Total Flights per Carrier 2018-2019

Airline Name / Flight Date

American Airlines Inc.	Delta Air Lines Inc.	Southwest Airlines Co.

Count of flights

1M

0M

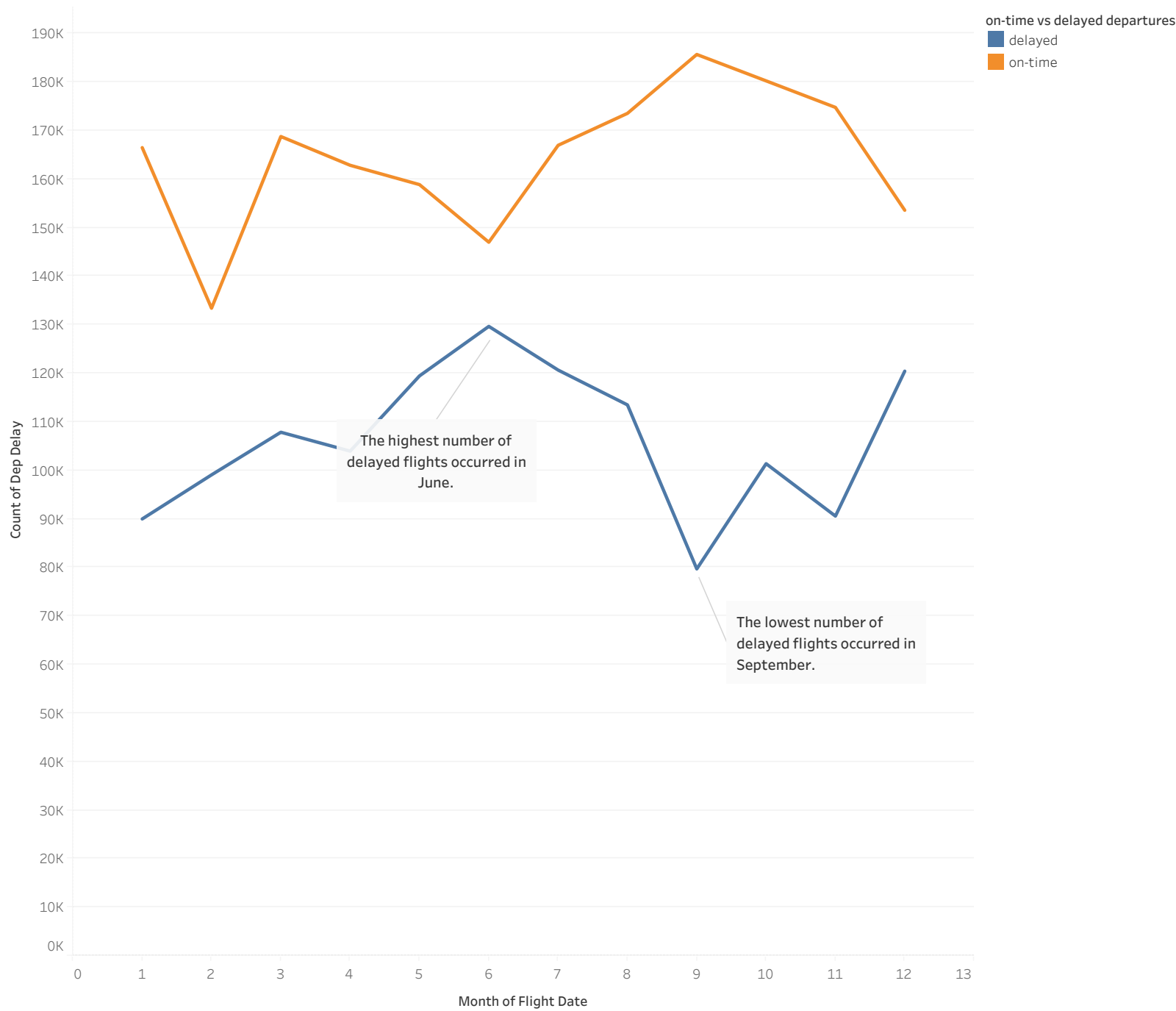| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |
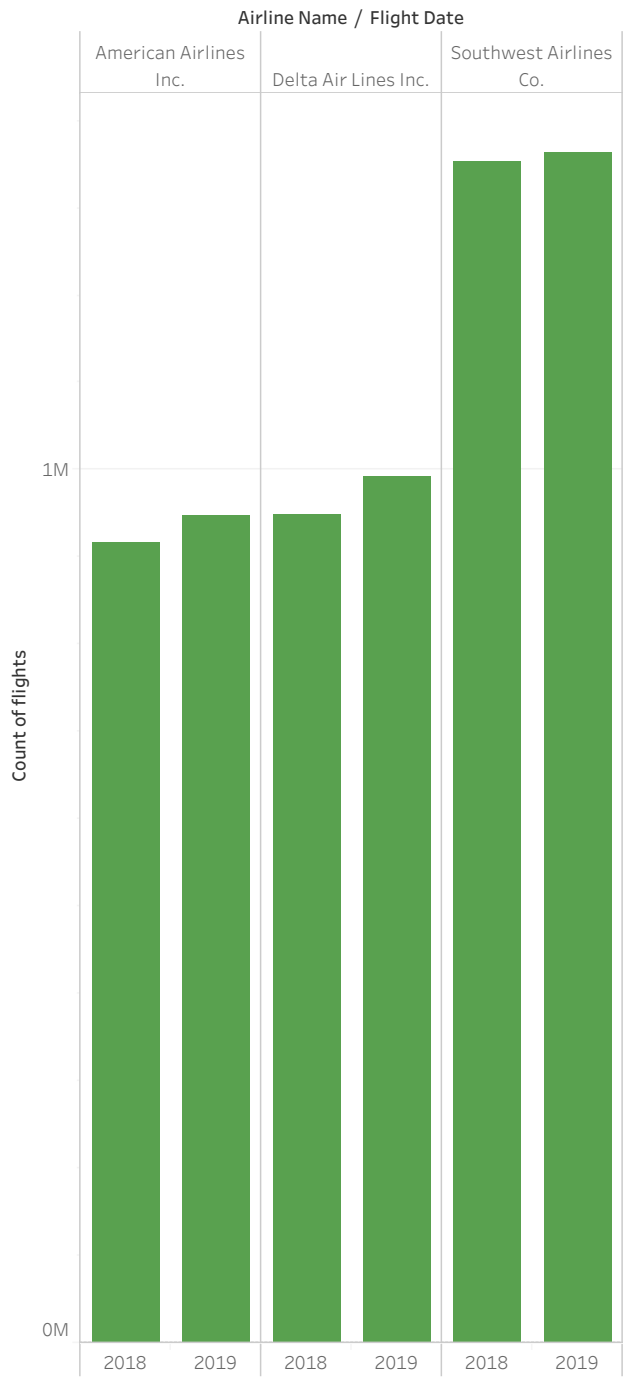
Monthly Flights per Carrier

Flight Date

Airline Name
- American Airlines Inc.
- Delta Air Lines Inc.
- Southwest Airlines Co.

As expected Southwest Airlines has more monthly flights than either of the other competitors. What's interesting to note are the dips that all three experience in February and September.

Most Utilized Origin Airports per Carrier

Airport Name

Airline Name
- Southwest Airlines Co.
- Delta Air Lines Inc.
- American Airlines Inc.

The bulk of Delta's flights are coming from Atlanta's airport, with the majority of their remaining flights coming from Minneapolis.

Southwest Airlines' and American Airlines' flights are more equally distributed between different airports. It seems that American Airlines' flights are located more in the southern part of the U.S., while Southwest Airlines' flights are distributed more northernly.

Count of flights

600K
550K
500K
450K
400K
350K
300K
250K
200K
150K
100K
50K
0K

- Hartsfield-Jackson Atlanta International
- Dallas/Fort Worth International
- Phoenix Sky Harbor International
- Los Angeles International
- Charlotte Douglas International
- Harry Reid International
- Denver International
- Baltimore/Washington International Thurgood Marshall
- Minneapolis-St Paul International
- Chicago Midway International

On-time vs. Delayed Flights for 2019

on-time vs delayed departures
delayed
on-time

Count of Dep Delay

Month of Flight Date

The highest number of delayed flights occurred in June.

The lowest number of delayed flights occurred in September.

Average Departure Delays by State and Quarter

Flight Date

State	2018				2019			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Alabama	26.80	34.82	35.89	24.33	29.03	40.02	35.13	26.68
Alaska	48.26	57.21	52.55	58.93	41.58	52.91	35.58	54.57
Arizona	24.62	25.66	32.49	24.32	26.12	29.36	28.82	25.13
Arkansas	28.23	33.68	33.84	21.35	27.54	36.46	43.43	33.57
California	27.82	26.95	27.41	26.06	28.65	28.52	26.55	26.88
Colorado	25.78	29.15	29.41	22.28	29.24	32.27	28.78	25.77
Connecticut	25.87	33.45	33.98	31.54	29.98	35.04	39.74	29.31
Florida	29.25	36.54	42.23	30.66	31.46	40.18	41.91	27.83
Georgia	25.89	32.03	32.28	23.76	25.96	32.97	32.74	21.79
Hawaii	52.03	53.32	59.89	53.51	52.62	46.73	53.29	42.25
Idaho	26.96	26.15	27.15	23.44	24.04	34.62	25.60	22.15
Illinois	25.07	33.04	33.82	26.98	34.16	35.75	36.10	26.09
Indiana	31.49	37.49	32.31	27.73	31.42	35.00	32.69	25.40
Iowa	30.57	42.22	32.99	37.19	47.33	43.13	35.10	32.85
Kansas	40.86	32.55	38.51	24.46	31.91	43.18	31.40	31.62
Kentucky	28.74	31.82	32.01	24.49	30.58	35.09	31.20	25.72
Louisiana	26.60	30.64	31.78	26.49	25.20	33.42	30.65	27.98
Maine	33.95	42.26	42.98	38.89	40.89	33.61	35.47	25.02
Maryland	22.55	29.17	33.15	28.83	28.99	29.76	30.78	23.09
Massachusetts	33.30	37.17	43.33	35.28	47.18	41.34	42.94	40.22
Michigan	34.23	33.08	34.33	24.85	34.46	36.53	39.39	28.92
Minnesota	30.82	34.82	35.45	25.46	38.95	35.36	38.24	29.23
Mississippi	33.07	38.80	63.91	39.34	36.64	37.17	40.90	36.91

Avg. Dep Delay

11.55 — 103.92

The states with the highest average departure delays are North Dakota, West Virginia, and Wyoming. These three states had the highest average delays in Q1 of 2019. North Dakota had the highest average departure delay of any state or time period with 103.92 minutes in quarter three of 2018, as well as pretty high delays in quarters one and two of 2018 and quarter one of 2019. West Virginia and Wyoming both had higher delays in quarters two and four of 2018 and quarter one of 2019.

According to a news article from 2018, there was a big storm affecting flights at the end of that year in the Midwest and northern Plains. Likely this or other weather considerations caused the delays in these states.

Average Departure Delays by State and Quarter

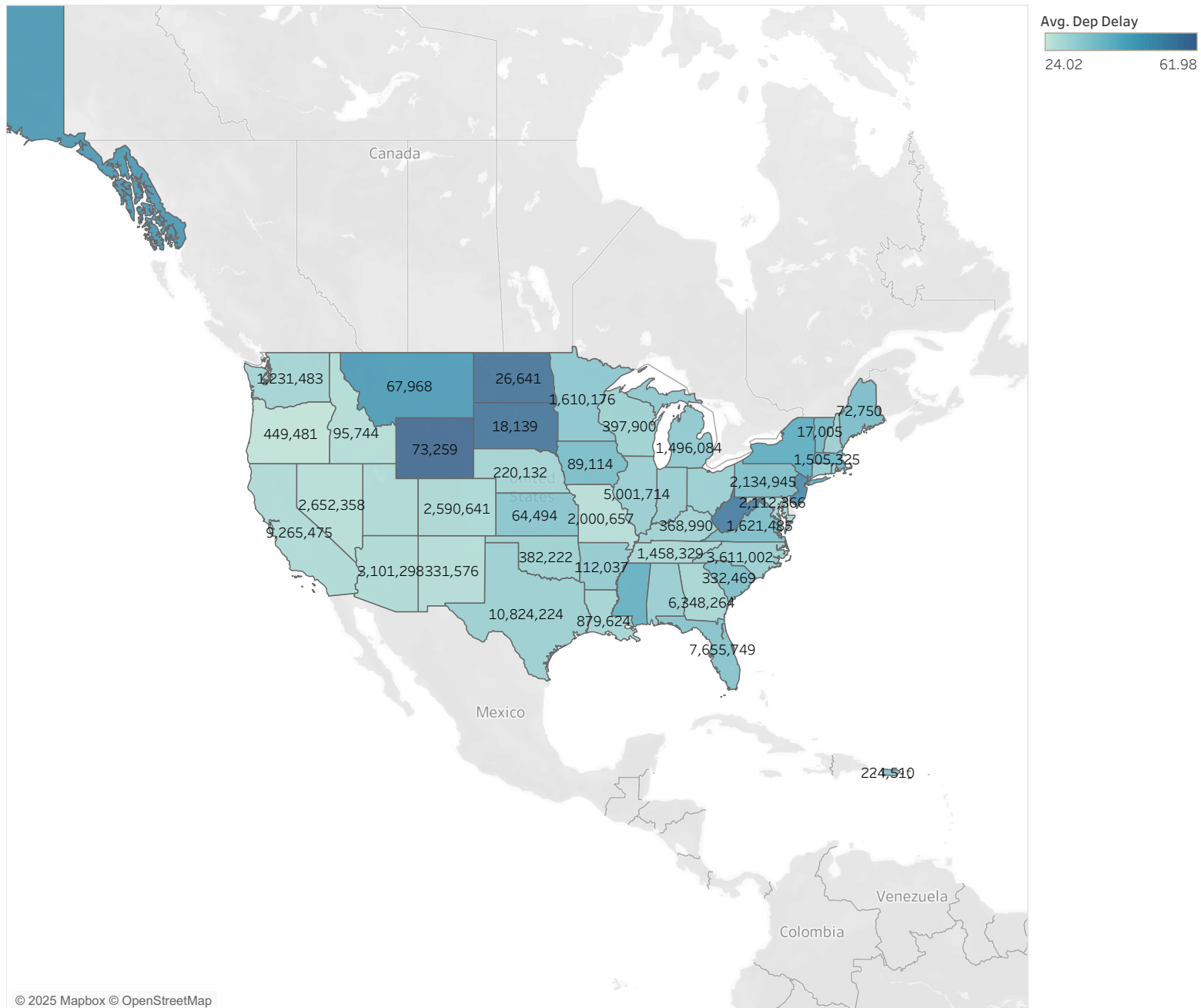|	Flight Date							
	2018				**2019**			
State	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Missouri	24.02	27.00	27.48	23.85	25.89	29.10	25.77	24.17
Montana	55.13	50.46	38.18	50.69	55.18	40.67	46.93	52.26
Nebraska	27.80	31.13	34.00	25.18	30.72	32.56	29.17	25.37
Nevada	24.87	24.96	27.85	23.02	27.39	28.73	24.73	25.50
New Hampshire	30.97	26.57	35.89	29.23	35.12	31.78	33.05	25.68
New Jersey	39.49	51.70	59.84	38.85	47.99	62.78	62.56	46.92
New Mexico	25.98	28.77	27.70	25.09	25.11	26.86	24.91	25.61
New York	36.34	40.71	47.50	33.93	38.80	46.93	53.03	35.89
North Carolina	29.11	30.31	34.13	25.17	27.46	37.35	37.12	26.17
North Dakota	77.11	81.65	103.92	36.39	91.00	42.46	23.92	36.38
Ohio	32.70	32.59	33.54	28.08	30.55	34.99	32.32	24.36
Oklahoma	29.63	31.65	30.72	27.59	29.60	35.02	32.23	26.33
Oregon	24.57	24.54	25.06	22.27	25.12	24.98	25.03	20.62
Pennsylvania	29.67	35.70	41.67	31.63	34.58	41.32	42.78	32.50
Puerto Rico	27.36	31.51	43.20	34.21	34.72	40.88	37.10	32.86
Rhode Island	26.77	33.45	33.89	30.68	32.35	40.91	35.03	27.92
South Carolina	37.66	40.70	37.07	31.96	38.45	40.52	41.44	27.04
South Dakota	84.56	64.81	35.43	44.78	61.34	39.46	80.00	57.38
Tennessee	25.74	29.62	29.86	25.70	26.68	31.96	30.86	24.27
Texas	27.00	31.89	33.60	28.49	28.64	37.29	31.04	27.28
U.S. Virgin Islands	31.20	38.21	65.87	48.63	39.91	31.14	42.65	45.93
Utah	26.71	26.29	27.00	23.77	26.93	29.29	31.86	27.04
Vermont	41.52	46.04	59.28	29.96	16.33	11.55	18.88	31.71

Avg. Dep Delay
11.55   103.92

The states with the highest average departure delays are North Dakota, West Virginia, and Wyoming. These three states had the highest average delays in Q1 of 2019. North Dakota had the highest average departure delay of any state or time period with 103.92 minutes in quarter three of 2018, as well as pretty high delays in quarters one and two of 2018 and quarter one of 2019. West Virginia and Wyoming both had higher delays in quarters two and four of 2018 and quarter one of 2019.

According to a news article from 2018, there was a big storm affecting flights at the end of that year in the Midwest and northern Plains. Likely this or other weather considerations caused the delays in these states.

Average Departure Delays by State and Quarter

	Flight Date							
	2018				**2019**			
State	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Virginia	33.82	39.75	41.16	31.36	35.50	40.96	41.04	30.87
Washington	24.78	26.31	29.36	29.32	38.82	30.25	29.04	27.72
West Virginia	35.63	74.25	55.43	98.06	87.75	55.50	14.06	23.07
Wisconsin	30.36	33.41	31.33	27.05	30.41	34.08	30.96	25.57
Wyoming	34.27	70.38	46.10	85.54	84.66	51.86	74.03	52.40

Avg. Dep Delay

11.55 — 103.92

The states with the highest average departure delays are North Dakota, West Virginia, and Wyoming. These three states had the highest average delays in Q1 of 2019. North Dakota had the highest average departure delay of any state or time period with 103.92 minutes in quarter three of 2018, as well as pretty high delays in quarters one and two of 2018 and quarter one of 2019. West Virginia and Wyoming both had higher delays in quarters two and four of 2018 and quarter one of 2019.

According to a news article from 2018, there was a big storm affecting flights at the end of that year in the Midwest and northern Plains. Likely this or other weather considerations caused the delays in these states.

Average Departure Delays by State

Avg. Dep Delay

24.02   61.98

Canada

1,231,483
67,968
26,641
1,610,176
72,750
449,481
95,744
18,139
397,900
17,005
73,259
89,114
1,496,084
1,505,325
220,132
5,001,714
2,134,945
2,652,358
2,590,641
64,494
2,000,657
2,112,866
9,265,475
368,990
1,621,485
382,222
1,458,329
3,611,002
112,037
332,469
3,101,298
331,576
6,348,264
10,824,224
879,624
7,655,749

United States

Mexico

224,510

Venezuela

Colombia

Based on this graphic and the table from the previous slide, it looks like the states with higher average departure delays are more often located in the
northern part of the U.S. This makes sense if weather is the largest contributing factor to flight delays.

Number of Cancelled Flights per Month and Reason

Flight Date

Cancellation Reason
- Carrier
- National Air System
- Security
- Weather
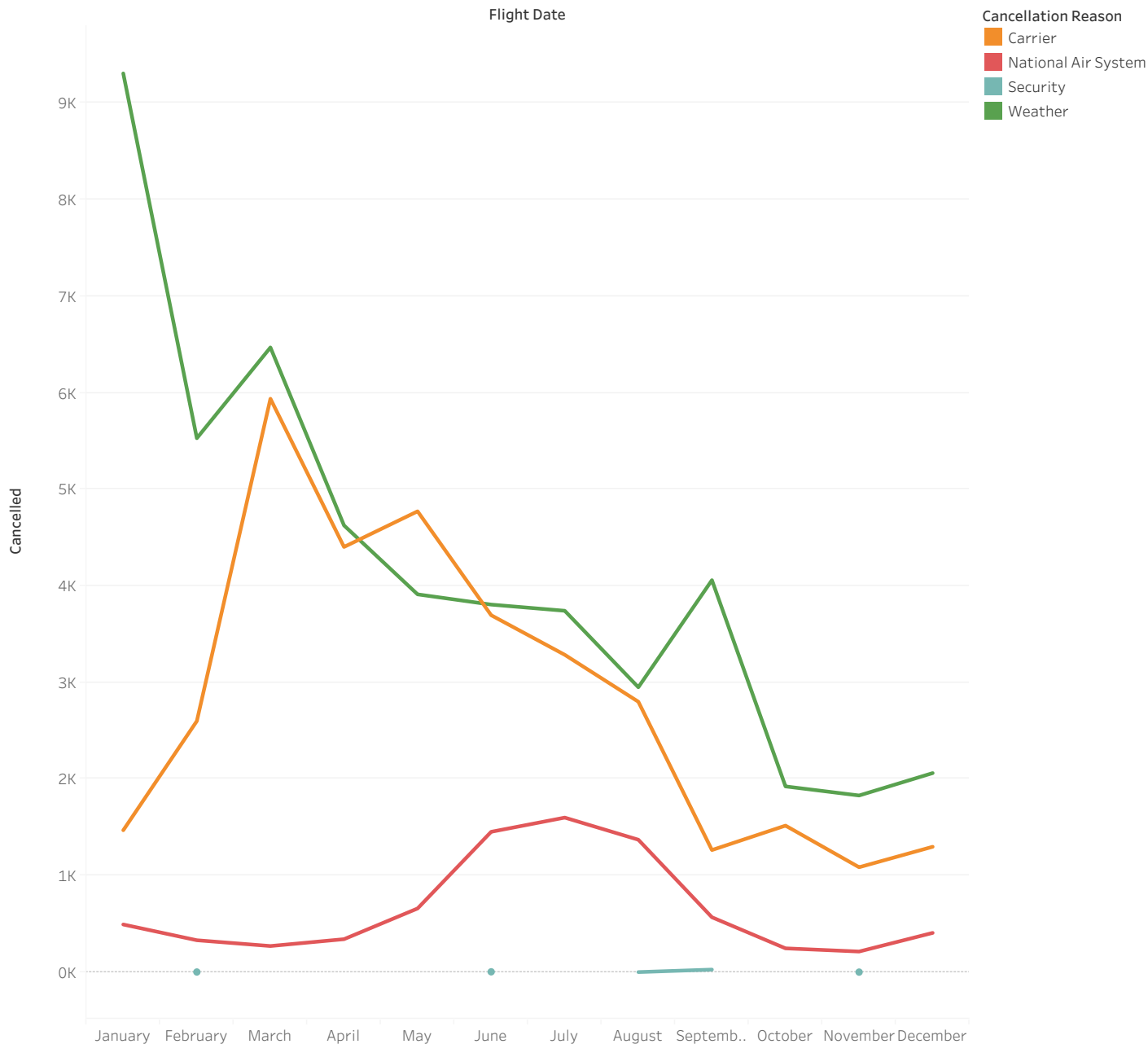
Cancellations from weather start out high and decrease as the year goes along. Cancellations because of the carrier peak in March but decrease thereafter. Cancellations because of the National Air System peak in the summer months. Delays of this sort occur when there's a high volume of flights, so this makes sense if there's increased travel in the summer.

Cancellations by Reason and State

Count of Cancellation R..

1 ▭ 8,551

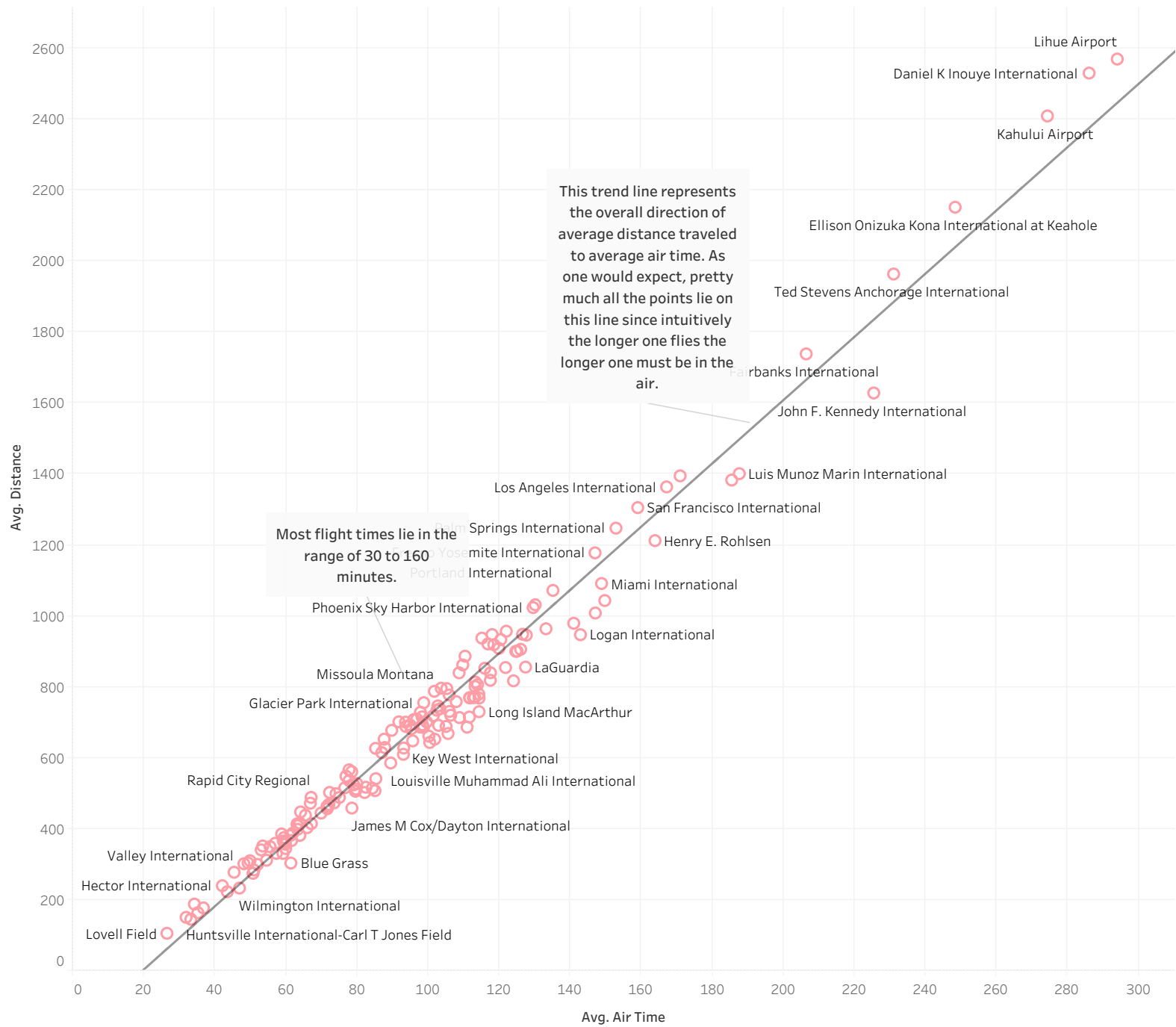| State	Carrier	National ..	Security	Weather
Alabama	33	7		69
Alaska	6		1	2
Arizona	1,653	164	12	995
Arkansas	14	2		40
California	8,280	1,799	8	2,440
Colorado	974	172		1,953
Connecticut	114	34		417
Florida	2,254	387	1	4,248
Georgia	1,116	216	2	1,871
Hawaii	143			11
Idaho	17	3		18
Illinois	1,947	643	2	6,144
Indiana	210	32	1	304
Iowa	30	1		40
Kansas	21	1		54
Kentucky	103	37		302
Louisiana	450	63	1	600
Maine	23	18		73
Maryland	1,122	807		2,149
Massachusetts	769	366		1,641
Michigan	250	58		621
Minnesota	229	60	1	893
Mississippi	1	1		9
Missouri	921	146		1,673
Montana	3	1		11
Nebraska	85	11		201

Count of Cancellation Reason broken down by Cancellation Reason vs. State. Color shows count of Cancellation Reason. The marks are labeled by count of Cancellation Reason. The view is filtered on Cancellation Reason and State. The Cancellation Reason filter keeps Carrier, National Air System, Security and Weather. The State filter keeps 51 of 51 members.
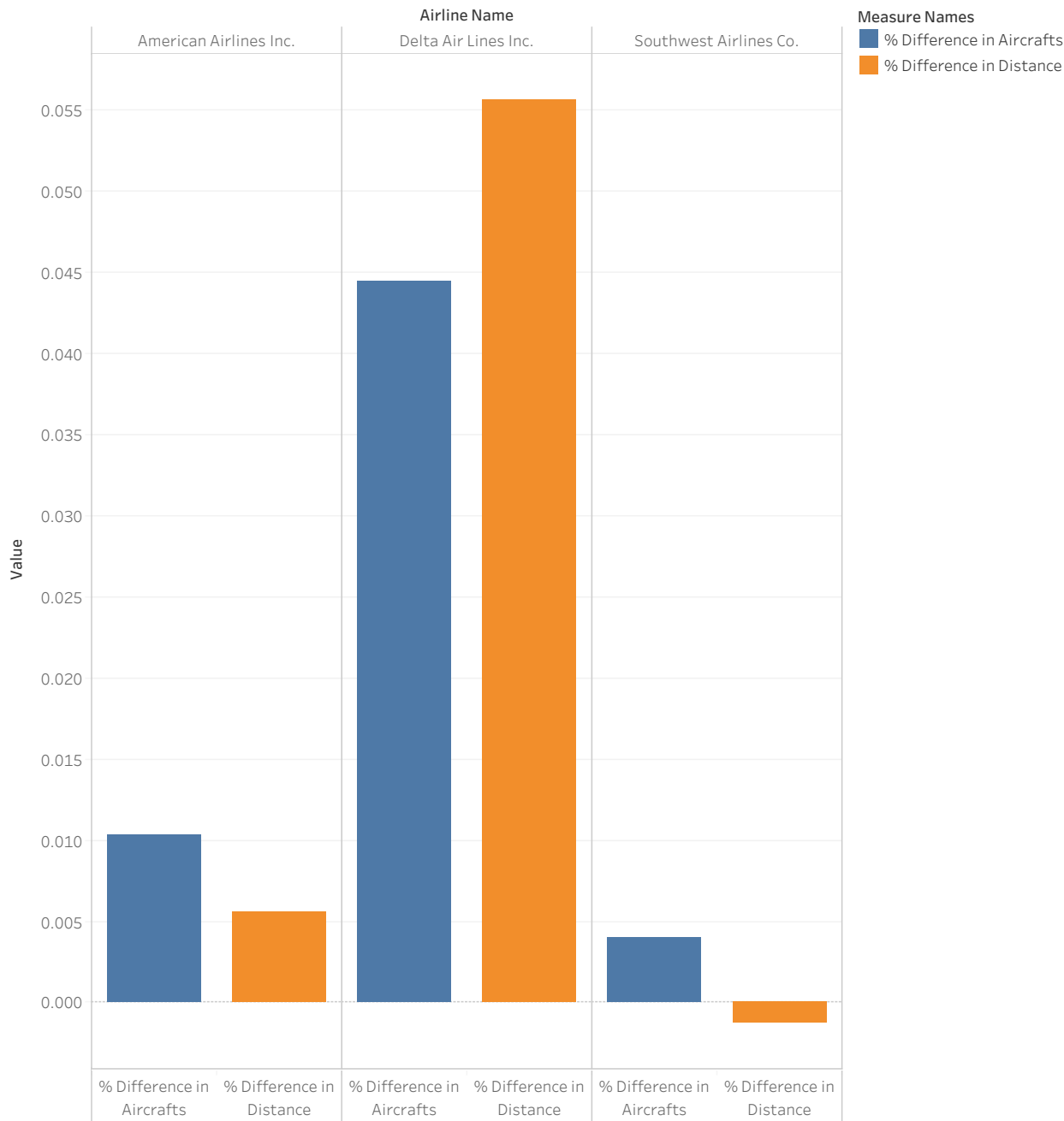
Cancellations by Reason and State

State	Cancellation Reason			
	Carrier	National ..	Security	Weather
Nevada	1,426	210		825
New Hampshire	43	32		132
New Jersey	218	201		573
New Mexico	92	13		209
New York	1,165	679		3,235
North Carolina	1,282	304	2	2,731
North Dakota	1			19
Ohio	292	58		554
Oklahoma	153	9		357
Oregon	157	22		134
Pennsylvania	900	215		1,894
Puerto Rico	57	6		50
Rhode Island	87	48		306
South Carolina	58	22		430
South Dakota	1			12
Tennessee	612	112		914
Texas	5,402	609	3	8,551
U.S. Virgin Islands	5			6
Utah	141	20		221
Vermont	13	3		5
Virginia	823	297		1,643
Washington	278	34		286
West Virginia	1			
Wisconsin	158	38	1	340
Wyoming	8	1		19

Count of Cancellation R..

1 — 8,551

Count of Cancellation Reason broken down by Cancellation Reason vs. State. Color shows count of Cancellation Reason. The marks are labeled by count of Cancellation Reason. The view is filtered on Cancellation Reason and State. The Cancellation Reason filter keeps Carrier, National Air System, Security and Weather. The State filter keeps 51 of 51 members.

Average Flight Time vs. Average Distance Traveled

Avg. Distance (y-axis): 0, 200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400, 2600

Avg. Air Time (x-axis): 0, 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300

Data point labels:
- Lihue Airport
- Daniel K Inouye International
- Kahului Airport
- Ellison Onizuka Kona International at Keahole
- Ted Stevens Anchorage International
- Fairbanks International
- John F. Kennedy International
- Luis Munoz Marin International
- Los Angeles International
- San Francisco International
- Palm Springs International
- Yosemite International
- Henry E. Rohlsen
- Portland International
- Miami International
- Phoenix Sky Harbor International
- Logan International
- Missoula Montana
- LaGuardia
- Glacier Park International
- Long Island MacArthur
- Key West International
- Rapid City Regional
- Louisville Muhammad Ali International
- James M Cox/Dayton International
- Valley International
- Blue Grass
- Hector International
- Wilmington International
- Lovell Field
- Huntsville International-Carl T Jones Field

Annotation 1: This trend line represents the overall direction of average distance traveled to average air time. As one would expect, pretty much all the points lie on this line since intuitively the longer one flies the longer one must be in the air.

Annotation 2: Most flight times lie in the range of 30 to 160 minutes.

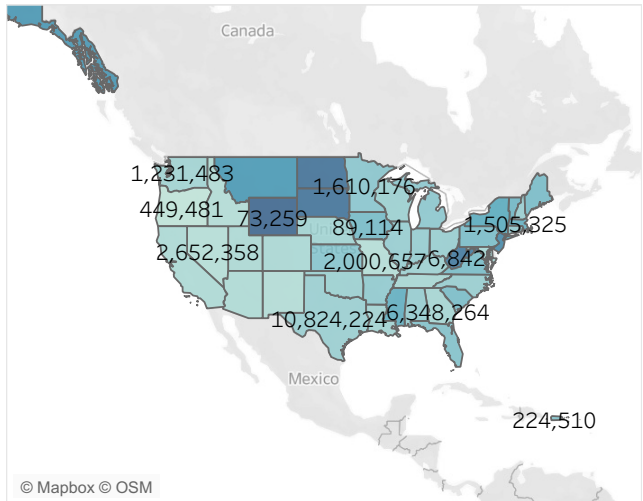# Year Over Year Growth for Distance and Aircrafts

Delta Air Lines shows by far the most growth for both total distance traveled and number of planes. Notably, Southwest Airlines has minimal growth in the number of planes and a decrease in the total distance traveled.

Average Distance Traveled by Planes per Carrier

Airline Name
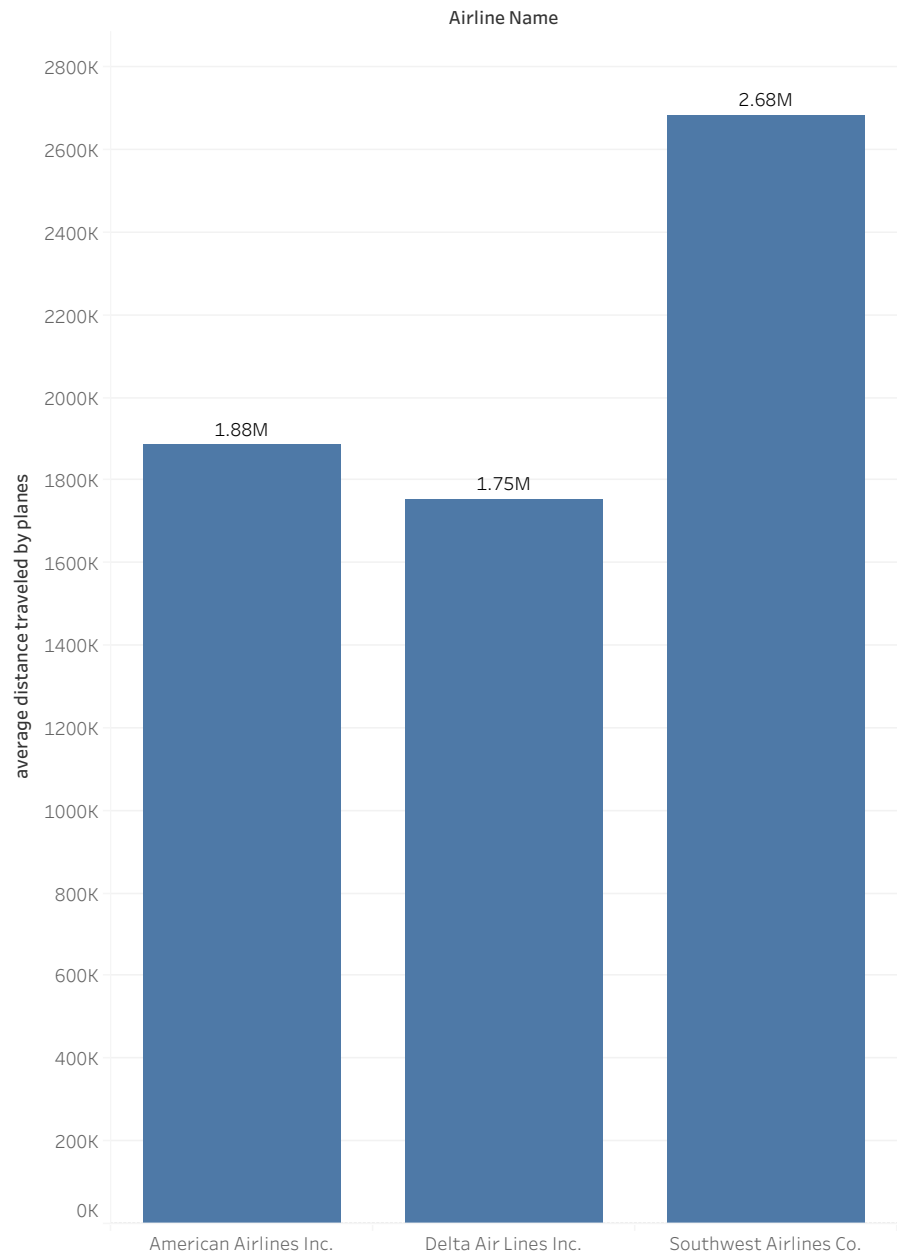
Southwest Airlines has the highest average distance traveled by plane, plus, based on the previous visualization, they have the lowest growth in the number of planes. Taken together with the fact that they cover the most distance in total (visualization Q1.1), it seems that they are the most efficient in terms of getting the most out of their aircrafts.

Average Departure Delays by State

Canada

1,231,483   1,610,176
449,481   73,259   89,114   1,505,325
2,652,358   2,000,6576,842

10,824,224   6,348,264

Mexico

224,510

© Mapbox © OSM

Cancellations by Reason and State

State	Cancellation Reason			
	Carrier	National ..	Security	Weather
Alabama	33	7		69
Alaska	6		1	2
Arizona	1,653	164	12	995
Arkansas	14	2		40
California	8,280	1,799	8	2,440
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Hawaii	143			11
Idaho	17	3		18
Illinois	1,947	643	2	6,144

Number of Cancelled Flights per Month and Reason

Flight Date

Cancelled

5K

0K

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

Avg. Dep Delay

24.02 — 61.98

State

- ✔ Alabama
- ✔ Alaska
- ✔ Arizona
- ✔ Arkansas
- ✔ California
- ✔ Colorado
- ✔ Connecticut
- ✔ Florida
- ✔ Georgia
- ✔ Hawaii
- ✔ Idaho
- ✔ Illinois
- ✔ Indiana
- ✔ Iowa
- ✔ Kansas
- ✔ Kentucky
- ✔ Louisiana
- ✔ Maine
- ✔ Maryland
- ✔ Massachusetts
- ✔ Michigan
- ✔ Minnesota
- ✔ Mississippi
- ✔ Missouri
- ✔ Montana
- ✔ Nebraska
- ✔ Nevada
- ✔ New Hampshire

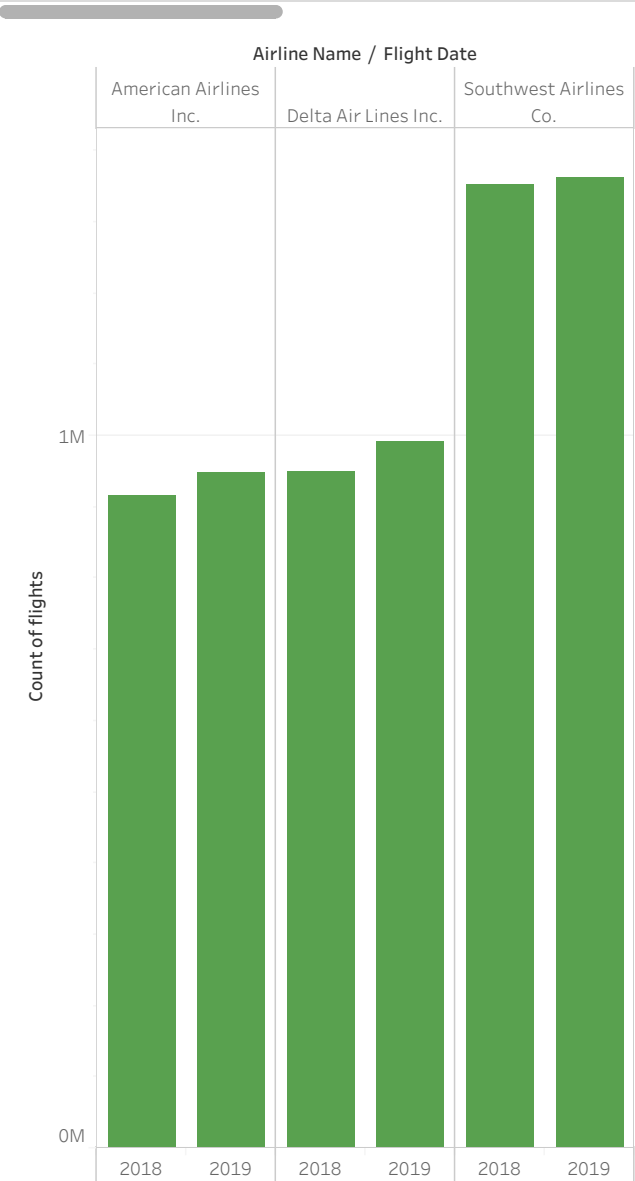### Count of Cancellation Rea..

1 — 8,551

Cancellation Reason

- Carrier
- National Air System
- Security
- Weather

Air Traffic Analysis

To start of the analysis, we'll look at a basic measure. This bar chart compares the number of total flights over 2018-2019 for each airline carrier. Southwest Airlines has the most with over 2.5 million, while Delta Air Lines and American Airlines both come in under 2 million.
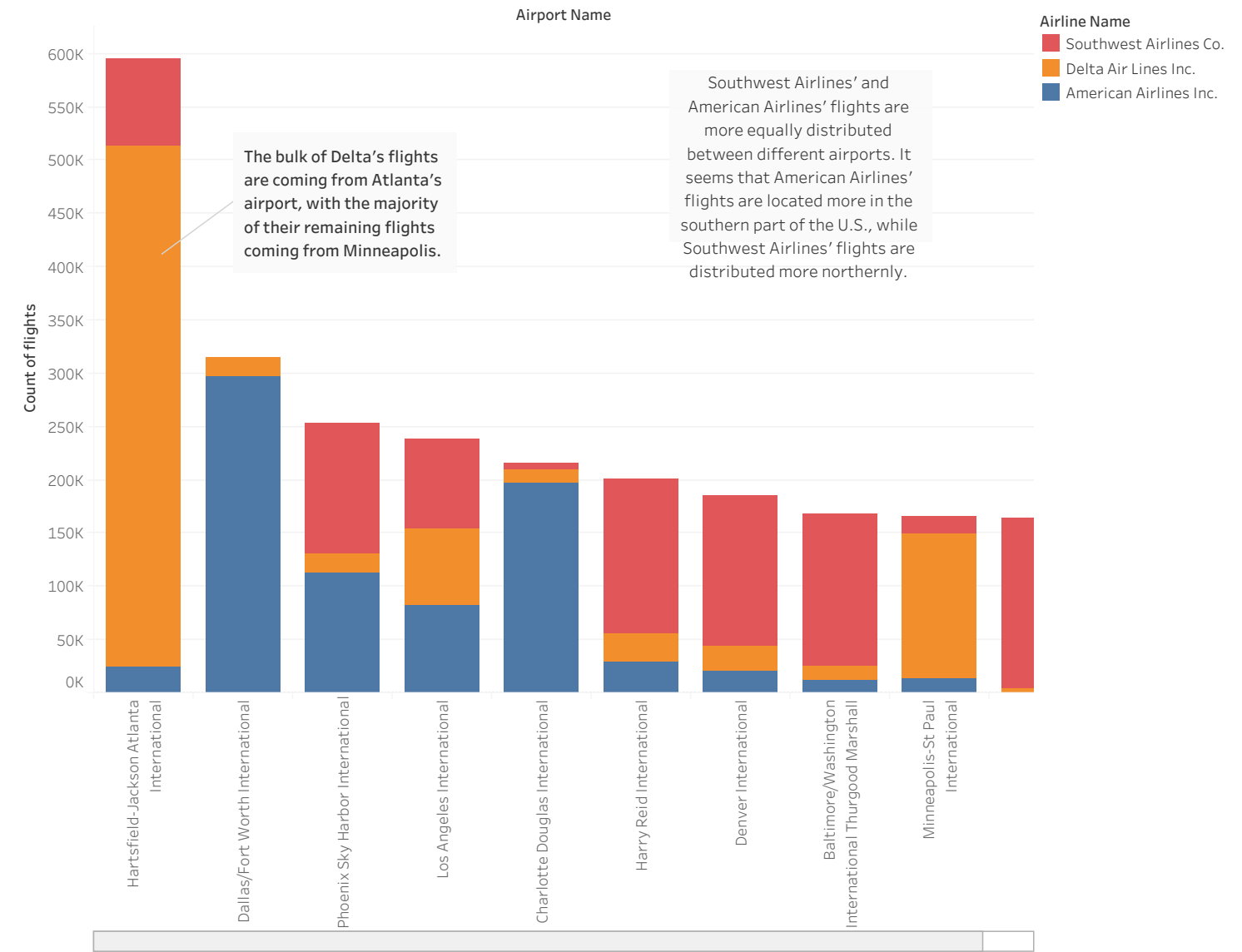
Breaking the previous measure down a bit more, here we can see how many flights each airline carrier totals each month over the same time period.

This visualization shows similar data in a different format, this time ..

Airline Name / Flight Date

American Airlines Inc.	Delta Air Lines Inc.	Southwest Airlines Co.

Count of flights

1M

0M

| 2018 | 2019 | 2018 | 2019 | 2018 | 2019 |

Air Traffic Analysis

Flight Date

Airline Name
- American Airlines Inc.
- Delta Air Lines Inc.
- Southwest Airlines Co.

As expected Southwest Airlines has more monthly flights than either of the other competitors. What's interesting to note are the dips that all three experience in February and September.

Air Traffic Analysis

Airport Name

Airline Name
- Southwest Airlines Co.
- Delta Air Lines Inc.
- American Airlines Inc.

The bulk of Delta's flights are coming from Atlanta's airport, with the majority of their remaining flights coming from Minneapolis.

Southwest Airlines' and American Airlines' flights are more equally distributed between different airports. It seems that American Airlines' flights are located more in the southern part of the U.S., while Southwest Airlines' flights are distributed more northernly.

Count of flights axis: 0K, 50K, 100K, 150K, 200K, 250K, 300K, 350K, 400K, 450K, 500K, 550K, 600K

Airports: Hartsfield-Jackson Atlanta International, Dallas/Fort Worth International, Phoenix Sky Harbor International, Los Angeles International, Charlotte Douglas International, Harry Reid International, Denver International, Baltimore/Washington International Thurgood Marshall, Minneapolis-St Paul International

Air Traffic Analysis

Here we start an analysis of delayed and cancelled flights. This chart shows the number of delayed flights per month in 2019.
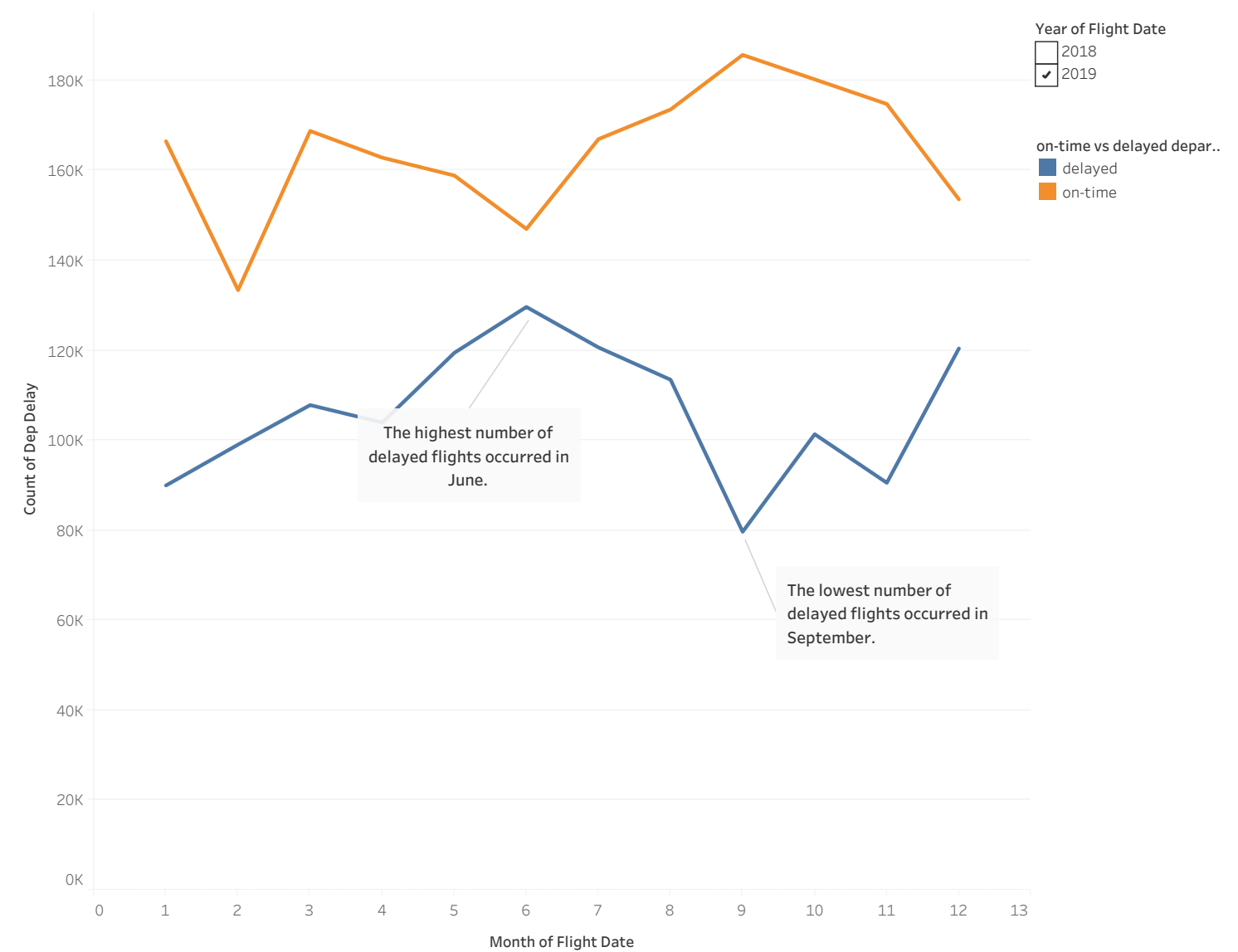
Year of Flight Date
2018
✔ 2019

on-time vs delayed depar..
delayed
on-time

The highest number of delayed flights occurred in June.

The lowest number of delayed flights occurred in September.

Count of Dep Delay

Month of Flight Date

Air Traffic Analysis

Here we start an analysis of delayed and cancelled flights. This chart shows the number of delayed flights per month in 2019.

This chart goes more in depth into the average departure delay times, but this time per state. The three states with the highest average delay times are North Dakota, West Viriginia, and Wyoming.

Here we can view similar data in a more intuitive geographic visual. We can see that it's largely states in the northern part of the U.S. that have higher average departure delays.

on-time vs delayed depar..
- ✔ delayed
- ☐ on-time

Avg. Dep Delay
11.55   103.92

Flight Date

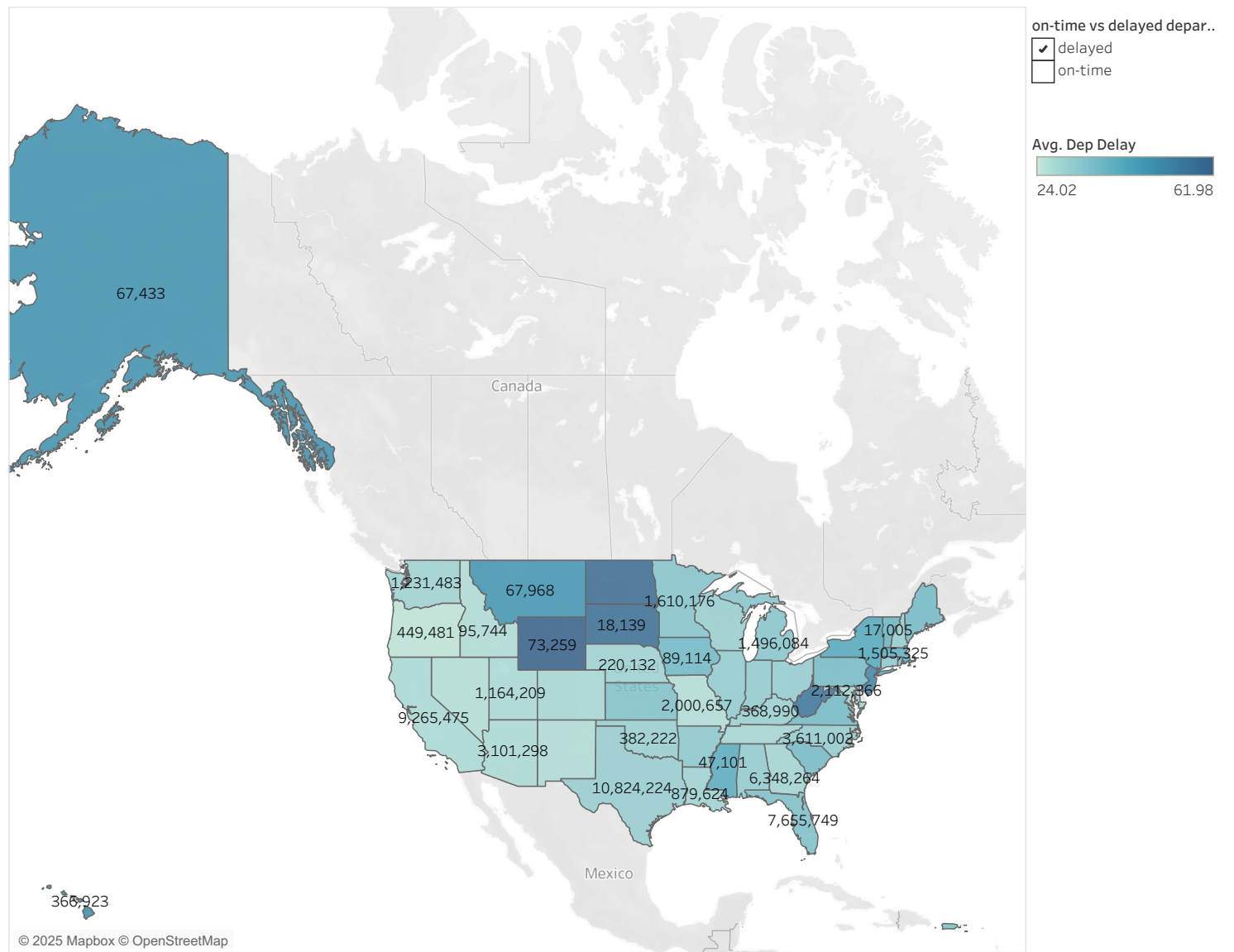| State	2018				2019			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Alabama	26.80	34.82	35.89	24.33	29.03	40.02	35.13	26.68
Alaska	48.26	57.21	52.55	58.93	41.58	52.91	35.58	54.57
Arizona	24.62	25.66	32.49	24.32	26.12	29.36	28.82	25.13
Arkansas	28.23	33.68	33.84	21.35	27.54	36.46	43.43	33.57
California	27.82	26.95	27.41	26.06	28.65	28.52	26.55	26.88
Colorado	25.78	29.15	29.41	22.28	29.24	32.27	28.78	25.77
Connecticut	25.87	33.45	33.98	31.54	29.98	35.04	39.74	29.31
Florida	29.25	36.54	42.23	30.66	31.46	40.18	41.91	27.83
Georgia	25.89	32.03	32.28	23.76	25.96	32.97	32.74	21.79
Hawaii	52.03	53.32	59.89	53.51	52.62	46.73	53.29	42.25
Idaho	26.96	26.15	27.15	23.44	24.04	34.62	25.60	22.15
Illinois	25.07	33.04	33.82	26.98	34.16	35.75	36.10	26.09
Indiana	31.49	37.49	32.31	27.73	31.42	35.00	32.69	25.40
Iowa	30.57	42.22	32.99	37.19	47.33	43.13	35.10	32.85
Kansas	40.86	32.55	38.51	24.46	31.91	43.18	31.40	31.62
Kentucky	28.74	31.82	32.01	24.49	30.58	35.09	31.20	25.72
Louisiana	26.60	30.64	31.78	26.49	25.20	33.42	30.65	27.98
Maine	33.95	42.26	42.98	38.89	40.89	33.61	35.47	25.02
Maryland	22.55	29.17	33.15	28.83	28.99	29.76	30.78	23.09
Massachusetts	33.30	37.17	43.33	35.28	47.18	41.34	42.94	40.22
Michigan	34.23	33.08	34.33	24.85	34.46	36.53	39.39	28.92
Minnesota	30.82	34.82	35.45	25.46	38.95	35.36	38.24	29.23
Mississippi	33.07	38.80	63.91	39.34	36.64	37.17	40.90	36.91
Missouri	24.02	27.00	27.48	23.85	25.89	29.10	25.77	24.17
Montana	55.13	50.46	38.18	50.69	55.18	40.67	46.93	52.26
Nebraska	27.80	31.13	34.00	25.18	30.72	32.56	29.17	25.37
Nevada	24.87	24.96	27.85	23.02	27.39	28.73	24.73	25.50
New Hampshire	30.97	26.57	35.89	29.23	35.12	31.78	33.05	25.68
New Jersey	39.49	51.70	59.84	38.85	47.99	62.78	62.56	46.92
New Mexico	25.98	28.77	27.70	25.09	25.11	26.86	24.91	25.61
New York	36.34	40.71	47.50	33.93	38.80	46.93	53.03	35.89
North Carolina	29.11	30.31	34.13	25.17	27.46	37.35	37.12	26.17
North Dakota	77.11	81.65	103.92	36.39	91.00	42.46	23.92	36.38
Ohio	32.70	32.59	33.54	28.08	30.55	34.99	32.32	24.36
Oklahoma	29.63	31.65	30.72	27.59	29.60	35.02	32.23	26.33

Air Traffic Analysis

This chart goes more in depth into the average departure delay times, but this time per state. The three states with the highest average delay times are North Dakota, West ..

Here we can view similar data in a more intuitive geographic visual. We can see that it's largely states in the northern part of the U.S. that have higher average departure delays.

Now we look at the numbers of cancelled flights instead of delayed. This chart shows how many flights were cancelled in each month broken up by cancellation reason.

on-time vs delayed depar..
- ✔ delayed
- ☐ on-time

Avg. Dep Delay
24.02 — 61.98

67,433

1,231,483 67,968 1,610,176 17,005
449,481 95,744 18,139 1,496,084 1,505,325
73,259 89,114 2,112,866
220,132
1,164,209 2,000,657 368,990
9,265,475 382,222 3,611,002
3,101,298 47,101
10,824,224 879,624 6,348,264
7,655,749

366,923

Canada
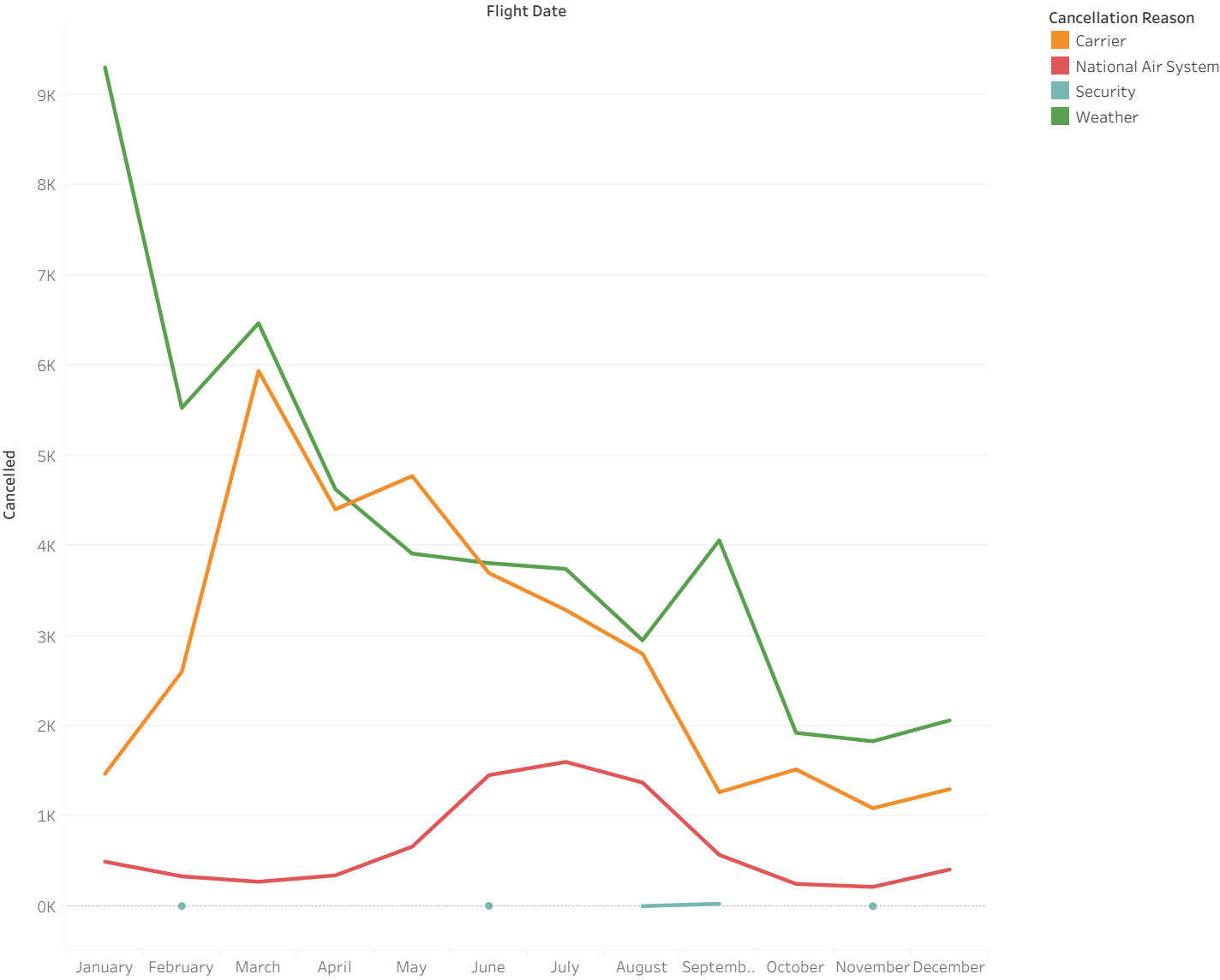
United States

Mexico

© 2025 Mapbox © OpenStreetMap

Air Traffic Analysis

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Now we want to estimate the costs for each airline. We'll start with this chart that shows the average distance compared to the average air time per flight. Unsurprisingly, the airports tha..
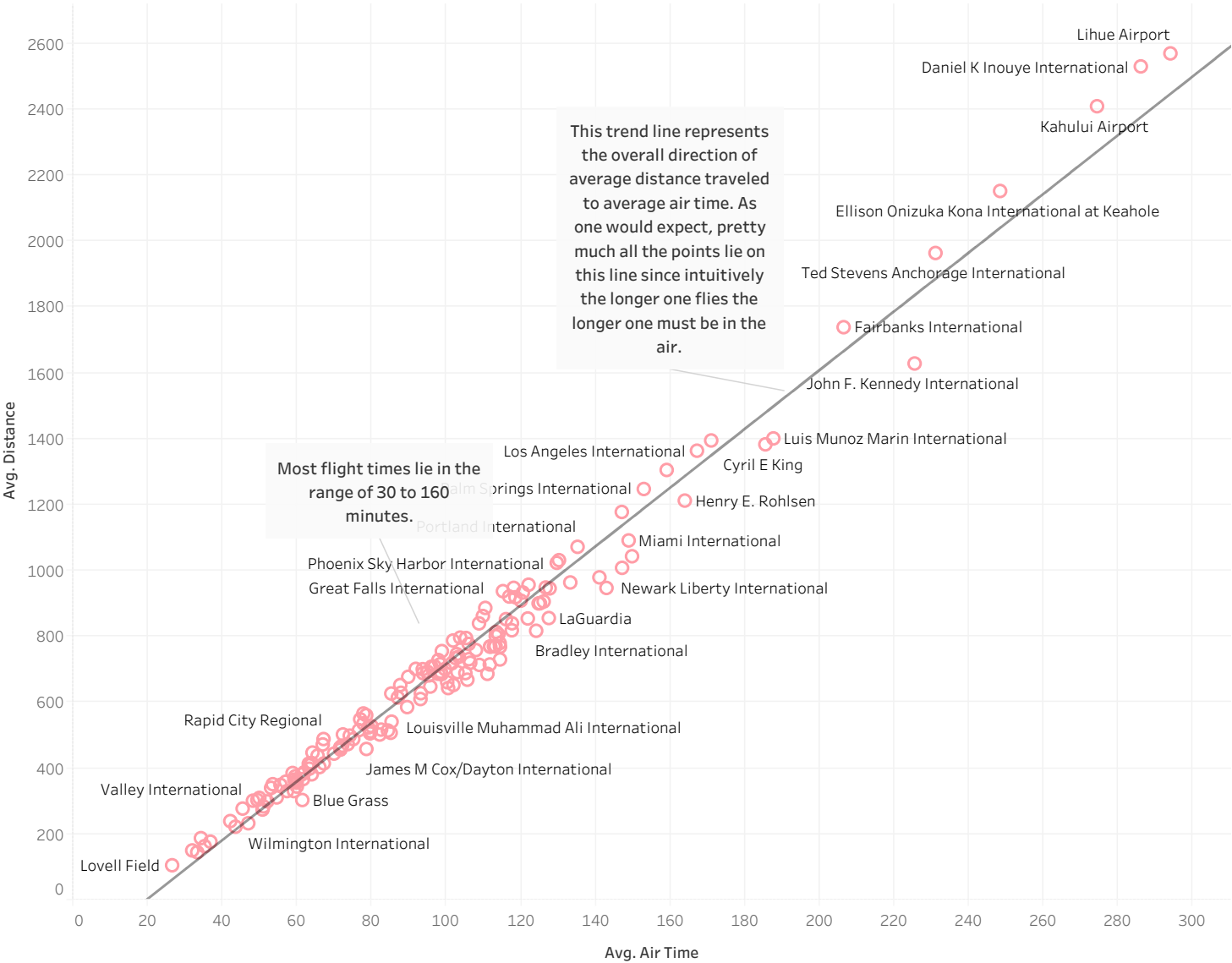
Flight Date

Cancellation Reason
- Carrier
- National Air System
- Security
- Weather

Air Traffic Analysis

This trend line represents the overall direction of average distance traveled to average air time. As one would expect, pretty much all the points lie on this line since intuitively the longer one flies the longer one must be in the air.

Most flight times lie in the range of 30 to 160 minutes.

Axis label (y): Avg. Distance

Axis label (x): Avg. Air Time

Labeled points:
- Lihue Airport
- Daniel K Inouye International
- Kahului Airport
- Ellison Onizuka Kona International at Keahole
- Ted Stevens Anchorage International
- Fairbanks International
- John F. Kennedy International
- Luis Munoz Marin International
- Cyril E King
- Los Angeles International
- Palm Springs International
- Henry E. Rohlsen
- Portland International
- Miami International
- Phoenix Sky Harbor International
- Great Falls International
- Newark Liberty International
- LaGuardia
- Bradley International
- Rapid City Regional
- Louisville Muhammad Ali International
- James M Cox/Dayton International
- Valley International
- Blue Grass
- Wilmington International
- Lovell Field

Air Traffic Analysis

Now we want to estimate the costs for each airline. We'll start with this chart that shows the average distance compared to the average air time per flight. Unsurprisingly, t..

Here we see the Year over Year Growth for planes and for total distance by airline. Delta Air Lines shows the highest growth by far, which can be interpreted as a positive sign for the company. However, Southwest Airlines' lack of growth could indicate higher efficiency in terms of plane ..

This graphic shows the average distance traveled by each plane owned by the different airlines. Southwest Airlines has the highest average, which again, could indicate higher effi..

Airline Name

Measure Names
- ■ % Difference in Aircra..
- ■ % Difference in Dista..
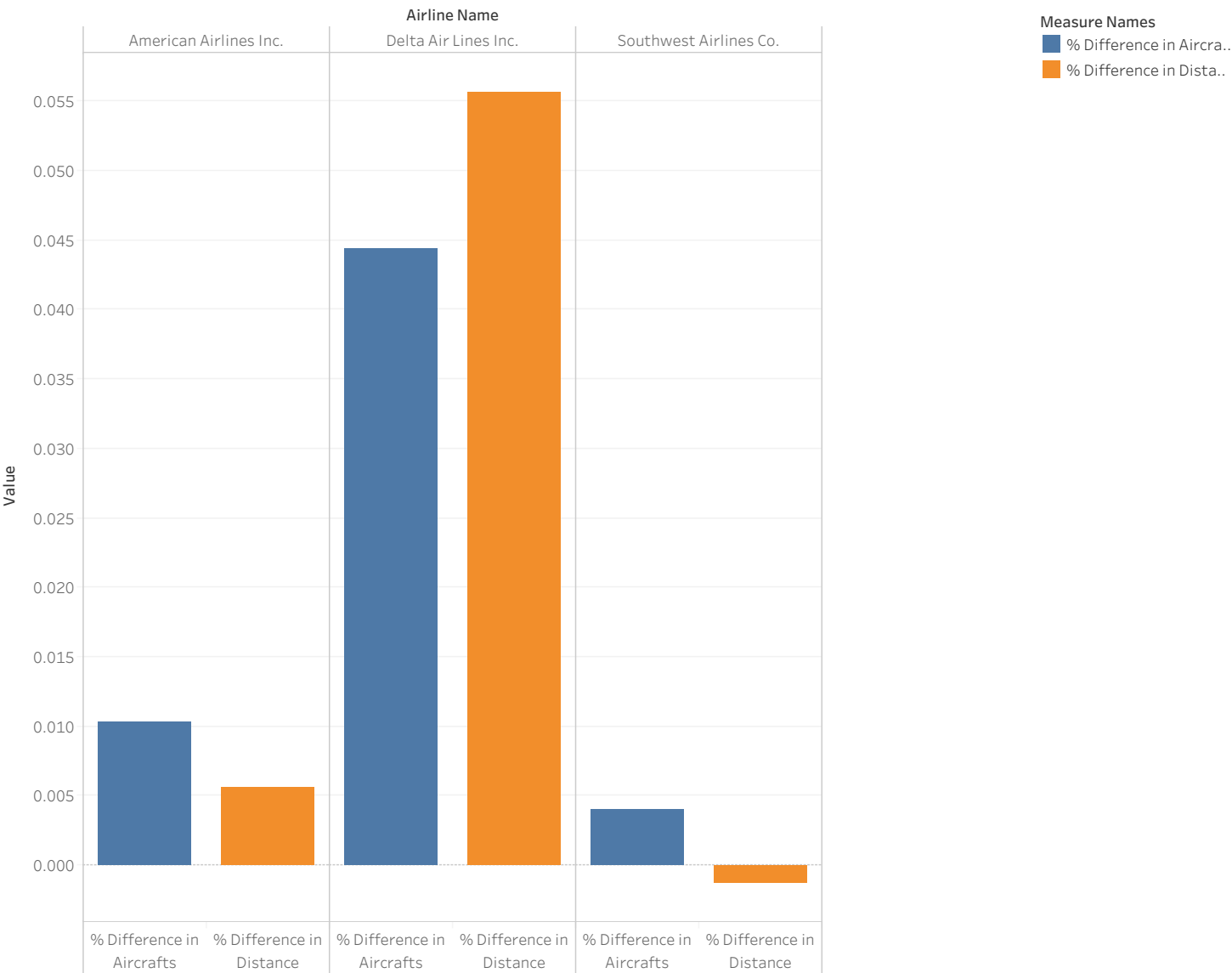
Air Traffic Analysis

Here we see the Year over Year Growth for planes and for total distance by airline. Delta Air Lines shows the highest growth by far, which can be interpreted as a positive sign f..

This graphic shows the average distance traveled by each plane owned by the different airlines. Southwest Airlines has the highest average, which again, could indicate higher efficiency, however it could also mean higher equipment costs.

This chart shows the number of cancellations broken up by reason and state. It should help ascertain where most cancellations are happening, and by combining this information ..

Airline Name
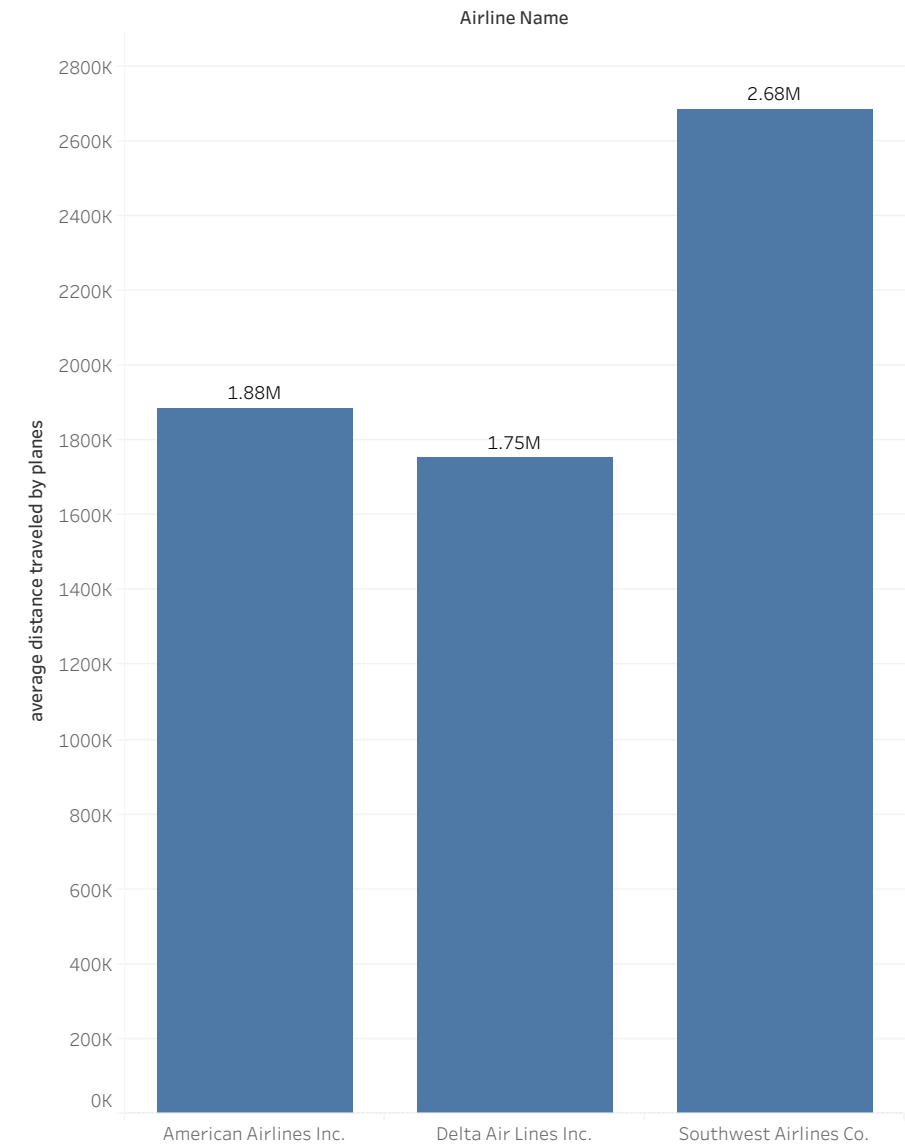
Air Traffic Analysis

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This chart shows the number of cancellations broken up by reason and state. It should help ascertain where most cancellations are happening, and by combining this information with the airlines' frequent origin airports, could help determine which airlines are more susceptible to can..

This dashboard shows a cohesive view of cancellations and delays. The filters on the side allow for varied views.

| | Cancellation Reason | | | |
State	Carrier	National ..	Security	Weather
Alabama	33	7		69
Alaska	6		1	2
Arizona	1,653	164	12	995
Arkansas	14	2		40
California	8,280	1,799	8	2,440
Colorado	974	172		1,953
Connecticut	114	34		417
Florida	2,254	387	1	4,248
Georgia	1,116	216	2	1,871
Hawaii	143			11
Idaho	17	3		18
Illinois	1,947	643	2	6,144
Indiana	210	32	1	304
Iowa	30	1		40
Kansas	21	1		54
Kentucky	103	37		302
Louisiana	450	63	1	600
Maine	23	18		73
Maryland	1,122	807		2,149
Massachusetts	769	366		1,641
Michigan	250	58		621
Minnesota	229	60	1	893
Mississippi	1	1		9
Missouri	921	146		1,673
Montana	3	1		11
Nebraska	85	11		201
Nevada	1,426	210		825
New Hampshire	43	32		132
New Jersey	218	201		573
New Mexico	92	13		209
New York	1,165	679		3,235
North Carolina	1,282	304	2	2,731
North Dakota	1			19
Ohio	292	58		554
Oklahoma	153	9		357
Oregon	157	22		134

State

- ✔ Alabama
- ✔ Alaska
- ✔ Arizona
- ✔ Arkansas
- ✔ California
- ✔ Colorado
- ✔ Connecticut
- ✔ Florida
- ✔ Georgia
- ✔ Hawaii
- ✔ Idaho
- ✔ Illinois
- ✔ Indiana
- ✔ Iowa
- ✔ Kansas
- ✔ Kentucky
- ✔ Louisiana
- ✔ Maine
- ✔ Maryland
- ✔ Massachusetts
- ✔ Michigan
- ✔ Minnesota
- ✔ Mississippi
- ✔ Missouri
- ✔ Montana
- ✔ Nebraska
- ✔ Nevada
- ✔ New Hampshire
- ✔ New Jersey
- ✔ New Mexico
- ✔ New York
- ✔ North Carolina
- ✔ North Dakota
- ✔ Ohio
- ✔ Oklahoma
- ✔ Oregon
- ✔ Pennsylvania
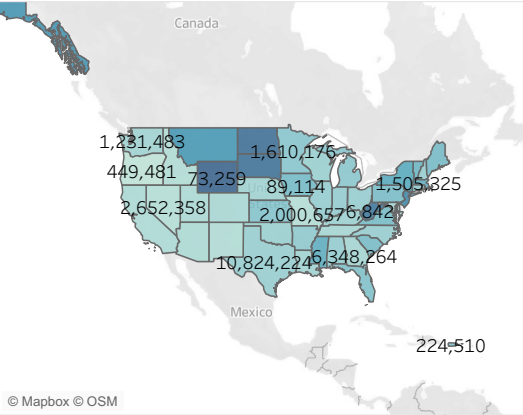
Count of Cancellation Rea..

1 ▬▬▬▬ 8,551

Air Traffic Analysis

This graphic shows the average distance traveled by each plane ow..

This chart shows the number of cancellations broken up by reason and state. It should help ascertain where most cancellations are happening, and by combining this information with the airlines' frequent origin airports, could help determine which airlines are more susceptible to can..
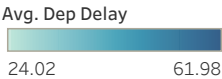
This dashboard shows a cohesive view of cancellations and delays. The filters on the side allow for varied views.

Avg. Dep Delay

24.02 — 61.98

Average Departure Delays by State

Canada

1,231,483
1,610,176
449,481
73,259
89,114
1,505,325
2,652,358
2,000,657 6,842
10,824,224 6,348,264

Mexico

224,510

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Cancellations by Reason and State

State	Cancellation Reason			
	Carrier	National ..	Security	Weather
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Idaho	17	3		18
Illinois	1,947	643	2	6,144

State

- ✔ Alabama
- ✔ Alaska
- ✔ Arizona
- ✔ Arkansas
- ✔ California
- ✔ Colorado
- ✔ Connecticut
- ✔ Florida
- ✔ Georgia
- ✔ Hawaii
- ✔ Idaho
- ✔ Illinois
- ✔ Indiana
- ✔ Iowa
- ✔ Kansas
- ✔ Kentucky
- ✔ Louisiana
- ✔ Maine
- ✔ Maryland
- ✔ Massachusetts
- ✔ Michigan
- ✔ Minnesota
- ✔ Mississippi
- ✔ Missouri
- ✔ Montana
- ✔ Nebraska
- ✔ Nevada
- ✔ New Hampshire

Number of Cancelled Flights per Month and Reason

Flight Date

Cancelled
5K
0K

January, February, March, April, May, June, July, August, September, October, November, December

Count of Cancellation Rea..

1 — 8,551

Cancellation Reason

- Carrier
- National Air System
- Security
- Weather