

EXECUTIVE SUMMARY

Select Month

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

Select Year

- ☐ Select all
- ☐ 2009
- ☐ 2010
- ☐ 2011

63.21%

On-Time %

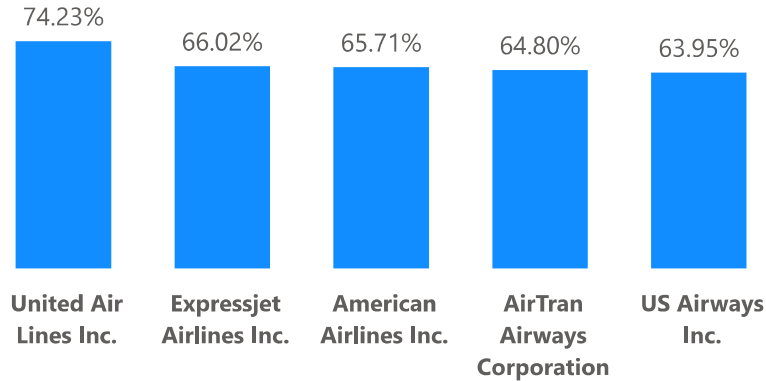
36.79%

Delay %

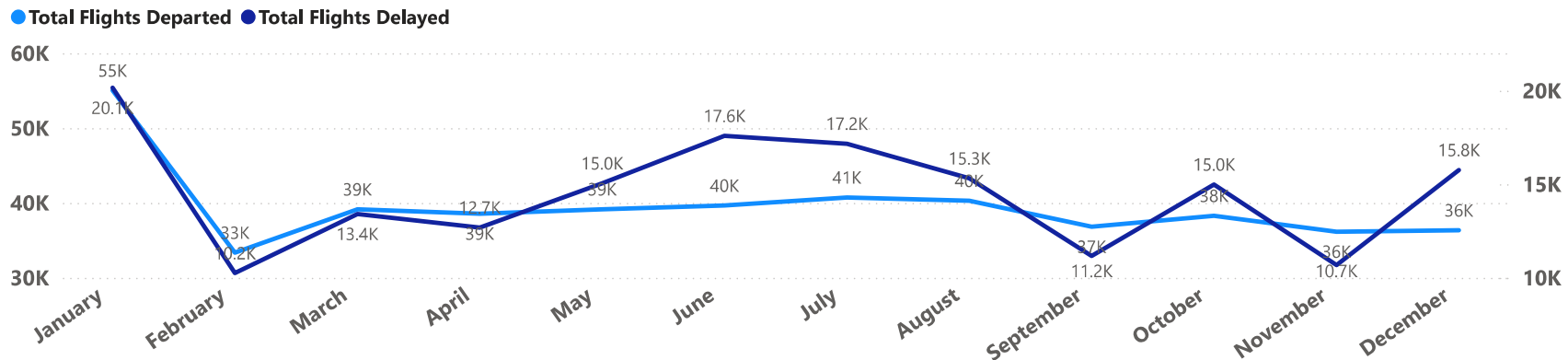
2.49%

Cancellation %

On-Time % of Top 5 Airlines



Total Flights Departed vs Flights Delayed



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

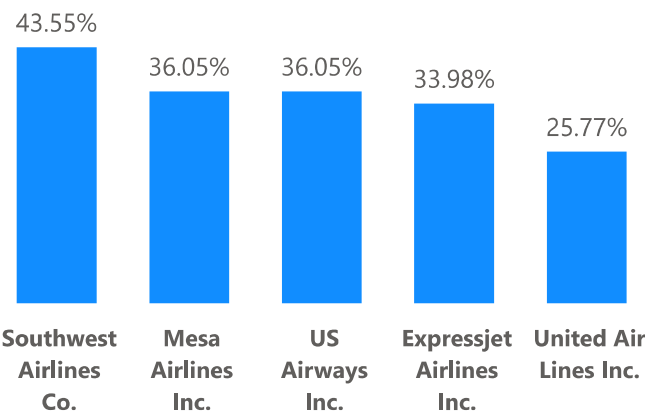
Select Year

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- ☐ 2009
- ☐ 2010
- ☐ 2011

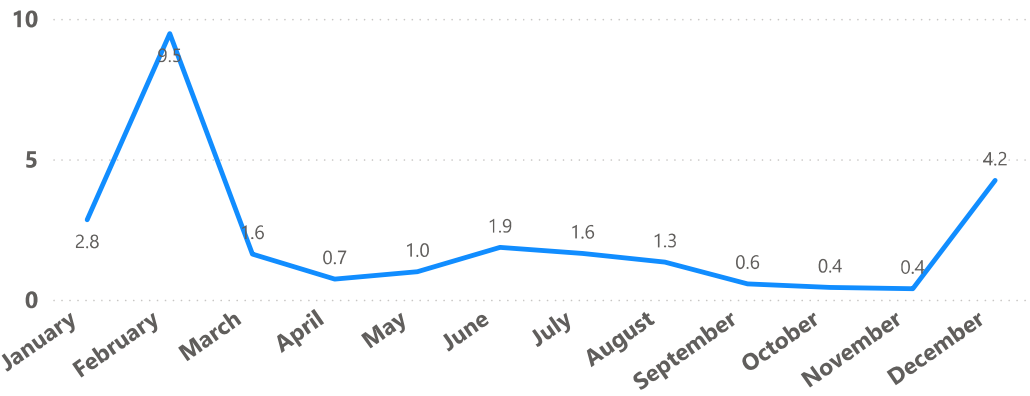
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- ☐ November
- ☐ December

Delay % Top 5 Airlines



Average Delay Trend Over Months



AIRPORT PERFORMANCE - DELAYS, CANCELLATIONS, RELIABILITY

Select Year

Select Month

Cancellation % by Airport * Month

Origin Airport	January	February	March	April	May	June	July	August	September	October	November	December	Total
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%

☐ Select all

☐ Select all

☐ 2009

☐ January

☐ 2010

☐ February

☐ 2011

☐ March

☐ April

☐ May

☐ June

☐ July

☐ August

☐ September

☐ October

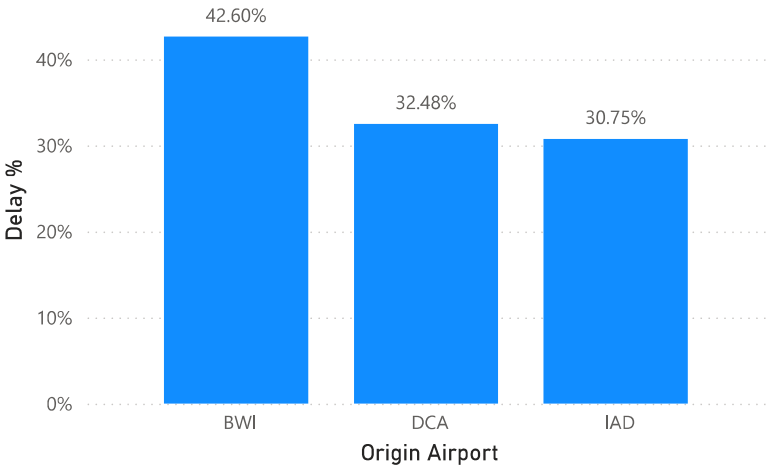
☐ November

☐ December

Most Reliable Airport – Monthly On-Time %

60.96%

Delays by Airport



TIME-OF-DAY ANALYSIS

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 %

Select Origin Airport

☐ Select all

☐ BWI

☐ DCA

☐ IAD

Day-of-week

☐ Select all

☐ Monday

☐ Tuesday

☐ Wednesday

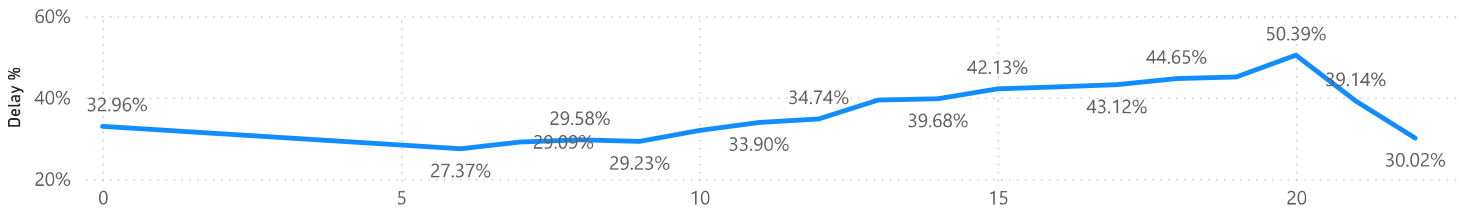
☐ Thursday

☐ Friday

☐ Saturday

☐ Sunday

Delay % by Hour of Day

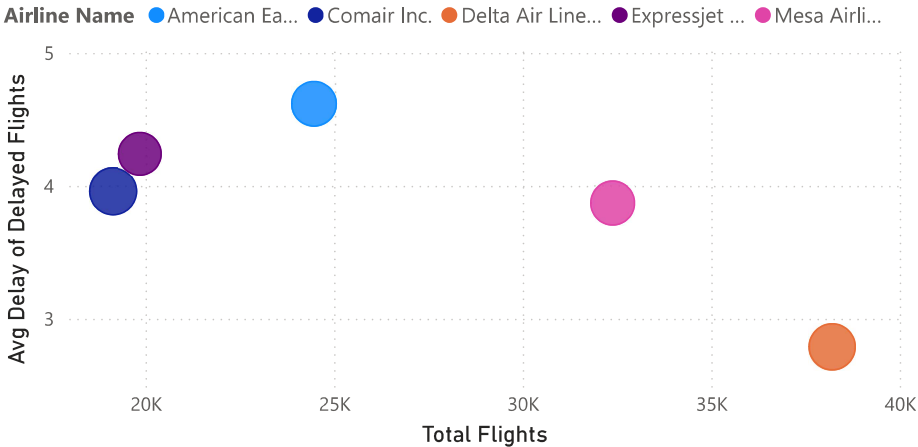


ROOT CAUSE / DETAILED ANALYSIS

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%		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%

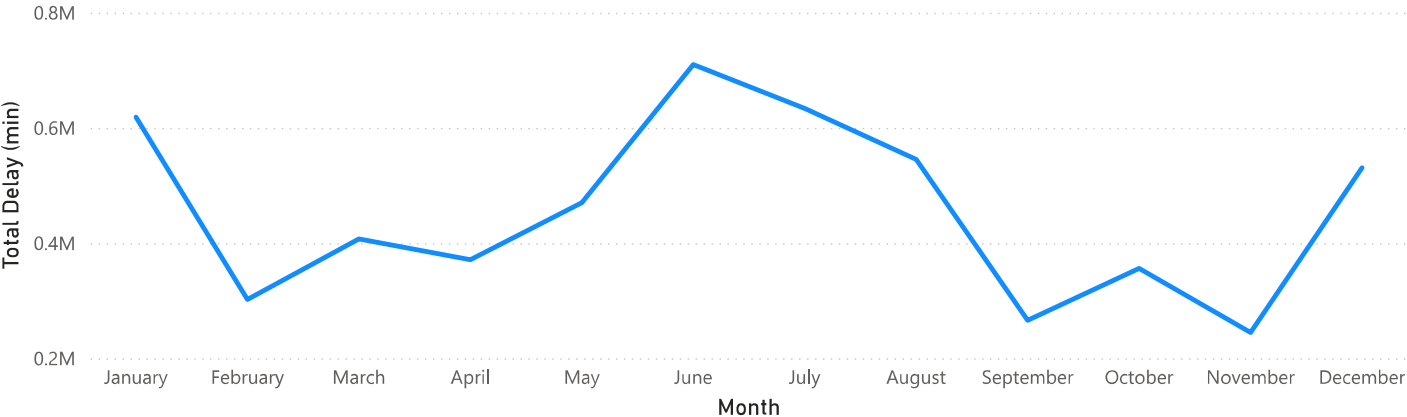
Number of Flights vs Avg Delay



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- ▼

Total Delay (min) by Month



Select Origin Airport

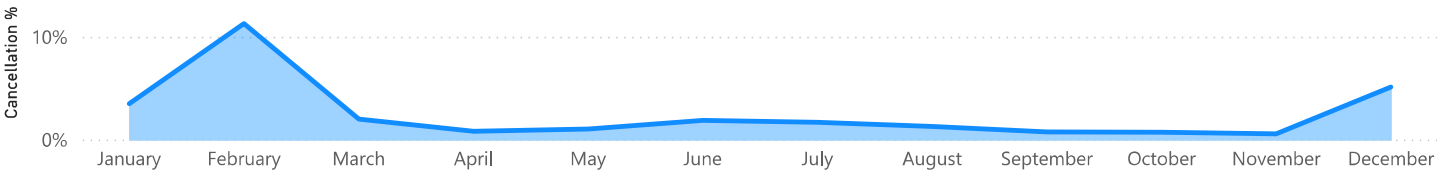
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Day-of-week

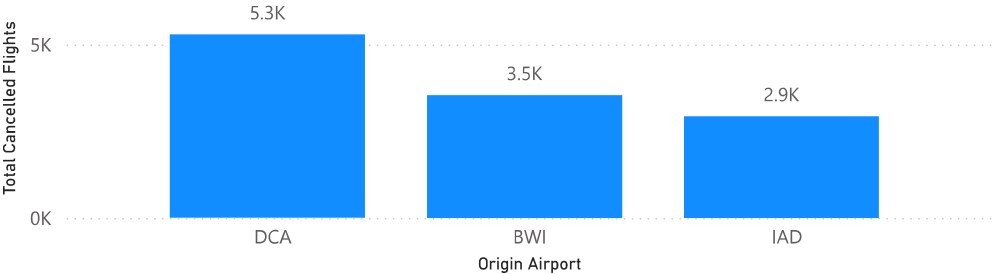
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CANCELLATION INSIGHTS

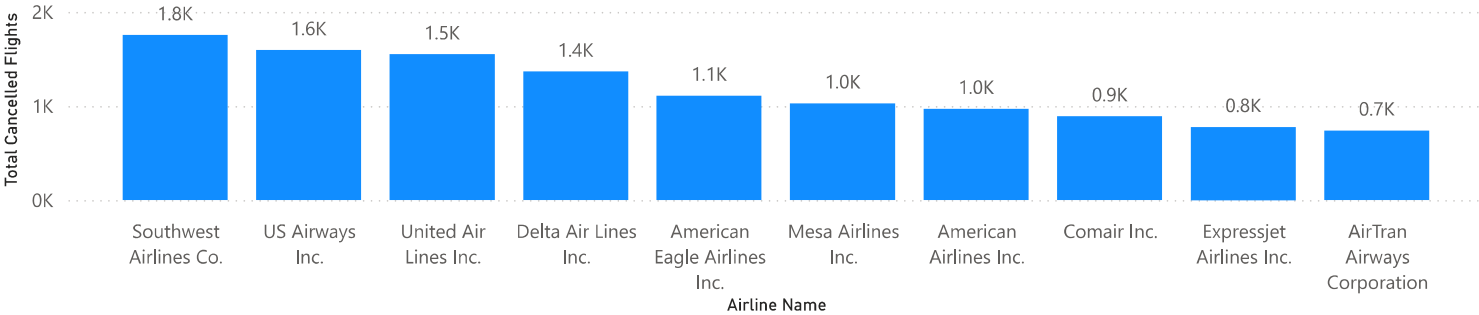
Cancellation % by Month



Total Cancelled Flights by Origin Airport



Total Cancelled Flights by Airline Name



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