

# EXPLORING FLIGHT PRICES ON TRIPADVISOR

Hans Lau

# WEB SCRAPE

The screenshot displays the TripAdvisor website's flight search results for the route "New York City to Honolulu". The page is filtered for "Best prices for: Dec 20" and "1 traveler, Economy". The results are sorted by "Price".

**Left Sidebar Filters:**

- Stops:** Nonstop (\$849), 1 Stop (\$712), 2+ Stops (\$698).
- Flight Times:** Outbound (NYC to HNL) Departure: Wed 5:00 AM-9:30 PM, Arrival: Wed 2:25 PM-Thu 4:30 PM.
- Airlines (7):** Alaska (\$898), American (\$829), Hawaiian (\$849), JetBlue (\$1,078), United (\$802), Virgin America (\$698), Multiple Airlines (\$718).
- Alliance:** Star Alliance, oneworld.
- Amenities (3):** WiFi, Power available, Television.

**Main Results Table:**

Airline	Flight	Duration	Stops	Price	View Deal
Alaska	JFK 7:50 AM - HNL 9:26 PM	18h 36m	2 stops	\$698	View Deal
Virgin America	JFK 7:50 AM - HNL 9:26 PM	18h 36m	2 stops	\$698	View Deal
Virgin America	EWJ 11:00 AM - HNL 9:26 PM	15h 26m	1 stop	\$712	View Deal
JetBlue	JFK 8:49 AM - HNL 9:50 PM	18h 1m	1 stop	\$718	View Deal
Hawaiian	JFK 8:49 AM - HNL 9:50 PM	18h 1m	1 stop	\$718	View Deal

**Right Sidebar:**

- New York City to Honolulu:** Authentic Hawaiian Hospitality. Book Now.
- Your recent searches:** New York City to Honolulu (Nov 7 - Nov 14, Searched: Today), New York City to Honolulu (\$377, Nov 3, Searched: 10/20/2017), New York City to Honolulu (\$767, Jan 13 - Jan 13, Searched: 10/20/2017).


- 5 Destinations ( LA, Honolulu, SF, Miami, Las Vegas)
- Dec 20, 2017- Jan 20, 2018
- Not all entries contain flight price or flyscore

# DATA

- 57,900 observations, 10 features

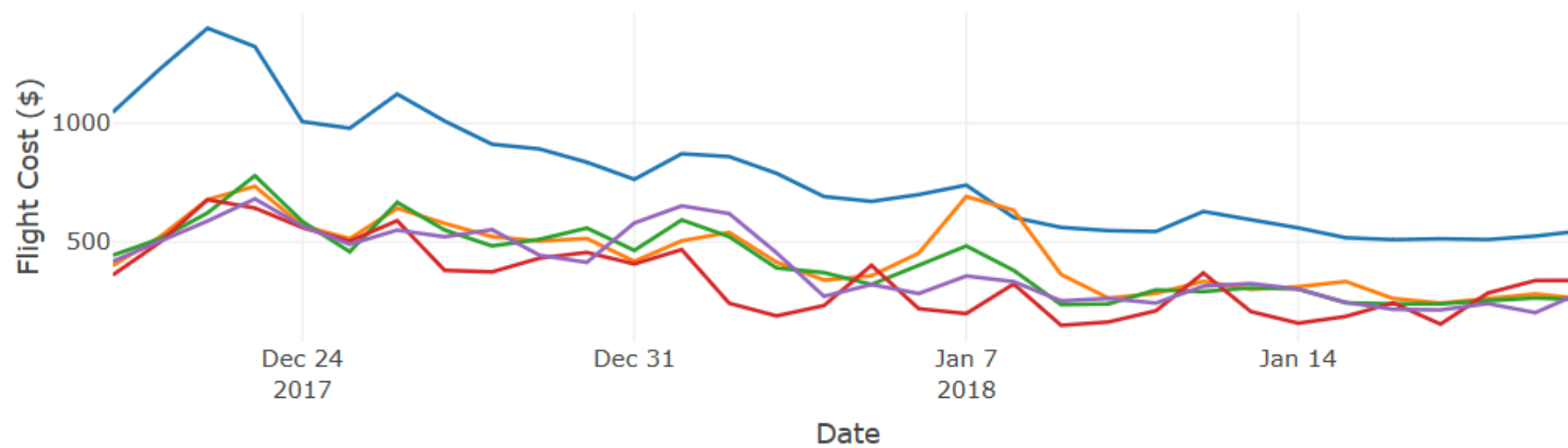
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1		airline_name	flight_cost	depart_time	arrive_time	flight_duration	flight_flyscore	airline_rating	date	departure	arrival_airport				
2	0	United	199	6:00AM	3:28PM	748	6.5	3	12/20/2017	LGA	LAX				
3	1	Frontier	259	9:20AM	6:14PM	714	4.8	2.5	12/20/2017	LGA	LAX				
4	2	Spirit	260	9:59PM	8:26AM	807	4.8	2.5	12/20/2017	LGA	LAX				
5	3	United	262	8:03PM	1:37AM	514	7.2	3	12/20/2017	LGA	LAX				
6	4	United	262	7:03PM	1:37AM	574	6.9	3	12/20/2017	LGA	LAX				
7	5	Frontier	265	9:20AM	8:39AM	1579	3.7	2.5	12/20/2017	LGA	LAX				
8	6	Alaska	266	6:30AM	2:00PM	630	6.8	4	12/20/2017	LGA	LAX				
9	7	United	266	6:00AM	1:32PM	632	6.5	3	12/20/2017	LGA	LAX				
10	8	United	266	6:00AM	2:50PM	710	6.5	3	12/20/2017	LGA	LAX				
11	9	Virgin America	268	7:50AM	7:00PM	850	7.4	4	12/20/2017	JFK	LAX				
12	10	United	269	5:55AM	9:18AM	383	8.6	3	12/20/2017	EWR	LAX				
13	11	United	269	7:10AM	10:33AM	383	8.6	3	12/20/2017	EWR	LAX				
14	12	Virgin America	270	7:50AM	4:17PM	687	7.6	4	12/20/2017	JFK	LAX				
15	13	Sun Country	279	7:00AM	12:05PM	485	6.9	4	12/20/2017	JFK	LAX				
16	14	Sun Country	279	11:35AM	5:20PM	525	6.9	4	12/20/2017	JFK	LAX				
17	15	Virgin America	283	8:00AM	11:28AM	388	8.6	4	12/20/2017	EWR	LAX				
18	16	Alaska	283	8:00AM	11:28AM	388	8.6	4	12/20/2017	EWR	LAX				
19	17	Sun Country	285	7:00AM	5:20PM	800	6.5	4	12/20/2017	JFK	LAX				
20	18	Sun Country	285	11:35AM	10:55PM	860	6.4	4	12/20/2017	JFK	LAX				
21	19	Alaska	287	7:50AM	4:17PM	687	7.6	4	12/20/2017	JFK	LAX				
22	20	United	288	6:00AM	11:13AM	493	7.7	3	12/20/2017	LGA	LAX				
23	21	United	288	1:00PM	6:31PM	511	0	3	12/20/2017	LGA	LAX				
24	22	United	288	11:35AM	5:10PM	515	7.3	3	12/20/2017	LGA	LAX				
25	23	United	288	7:00AM	12:43PM	523	7.2	3	12/20/2017	LGA	LAX				
26	24	United	288	10:30AM	4:13PM	523	6.7	3	12/20/2017	LGA	LAX				
27	25	United	288	2:53PM	8:39PM	526	0	3	12/20/2017	LGA	LAX				
28	26	United	288	6:00PM	11:55PM	535	7.4	3	12/20/2017	LGA	LAX				
29	27	United	288	3:30PM	9:38PM	548	6.9	3	12/20/2017	LGA	LAX				
30	28	United	288	6:15PM	12:30AM	555	6.8	3	12/20/2017	LGA	LAX				

# QUESTIONS

- ▶ How does flight prices change by destinations over a one month period?
  - ▶ What is the trend for flight prices for different airlines?
  - ▶ What are the flight price distributions by airline ? by day?
  - ▶ What is the distribution of flyscores by airline?
- 
- A series of three parallel white diagonal lines extending from the bottom right towards the top right of the slide.

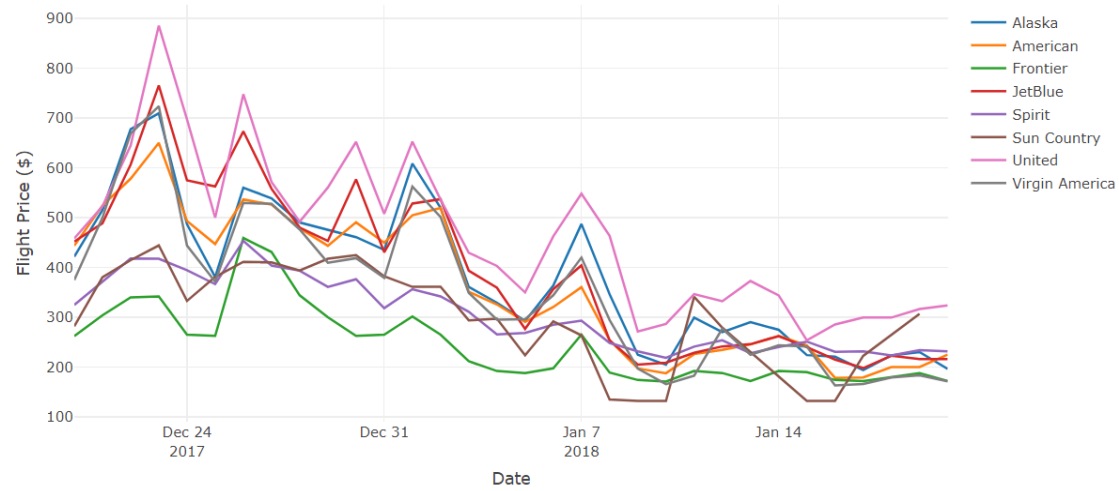


### Average Flight Cost Over Time by Destination

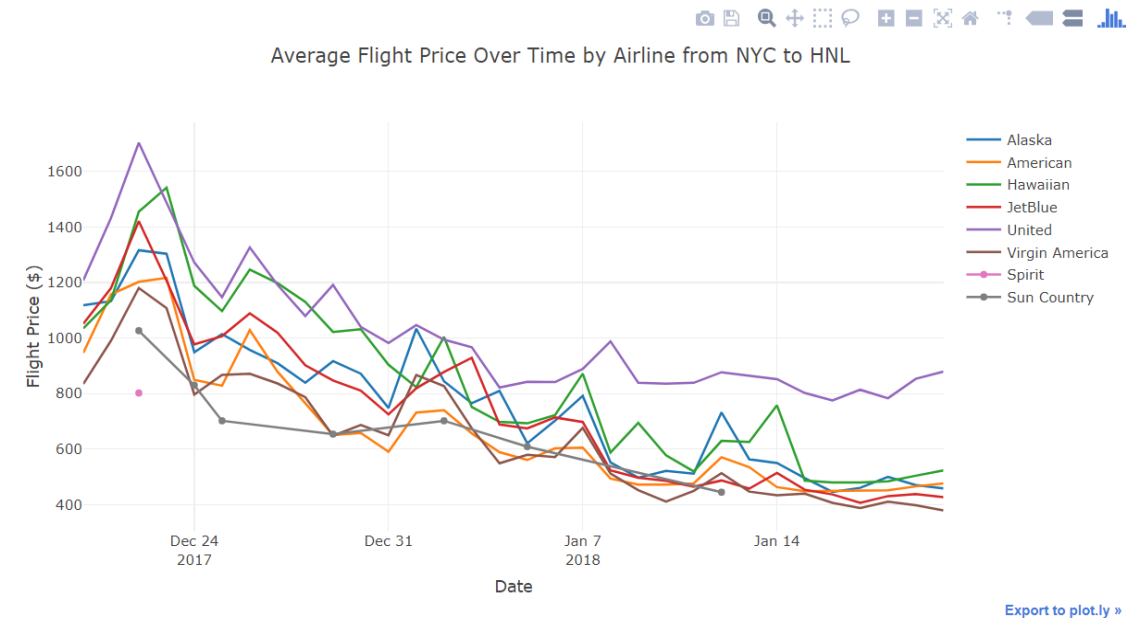


EDIT CHART

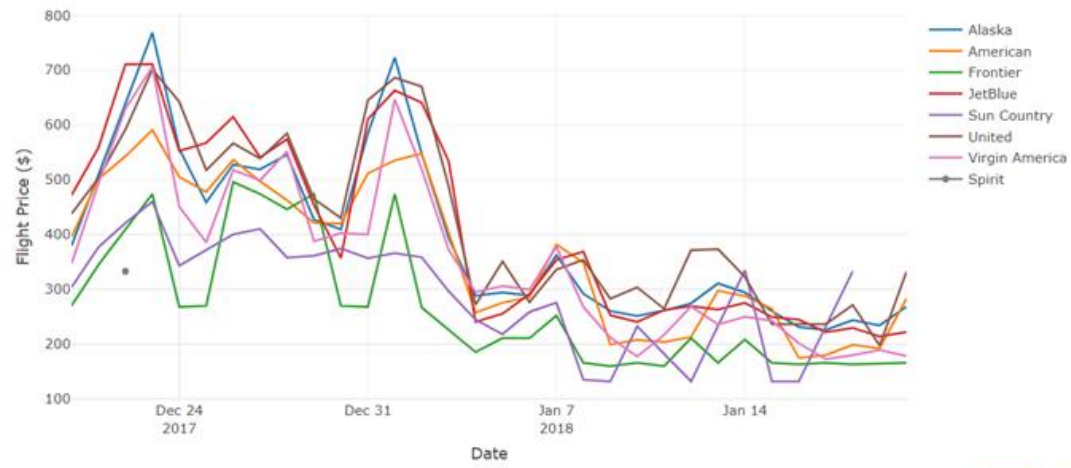
Average Flight Price Over Time by Airline from NYC to LAX



Average Flight Price Over Time by Airline from NYC to HNL

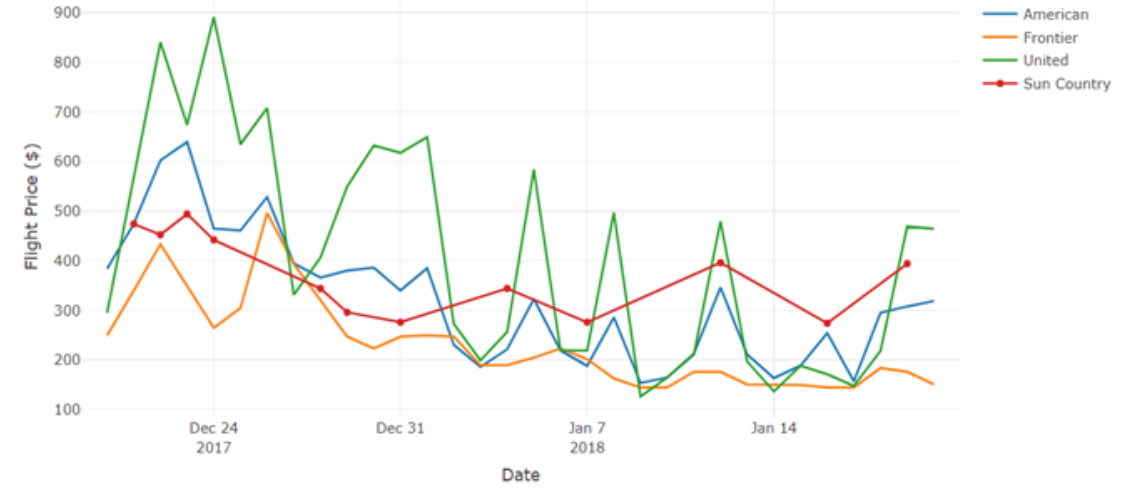


Average Flight Price Over Time by Airline from NYC to SFO



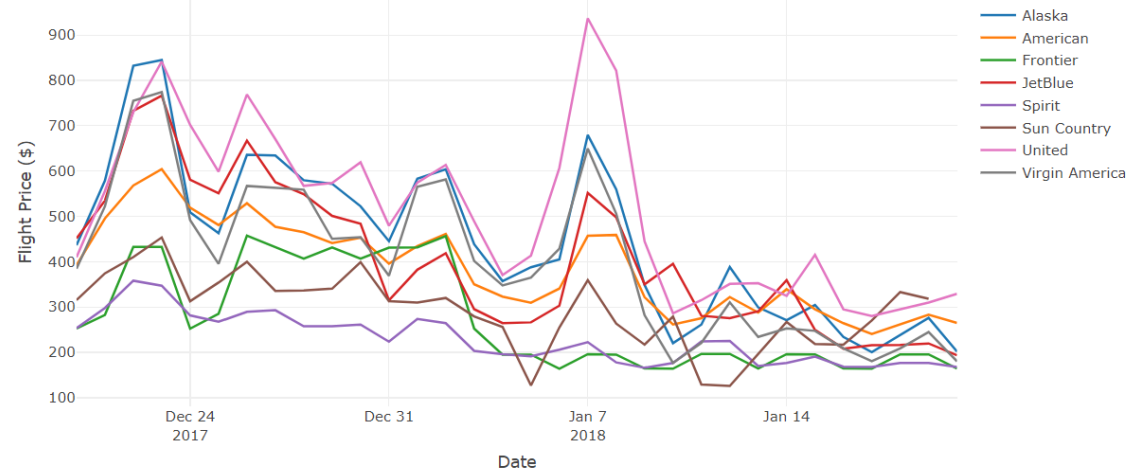
[Export to plot.ly »](#)

Average Flight Price Over Time by Airline from NYC to MIA



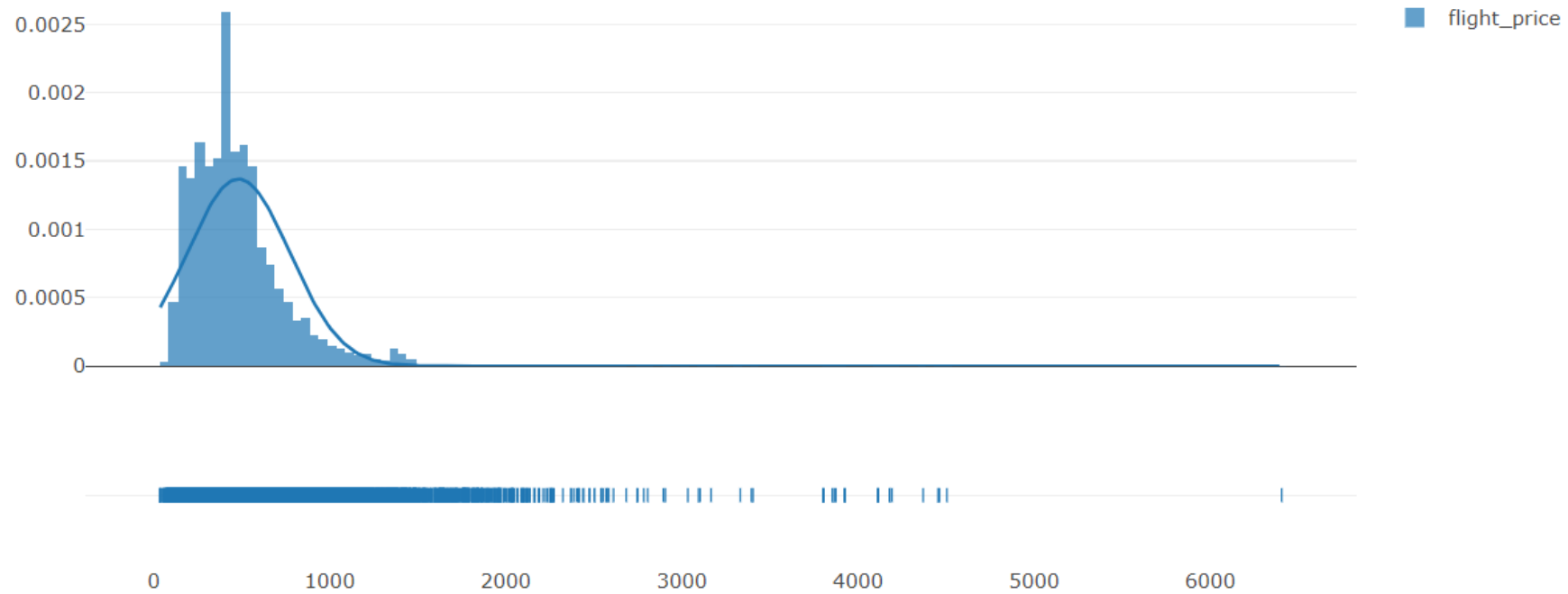
[Export to plot.ly »](#)

Average Flight Price Over Time by Airline from NYC to LAS



[Export to plot.ly »](#)

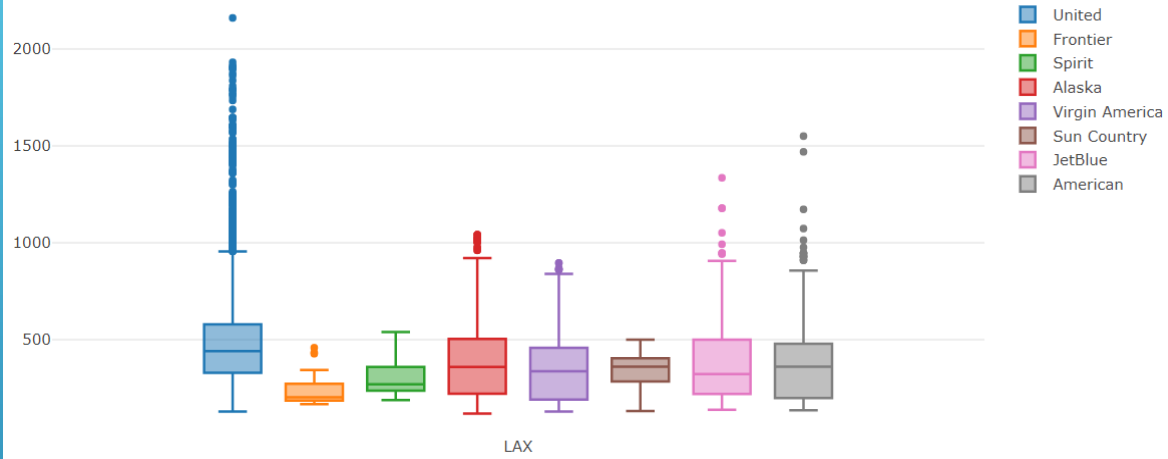
Distribution of Flight Prices From Dec 20 to Jan 20



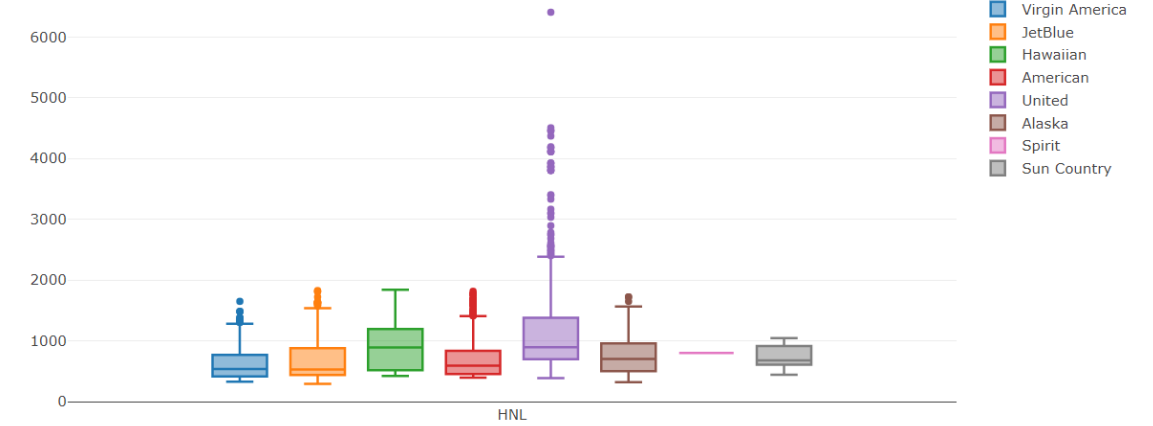
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std 291.786767
min 38.000000
25% 289.000000
50% 431.000000
75% 580.000000
max 6406.000000
```



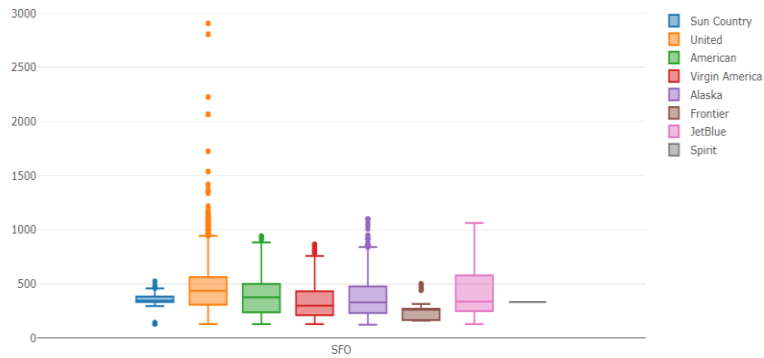
Distribution of Flight Prices by Airline from NYC to LAX



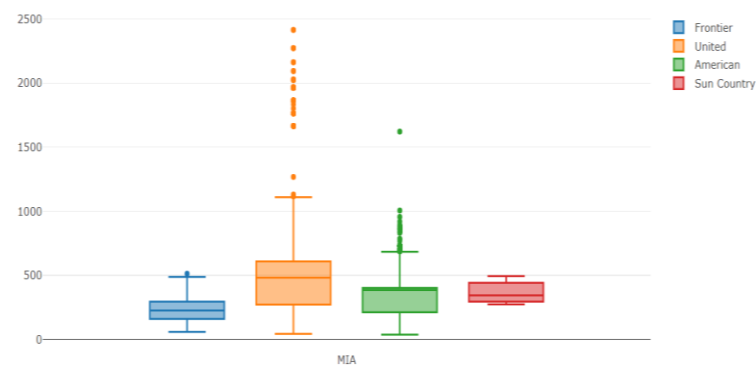
Distribution of Flight Prices by Airline from NYC to HNL



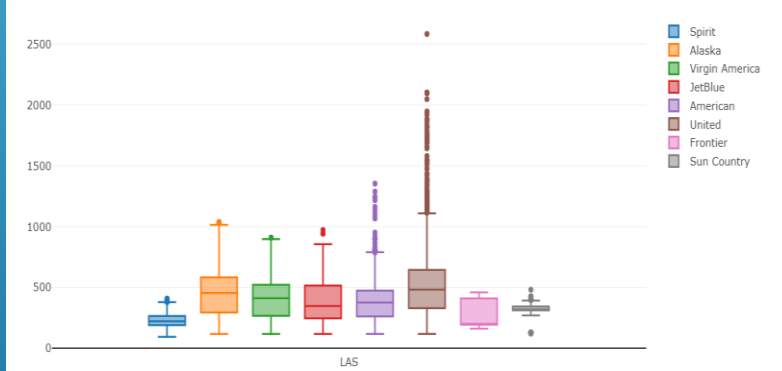
Distribution of Flight Prices by Airline from NYC to SFO



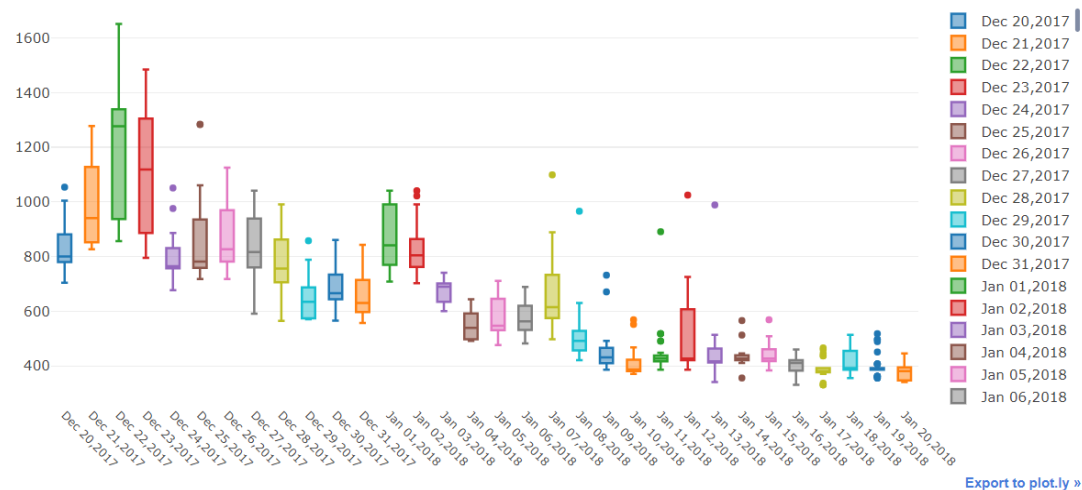
Distribution of Flight Prices by Airline from NYC to MIA



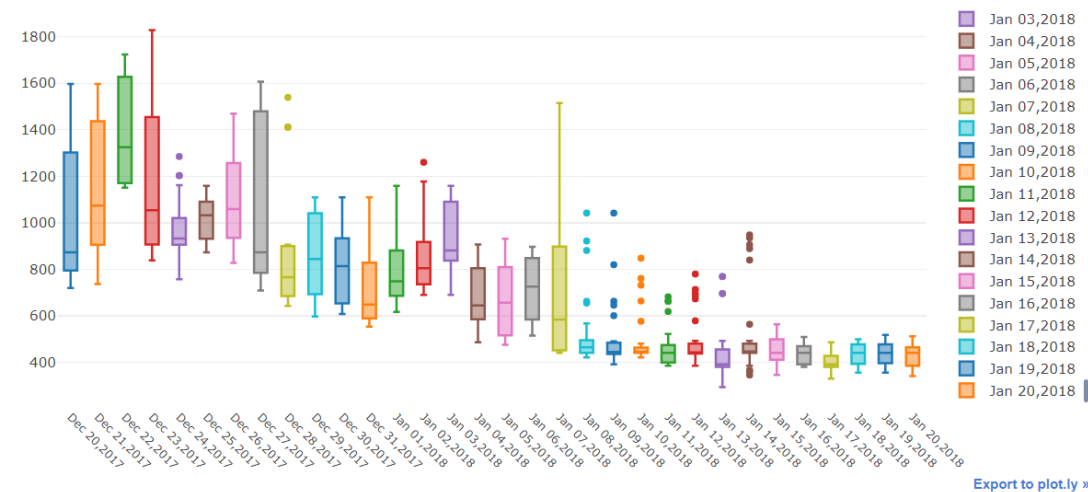
Distribution of Flight Prices by Airline from NYC to LAS



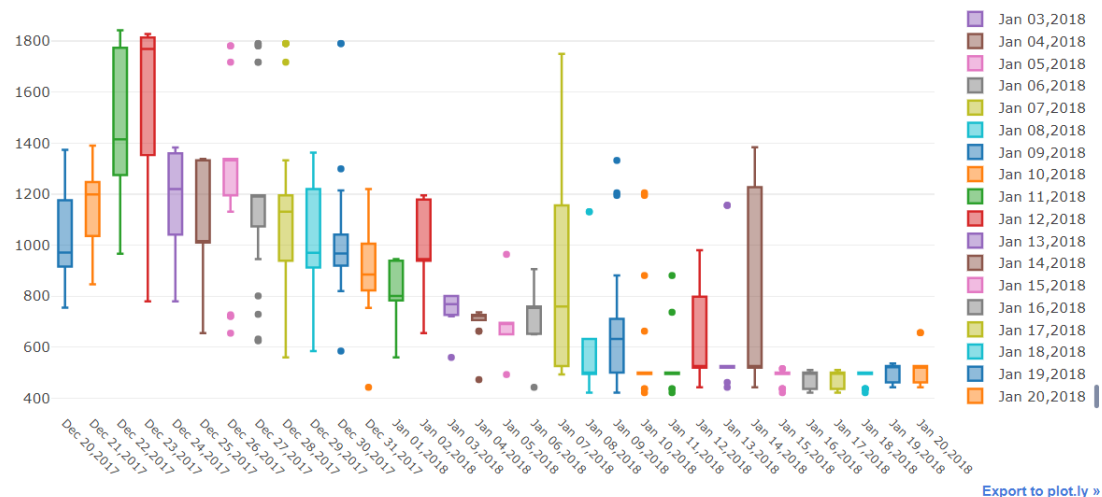
Distribution of Flight Prices by Virgin America from NYC to HNL



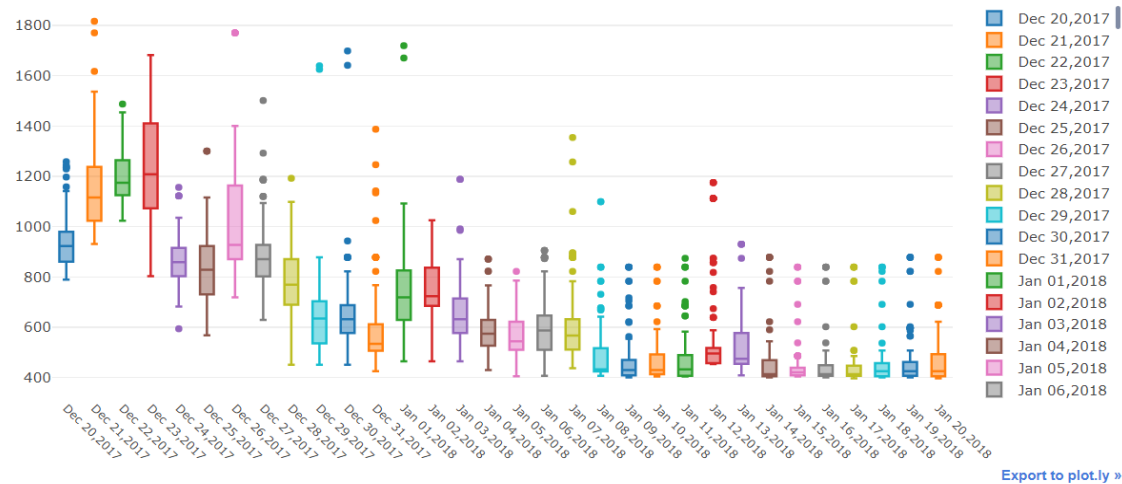
Distribution of Flight Prices by JetBlue from NYC to HNL



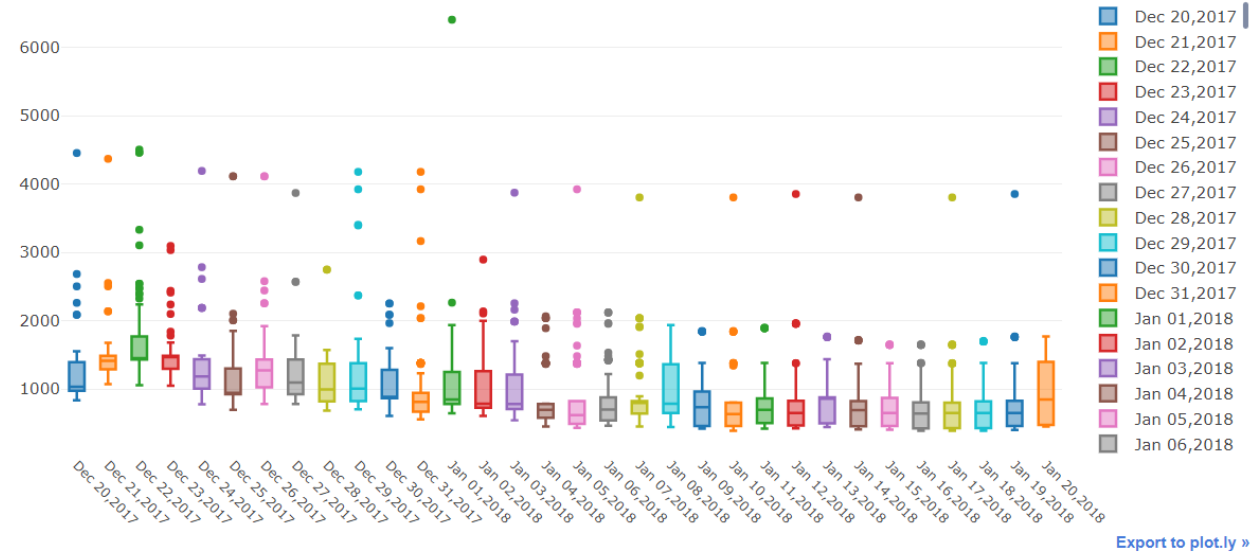
Distribution of Flight Prices by Hawaiian from NYC to HNL



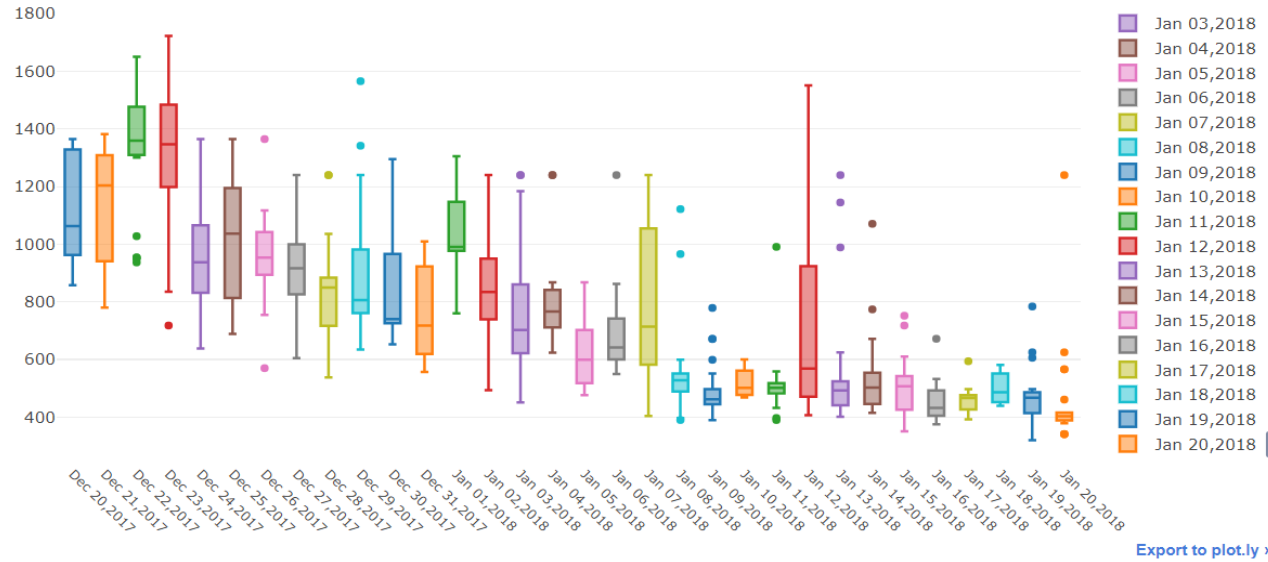
Distribution of Flight Prices by American from NYC to HNL



Distribution of Flight Prices by United from NYC to HNL



Distribution of Flight Prices by Alaska from NYC to HNL



Distribution of Flight Flyscore by Airline

