

## US Domestic Flights Analysis

Title	Statistics	Problem Statement	Data Information	Flight connectivity	Flight tracker	Airline delays	Airline delay score	Cancel Rate (..
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US Domestic Flights Analysis and Visualization

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# U.S. Domestic Air Traffic Statistics

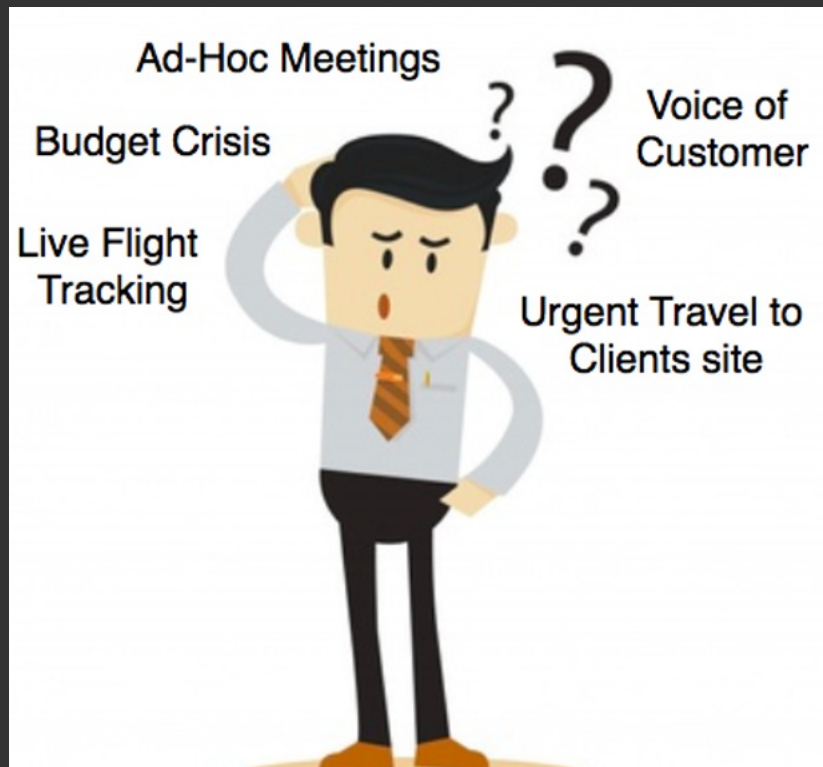


**THE BUSIEST DOMESTIC ROUTE IN THE USA IS BETWEEN LOS ANGELES AND SAN FRANCISCO**

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### Business Problem

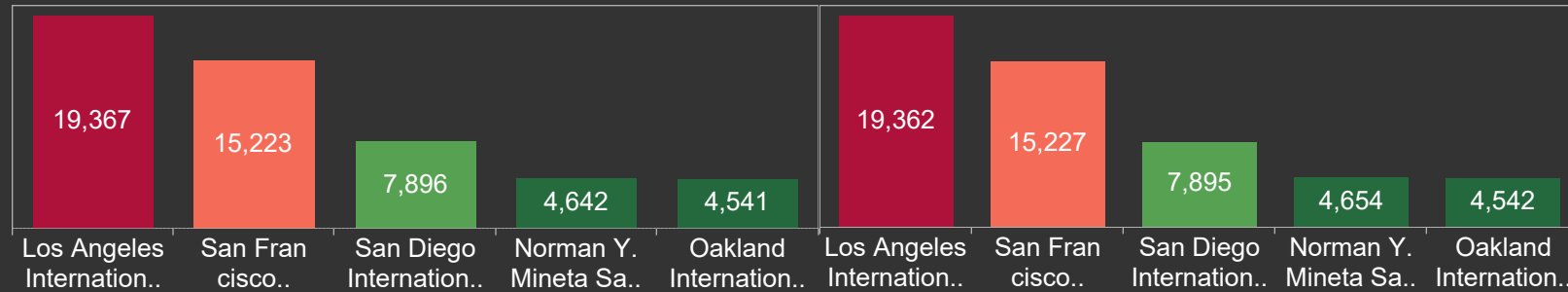


**Data Source:** US Bureau of Transportation and Statistics & Twitter

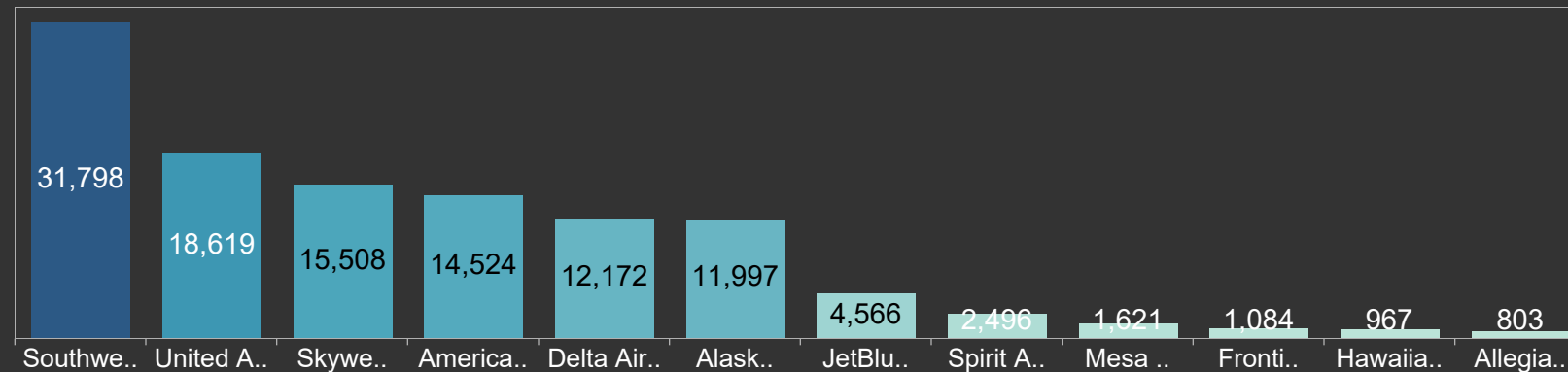
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### Busiest Airports (Number of (Number of Outbound Flights) - Inbound Flights) VS June 2018



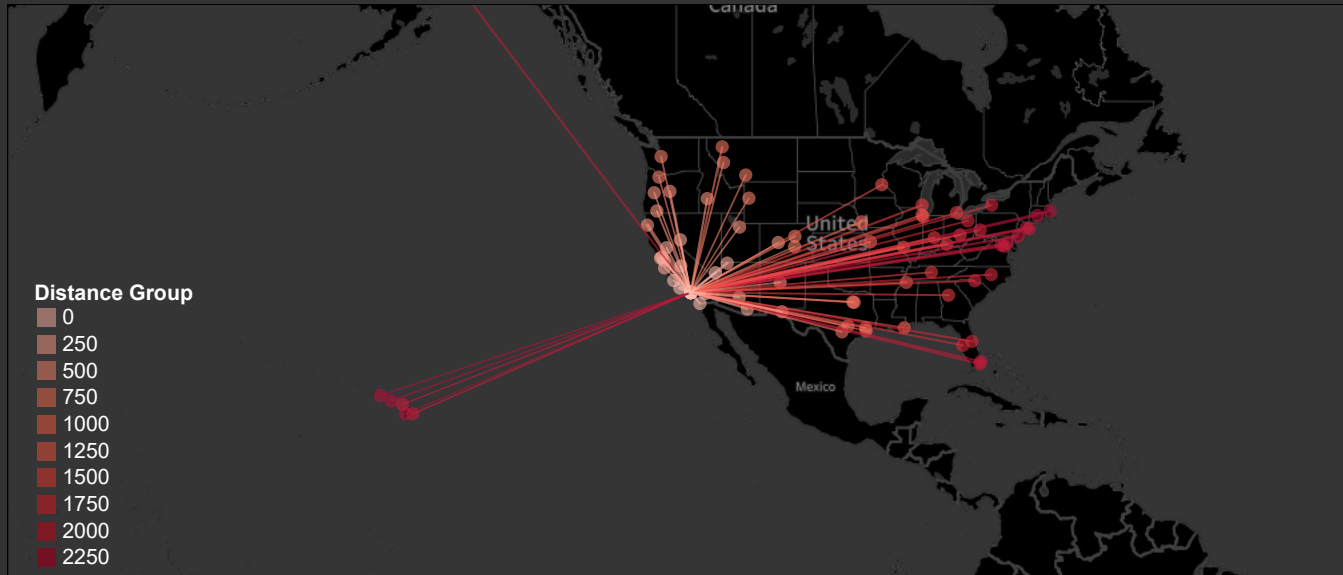
### Airline Traffic - June 2018



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### Flight Connectivity



#### Weekday of FI Date

- ☒ Sunday
- ☒ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday
- ☐ Saturday

#### Dest

All

#### Origin

LAX

#### Frequency

12.0 499.0

#### Avg Price

226.3 656.2

#### Avg. Actual Elapse..

98.3 341.7

### Flight Frequency

(Cummulative Flights / day)

### Average Price

(\$)

### Avg. Flight Time

(mins)

Airline	FI Date		FI Date		FI Date	
	Sunday	Monday	Sunday	Monday	Sunday	Monday
Alaska Airlines I..	275.0	271.0	398.4	402.8	201.2	200.1
American Airline..	464.0	468.0	541.6	539.2	259.5	256.5
Delta Air Lines In..	452.0	457.0	375.5	379.5	212.3	215.0
Frontier Airlines I	12.0	12.0	338.3	320.6	198.2	178.4

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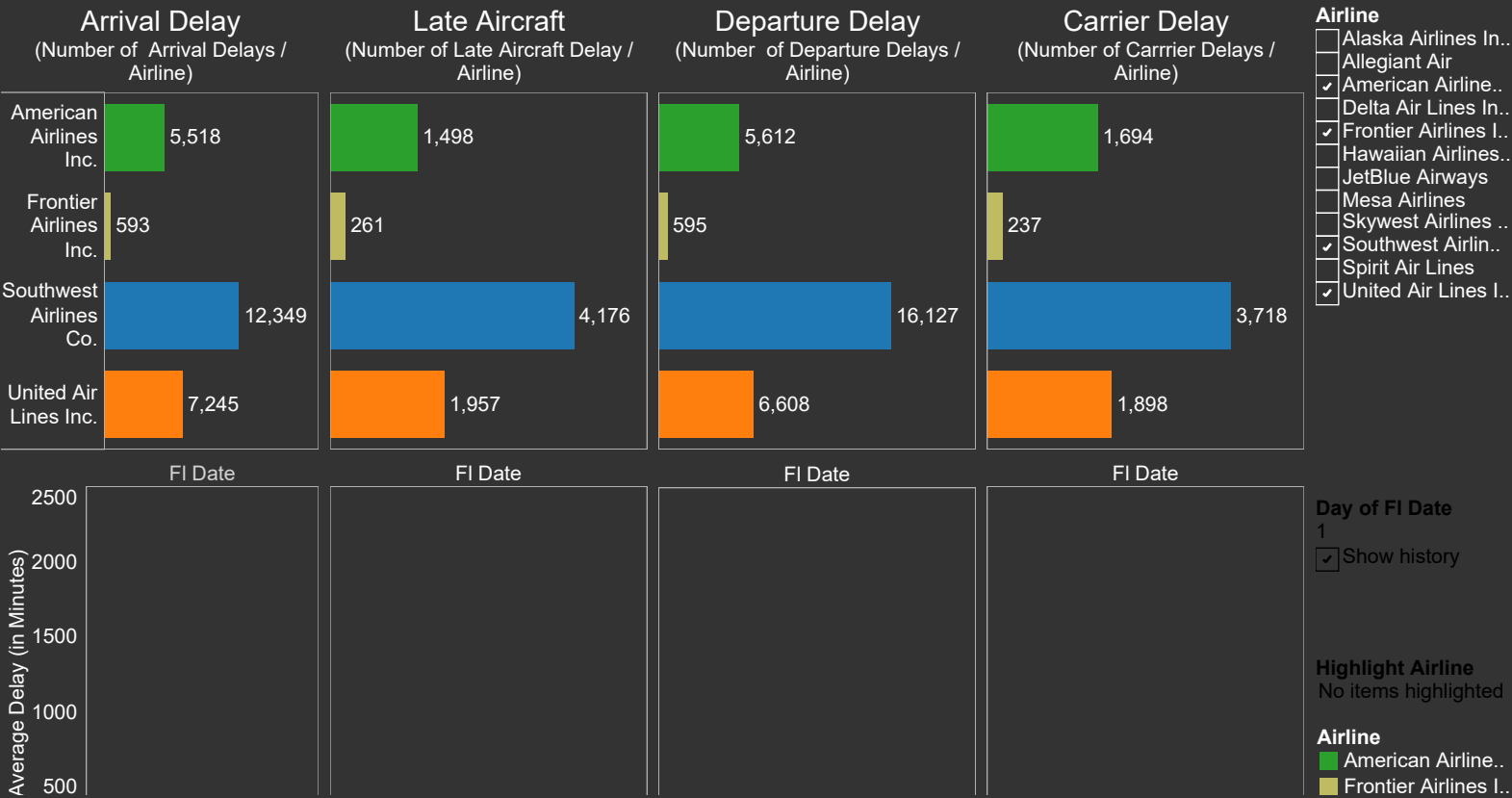
Live Flight Tracking (Departures / Arrivals) Across USA



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Airline Delays



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### Airport Delay Score

San Francisco International Airport	34.57
Los Angeles International Airport	31.17
San Diego International Airport (Lindbergh Field)	26.53
Norman Y. Mineta San José International Airport	24.62
Phoenix Sky Harbor International Airport	24.60
McCarran International Airport	24.49
Oakland International Airport	24.28
Sacramento International Airport	24.10
John Wayne Airport (Orange County Airport)	22.83
Seattle-Tacoma International Airport	22.13

### Airline Delay Score

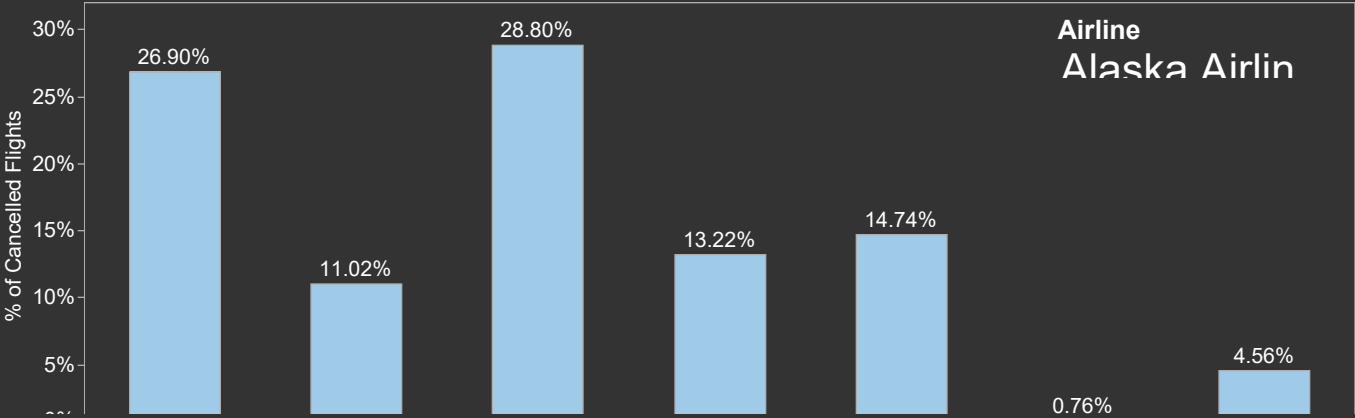
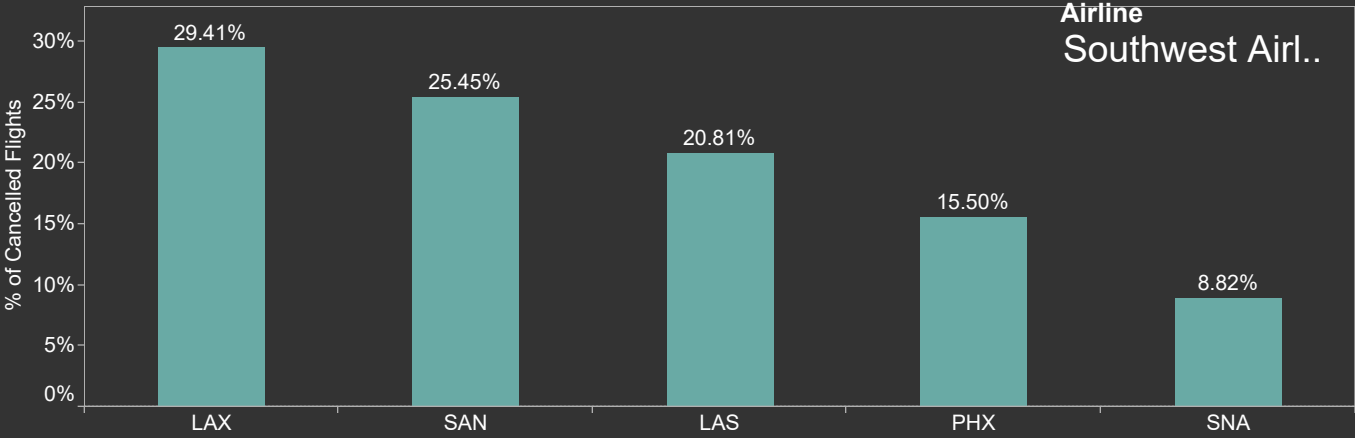
Frontier Airlines Inc.	75.63
Allegiant Air	72.75
Skywest Airlines Inc.	66.02
Mesa Airlines	65.96
United Air Lines Inc.	62.15
Delta Air Lines Inc.	58.74
American Airlines Inc.	57.28
Southwest Airlines Co.	49.43
JetBlue Airways	46.53



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Airline Comparision of Cancellation rates



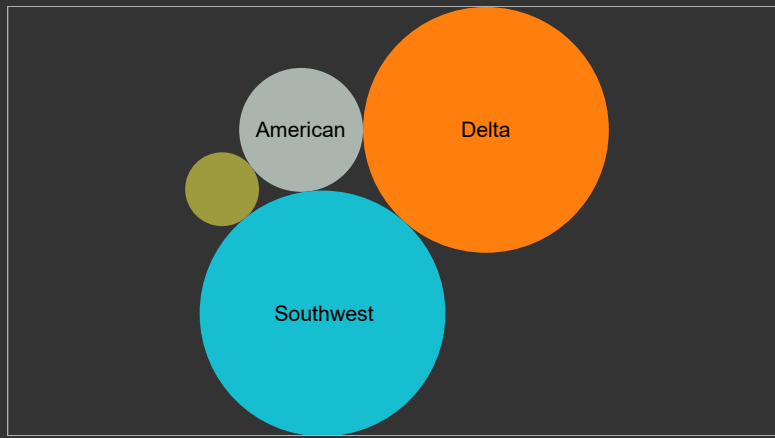
Origin  
SFO

- Weekday of Fl ..
- ☒ Sunday
  - ☒ Monday
  - ☒ Tuesday
  - ☒ Wednes..
  - ☒ Thursday
  - ☒ Friday
  - ☒ Saturday

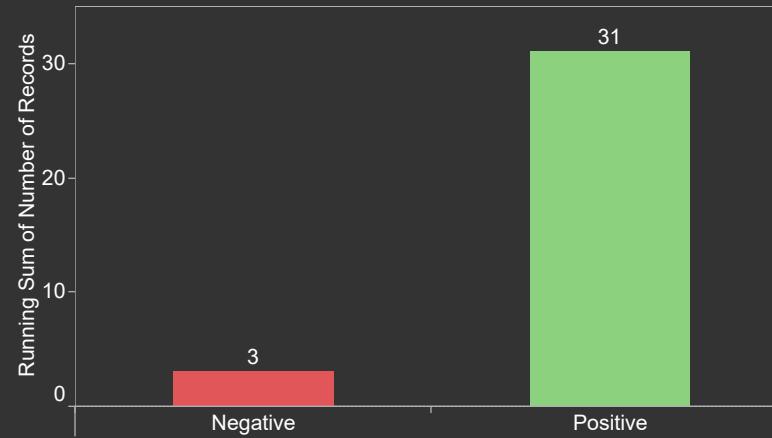
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### Number of Tweets



### Sentiment Analysis



### Actual tweets

#### Tweet

@billburr It's getting worse.... <a href="https://t.co/CJhDu3FZ8K">https://t.co/CJhDu3FZ8K</a> via @CNNTTravel	-0.400
@DanBernalSF Discrimination has no place at American Airlines. Please send us a DM with a good email and phone numb..	0.350
&lt;b>Cruise&lt;b> Deal: Free Open Bar and More With American Airlines and Norwegian &lt;b>Cruises&lt;... <a href="https://t.co/4sE3aPuDLz">https://t.co/4sE3aPuDLz</a>	0.180
American Airlines AA2281 5 hour delay and counting, no news, nothing.....	0.000
American Airlines flight 6130 black box just fell on my dick	-0.083
American Airlines flight #AAL27 spotted at 250 feet! <a href="https://t.co/72kBbSrEsL">https://t.co/72kBbSrEsL</a>	0.000
American Airlines flight #AAL331 spotted at 7,875 feet! <a href="https://t.co/XOa8h6E7nq">https://t.co/XOa8h6E7nq</a>	0.000
American Airlines flight #AAL1599 spotted at 10,025 feet! <a href="https://t.co/xUFrXTLpR9">https://t.co/xUFrXTLpR9</a>	0.000
American Airlines flight #AAL2237 spotted at 20,125 feet! <a href="https://t.co/4sE3aPuDLz">https://t.co/4sE3aPuDLz</a>	0.000
American Airlines flight #AAL2460 spotted at 1,000 feet! <a href="https://t.co/BmBQdfpxpc">https://t.co/BmBQdfpxpc</a>	0.000
American Airlines flight #AAL2802 spotted at 23,900 feet! <a href="https://t.co/kmDkRX2e6F">https://t.co/kmDkRX2e6F</a>	0.000
American Airlines flight #AAL2870 spotted at 23,900 feet! <a href="https://t.co/kmDkRX2e6F">https://t.co/kmDkRX2e6F</a>	0.000

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Thank You