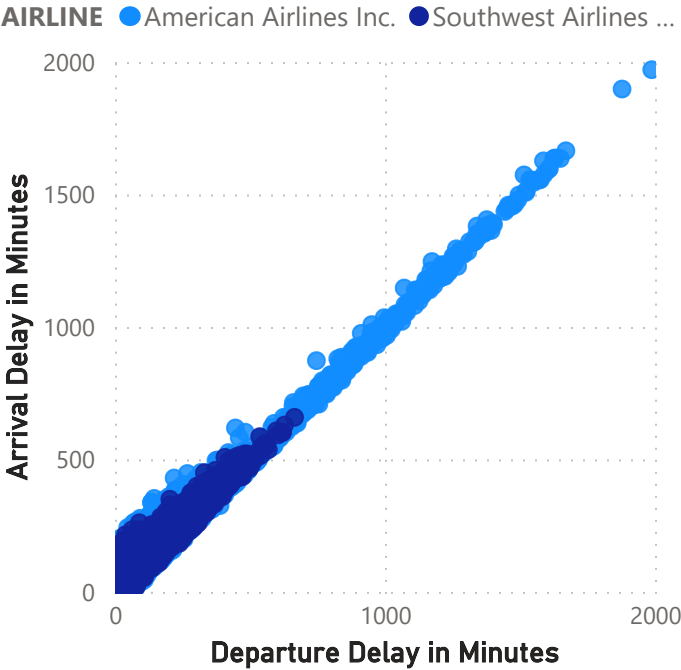
Top 5 Airlines with most Delayed Arrivals



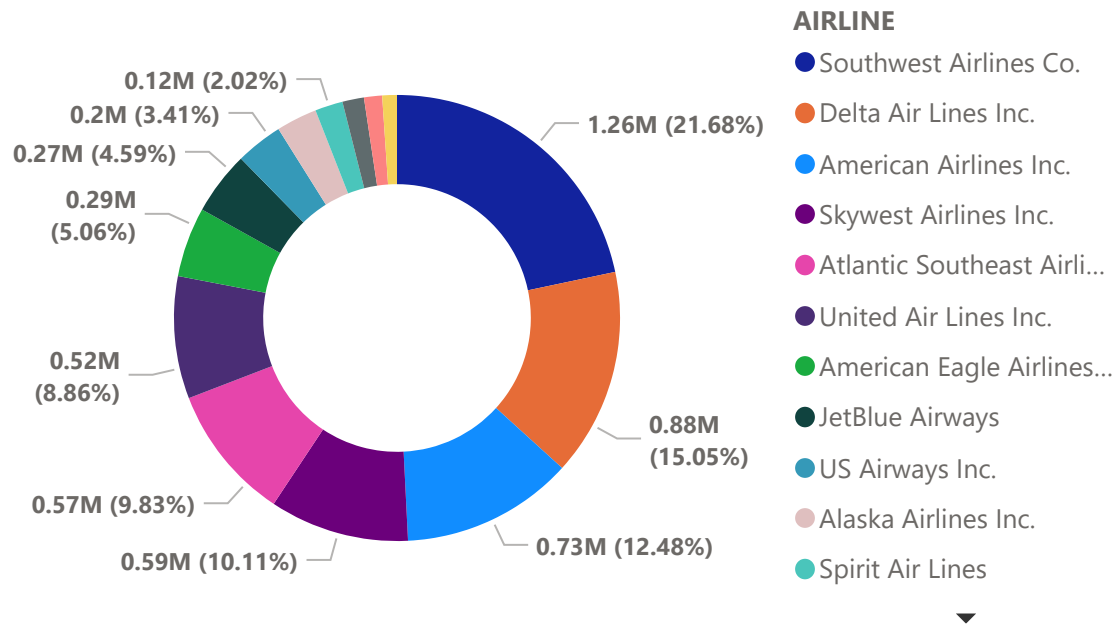
Monthly delay of Top 2 Airlines with most Delayed Arrival



Trend: Departure Delay Vs Arrival Delay



2015 Nunber of Scheduled Flights for Airlines Breakdown

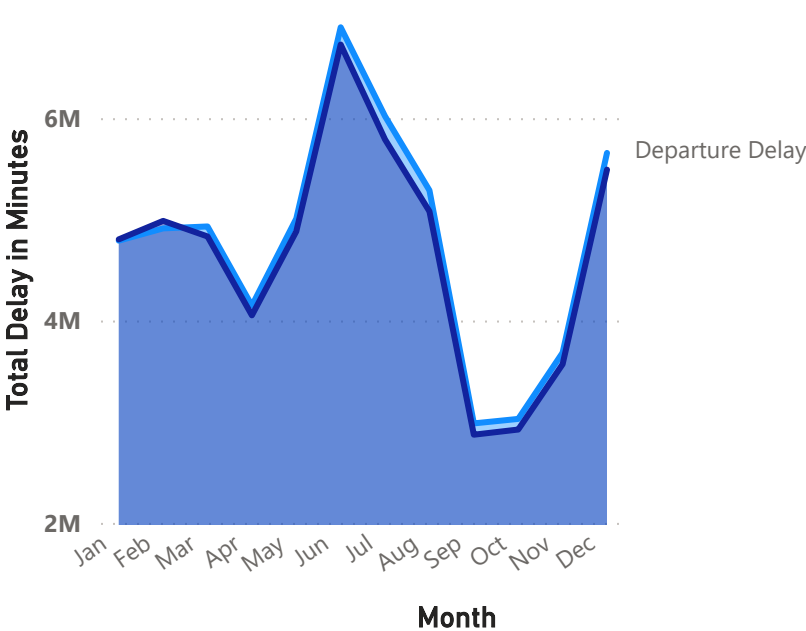


Number of Scheduled flights per Airline per Week

AIRLINE	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
Southwest Airlines Co.	187228	188007	188243	187794	185731	151771	173081	1261855
Delta Air Lines Inc.	131682	128412	129943	132064	130234	99365	124181	875881
American Airlines Inc.	106225	103401	106503	108168	106374	92264	103049	725984
Skywest Airlines Inc.	87484	84054	86211	87902	86611	71767	84324	588353
Atlantic Southeast Airlines	86979	83541	85001	87126	86299	63484	79547	571977
United Air Lines Inc.	78549	74945	76718	79126	77634	57675	71076	515723
American Eagle Airlines Inc.	43872	42970	43450	44314	43869	34246	41911	294632
JetBlue Airways	38902	37753	37749	39470	38801	35631	38742	267048
US Airways Inc.	29391	28496	28309	30160	30246	24389	27724	198715
Alaska Airlines Inc.	25082	24165	24395	25477	25135	23574	24693	172521
Spirit Air Lines	16794	16359	16493	17054	16991	16844	16844	117379
Frontier Airlines Inc.	13228	12991	13015	13424	13242	11878	13058	90836
Hawaiian Airlines Inc.	10841	10516	10796	11031	11662	10559	10867	76272
Virgin America	9286	8990	9071	9411	9380	7098	8667	61903
Total	865543	844600	855897	872521	862209	700545	817764	5819079

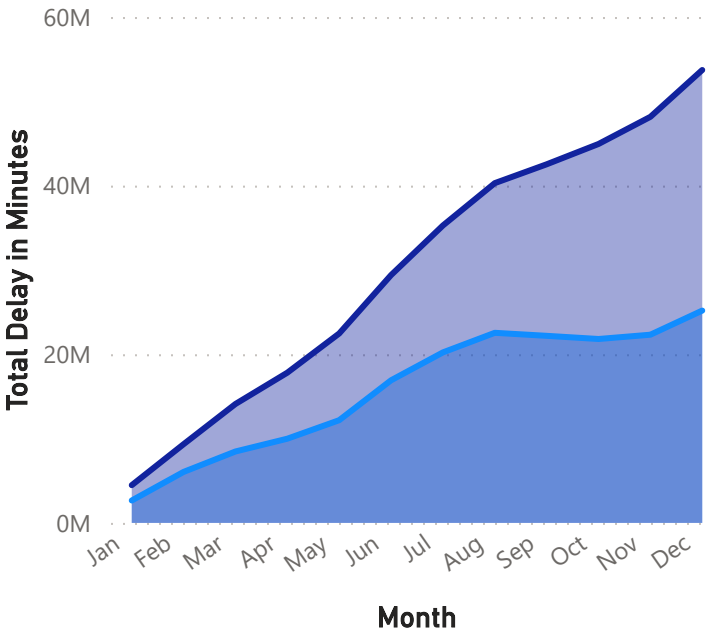
Total Arrival and Departure Delay per Month

Delays Departure Delay Arrival Delay



Cumulative Arrival vs Departure Delay

Legend Arrival Cumulative Sum Departure Cumulative Sum



Average Arrival Delay vs Departure Delay per Airline

AIRLINE Alaska Airli... American ... American ... Atlantic S...

