

EXECUTIVE SUMMARY

63.21%

On-Time %

36.79%

Delay %

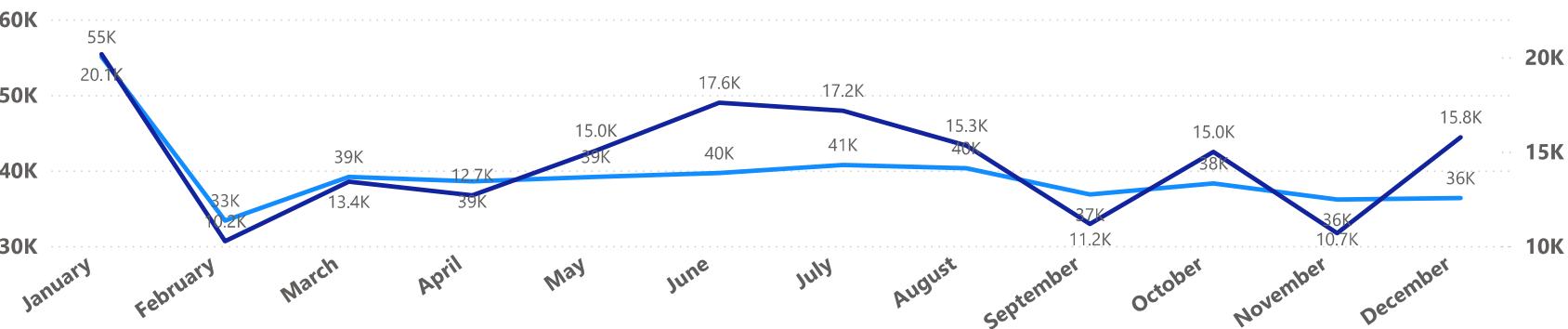
2.49%

Cancellation %

On-Time % of Top 5 Airlines



● Total Flights Departed ● Total Flights Delayed



Select Month

- Select all
- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Select Year

- Select all
- 2009
- 2010
- 2011

AIRLINE PERFORMANCE

Airline Name	Total Flights	On-Time %	Delay %	Cancellation %
AirTran Airways Corporation	48399	64.80%	35.20%	1.53%
American Airlines Inc.	36444	65.71%	34.29%	2.66%
American Eagle Airlines Inc.	24468	62.77%	37.23%	4.54%
Comair Inc.	19142	58.14%	41.86%	4.65%
Delta Air Lines Inc.	38210	60.04%	39.96%	3.57%
Expressjet Airlines Inc.	19849	66.02%	33.98%	3.91%
Mesa Airlines Inc.	32389	63.95%	36.05%	3.17%
Southwest Airlines Co.	126197	56.45%	43.55%	1.39%
United Air Lines Inc.	71815	74.23%	25.77%	2.16%
US Airways Inc.	56522	63.95%	36.05%	2.82%
Total	473435	63.21%	36.79%	2.49%

Select Airline

Select all

AirTran Airways Corporation

American Airlines Inc.

American Eagle Airlines Inc.

Comair Inc.

Delta Air Lines Inc.

Expressjet Airlines Inc.

Mesa Airlines Inc.

▼

Select Origin Airport

Select all

BWI

DCA

IAD

Select Year

Select all

July

2009

2010

2011

September

October

November

December

Select Month

Select all

January

February

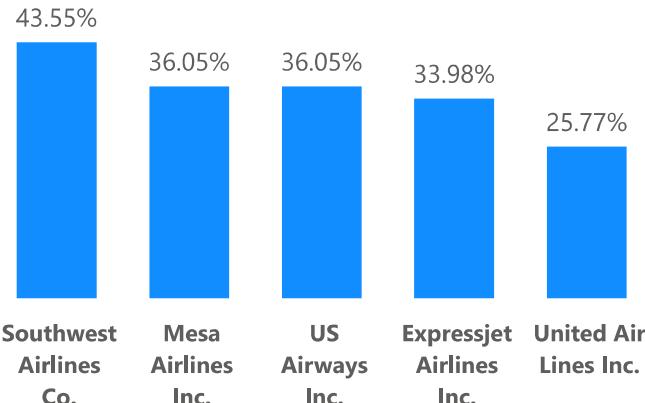
March

April

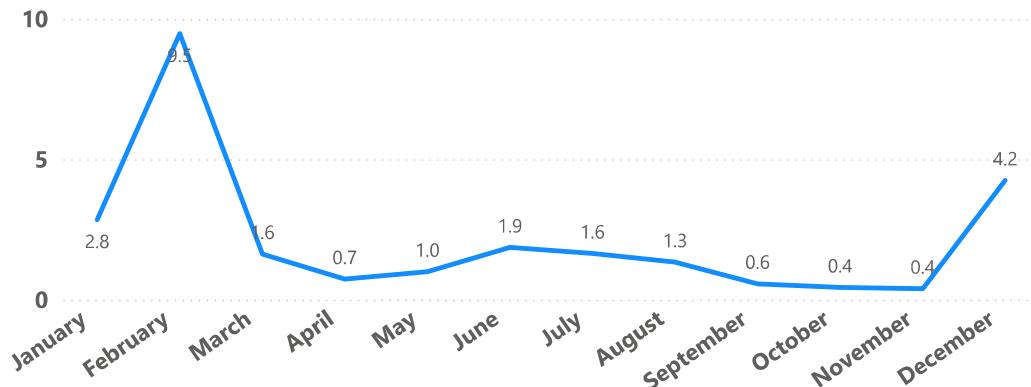
May

June

Delay % Top 5 Airlines



Average Delay Trend Over Months



AIRPORT PERFORMANCE - DELAYS, CANCELLATIONS, RELIABILITY

Select Year

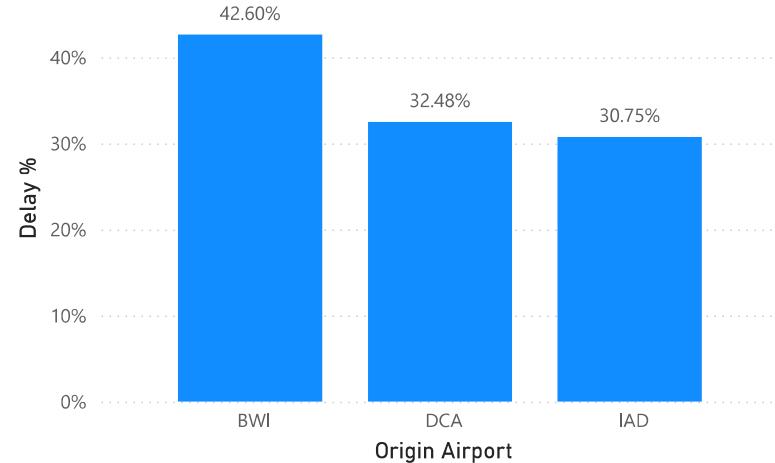
Select Month

Origin Airport	Cancellation % by Airport * Month												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
BWI	2.48%	10.46%	1.29%	0.41%	0.52%	0.87%	0.72%	0.49%	0.42%	0.31%	0.33%	3.84%	1.72%
IAD	3.01%	10.42%	2.17%	0.64%	1.09%	2.14%	1.59%	1.46%	0.75%	0.75%	0.60%	4.78%	2.40%
DCA	5.31%	13.13%	2.82%	1.54%	1.79%	3.14%	3.28%	2.37%	1.23%	1.28%	0.87%	7.19%	3.66%
Total	3.51%	11.31%	2.00%	0.82%	1.05%	1.86%	1.70%	1.30%	0.75%	0.72%	0.57%	5.11%	2.49%

Most Reliable Airport – Monthly On-Time %

60.96%

Delays by Airport



<input type="checkbox"/> Select all	<input type="checkbox"/> Select all
<input type="checkbox"/> 2009	<input type="checkbox"/> January
<input type="checkbox"/> 2010	<input type="checkbox"/> February
<input type="checkbox"/> 2011	<input type="checkbox"/> March
<input type="checkbox"/> April	<input type="checkbox"/> May
<input type="checkbox"/> May	<input type="checkbox"/> June
<input type="checkbox"/> June	<input type="checkbox"/> July
<input type="checkbox"/> July	<input type="checkbox"/> August
<input type="checkbox"/> August	<input type="checkbox"/> September
<input type="checkbox"/> September	<input type="checkbox"/> October
<input type="checkbox"/> October	<input type="checkbox"/> November
<input type="checkbox"/> November	<input type="checkbox"/> December

TIME-OF-DAY ANALYSIS

Select Origin Airport

Hour vs Day of Week → Delay %

Hour Label	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
00:00-01:00	30.83%	38.83%	33.07%	35.86%	37.01%	27.00%	20.74%	32.96%
06:00-07:00	27.03%	27.01%	27.20%	28.01%	28.67%	28.67%	24.35%	27.37%
07:00-08:00	30.52%	28.36%	30.41%	30.50%	31.21%	25.93%	24.08%	29.09%
08:00-09:00	32.68%	30.03%	30.28%	31.05%	31.74%	27.08%	23.64%	29.58%
09:00-10:00	32.03%	29.77%	29.66%	30.24%	30.26%	29.34%	22.44%	29.23%
10:00-11:00	34.04%	32.07%	31.18%	33.72%	34.40%	31.40%	25.47%	31.88%
11:00-12:00	35.39%	33.63%	33.83%	35.84%	37.30%	31.65%	29.01%	33.90%
12:00-13:00	38.42%	33.28%	33.87%	37.02%	37.17%	30.82%	32.11%	34.74%
13:00-14:00	40.97%	38.64%	39.58%	41.68%	42.20%	35.82%	36.07%	39.40%
14:00-15:00	40.62%	36.70%	39.65%	44.07%	43.21%	35.18%	37.56%	39.68%
15:00-16:00	44.20%	39.36%	41.89%	45.75%	45.40%	36.89%	40.48%	42.13%
16:00-17:00	42.54%	41.02%	43.94%	47.69%	44.87%	35.92%	41.06%	42.57%
17:00-18:00	43.45%	41.33%	47.99%	48.72%	44.43%	33.49%	41.18%	43.12%
18:00-19:00	44.74%	42.19%	47.80%	48.82%	45.60%	36.41%	44.22%	44.65%
19:00-20:00	43.05%	41.90%	47.08%	49.80%	44.74%	45.74%	43.11%	45.01%
20:00-21:00	49.88%	47.05%	53.86%	56.18%	52.52%	35.88%	48.44%	50.39%
21:00-22:00	38.20%	35.90%	40.25%	44.88%	40.96%	29.36%	39.64%	39.14%
22:00-23:00	29.82%	29.84%	32.09%	32.12%	30.63%	27.47%	28.00%	30.02%
Total	37.96%	35.53%	37.91%	39.85%	38.79%	32.09%	34.20%	36.79%

22:00 - 23:00

Worst Hour

36.79%

Worst Hour Delay %

Day-of-week

- Select all
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday
- Sunday

Delay % by Hour of Day



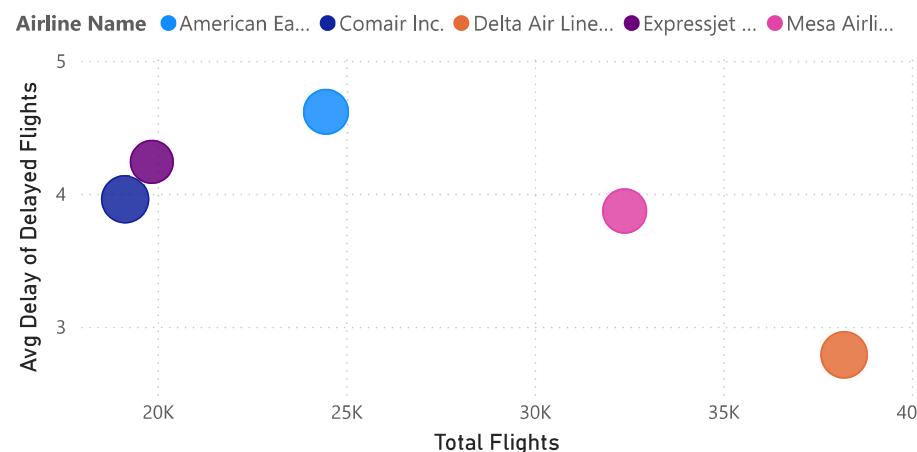
ROOT CAUSE / DETAILED ANALYSIS

Select Airline

Airline * Airport → Delay %

Airline Name	BWI	DCA	IAD	Total
AirTran Airways Corporation	35.21%	32.66%	41.06%	35.20%
American Airlines Inc.	34.28%	33.66%	35.99%	34.29%
American Eagle Airlines Inc.	43.95%	36.14%	30.98%	37.23%
Comair Inc.	47.83%	40.25%	43.52%	41.86%
Delta Air Lines Inc.	40.10%	39.39%	41.55%	39.96%
Expressjet Airlines Inc.	38.90%	36.82%	30.98%	33.98%
Mesa Airlines Inc.	35.97%		36.05%	36.05%
Southwest Airlines Co.	44.41%		29.76%	43.55%
United Air Lines Inc.	23.00%	20.39%	27.38%	25.77%
US Airways Inc.	41.89%	34.78%	44.46%	36.05%
Total	40.92%	34.88%	32.08%	36.79%

Number of Flights vs Avg Delay



Select all

AirTran Airways Corporation

American Airlines Inc.

American Eagle Airlines Inc.

Comair Inc.

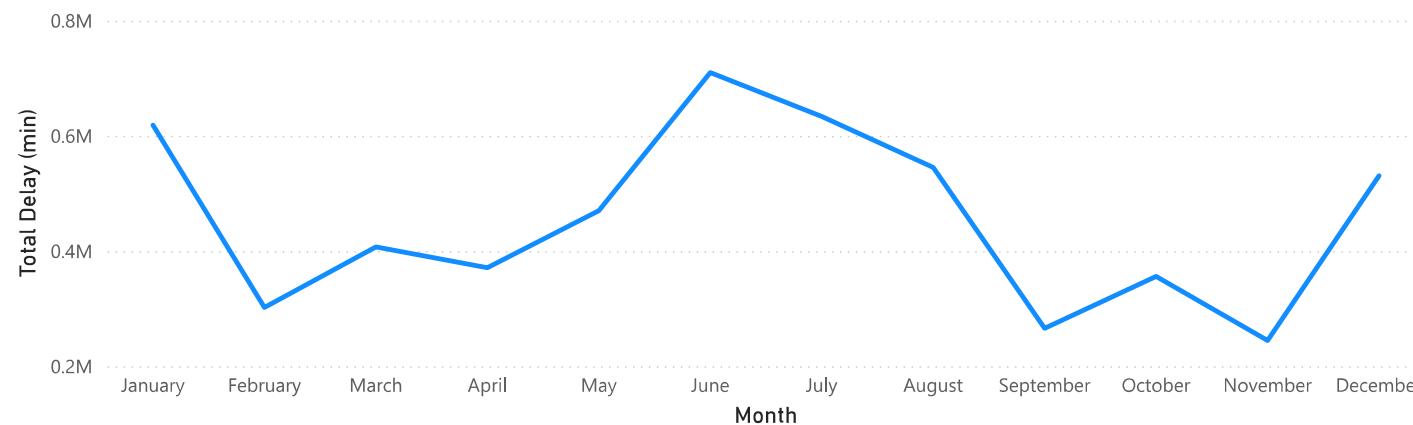
Delta Air Lines Inc.

Expressjet Airlines Inc.

Mesa Airlines Inc.



Total Delay (min) by Month



Select Origin Airport

Day-of-week

Select all

Select all

BWI

Monday

DCA

Tuesday

IAD

Wednesday

Thursday

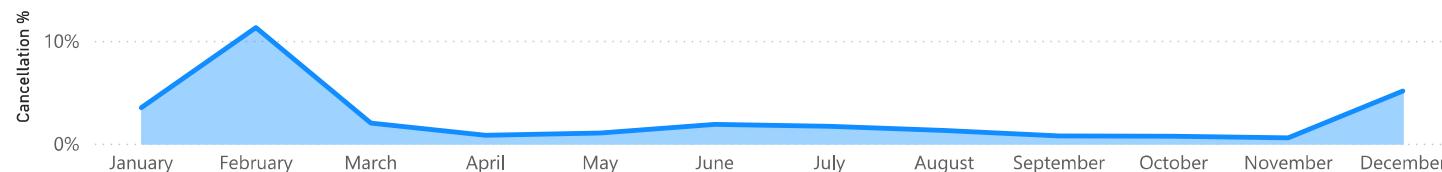
Friday

Saturday

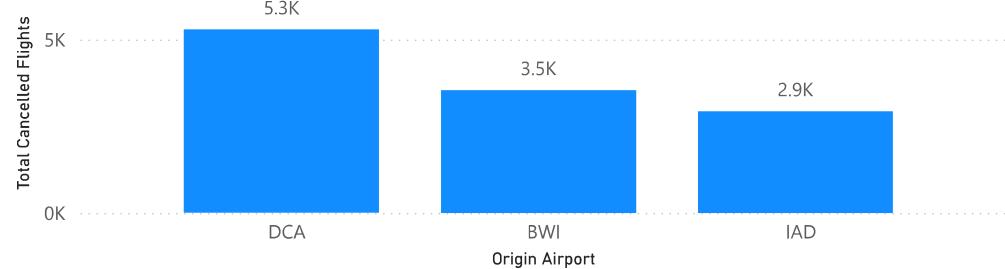
Sunday

CANCELLATION INSIGHTS

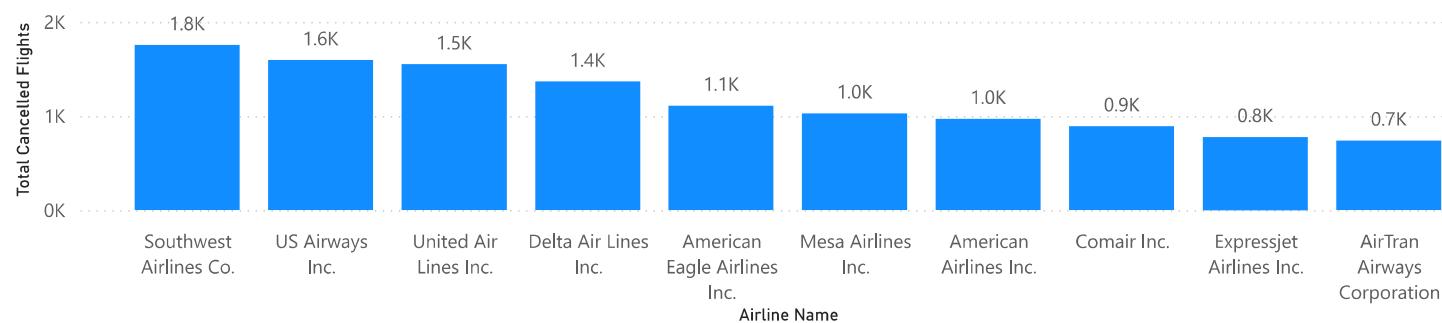
Cancellation % by Month



Total Cancelled Flights by Origin Airport



Total Cancelled Flights by Airline Name



Select Airline

- Select all
- AirTran Airways Corporation
- American Airlines Inc.
- American Eagle Airlines Inc.
- Comair Inc.
- Delta Air Lines Inc.
- Expressjet Airlines Inc.
- Mesa Airlines Inc.

Select Month

- Select all
- January
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Select Origin Airport

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- Select all
- 2009
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Select Year