Flight Operations Overview – Key Performance Metrics

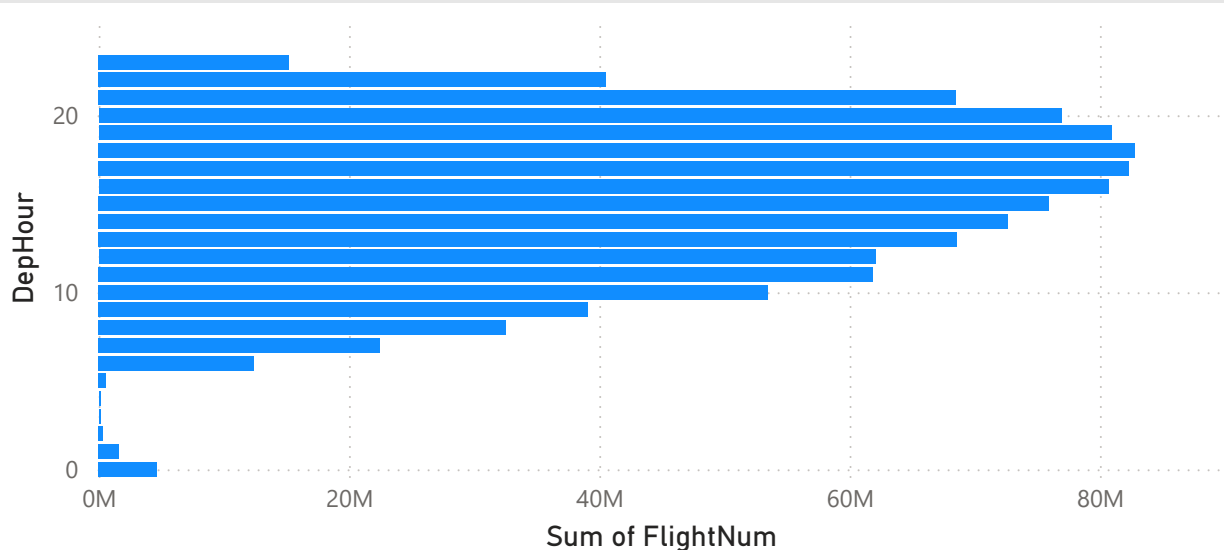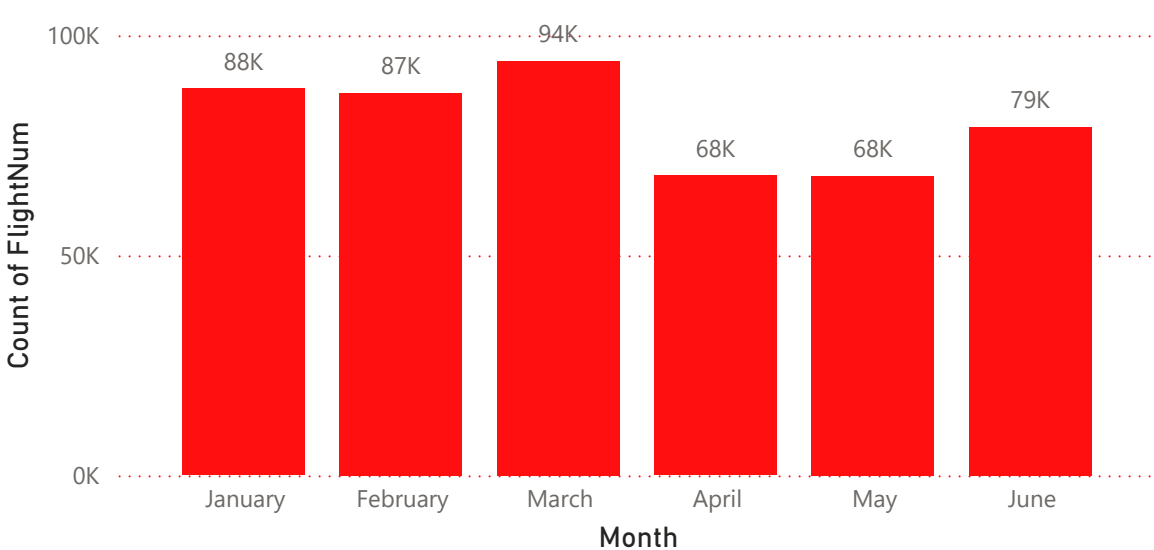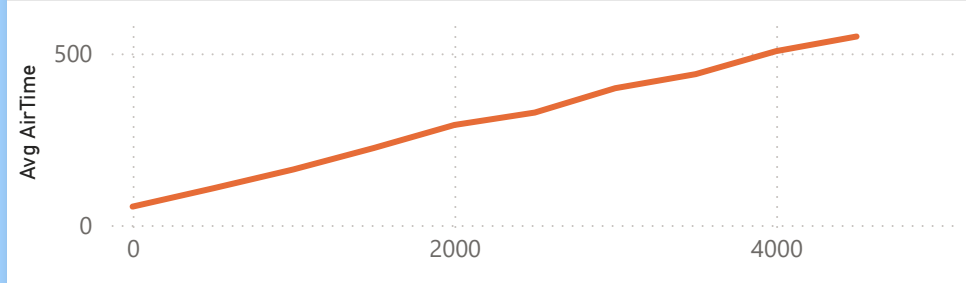| Total Flights	Total Airlines	Average Departure Delay	Average Arrival Delay	Average AirTime
485K	12	57.50	60.91	108.88

Flight Distribution by Hour of Day

DepHour vs Sum of FlightNum

Total Flights Trend by Month

Month	Count of FlightNum
January	88K
February	87K
March	94K
April	68K
May	68K
June	79K

Average AirTime by Distance

Avg AirTime vs Distance

Airline

Airline
- [ ] Alaska Airlines Inc.
- [ ] American Airlines Inc.
- [ ] American Eagle Airlines Inc.
- [ ] Atlantic Southeast Airlines

Origin

Origin
- [ ] ABE
- [ ] ABI
- [ ] ABQ
- [ ] ABY

Month

- [ ] January
- [ ] February
- [ ] March
- [ ] April
- [ ] May

Flight Delay Analysis — Causes, Trends & Airline Performance
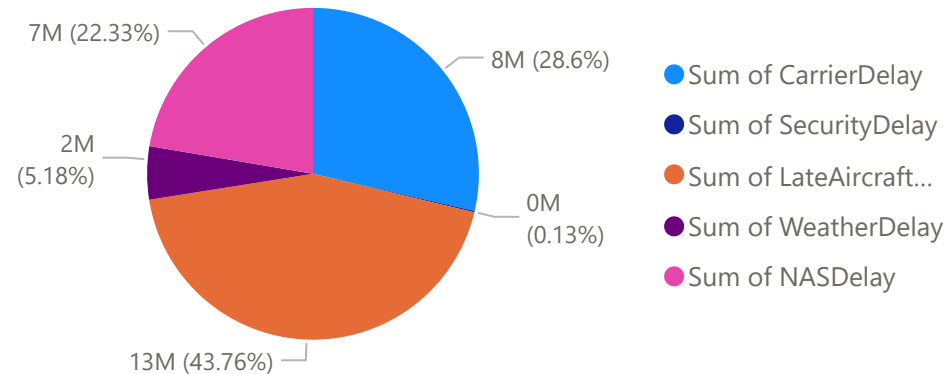
Average Arrival Delay
60.91

Average Carrier Delay
17.42

Average Weather Delay
3.15

Proportion of Delay Causes

- 7M (22.33%)
- 8M (28.6%)
- 2M (5.18%)
- 0M (0.13%)
- 13M (43.76%)

- ● Sum of CarrierDelay
- ● Sum of SecurityDelay
- ● Sum of LateAircraft...
- ● Sum of WeatherDelay
- ● Sum of NASDelay

✈ Select Airline
Airline ⌄
All ⌄

📅 Select Month
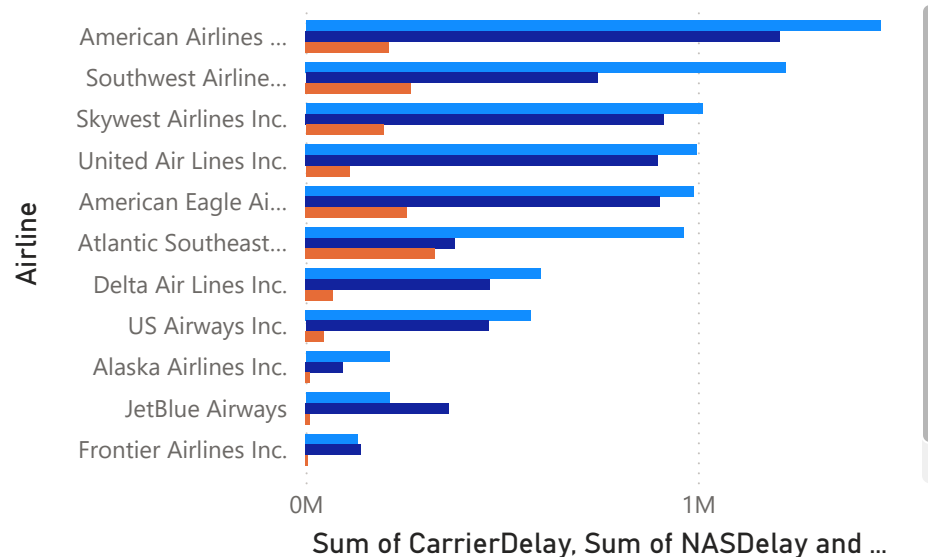Month ⌄
All ⌄

🌎 Select Origin Airport
Origin ⌄
All ⌄

Average Delay by Cause and Airline

● Sum of CarrierDelay ● Sum of NASDelay ● Sum of WeatherDelay

Airline (top to bottom):
American Airlines ...
Southwest Airline...
Skywest Airlines Inc.
United Air Lines Inc.
American Eagle Ai...
Atlantic Southeast...
Delta Air Lines Inc.
US Airways Inc.
Alaska Airlines Inc.
JetBlue Airways
Frontier Airlines Inc.

X-axis: 0M, 1M — Sum of CarrierDelay, Sum of NASDelay and ...

Average Departure Delay by Day of Week

Y-axis: Average of DepDelay (0, 20, 40, 60)
X-axis (DayName): Monday, Thursday, Sunday, Friday, Saturday, Tuesday, Wednesday
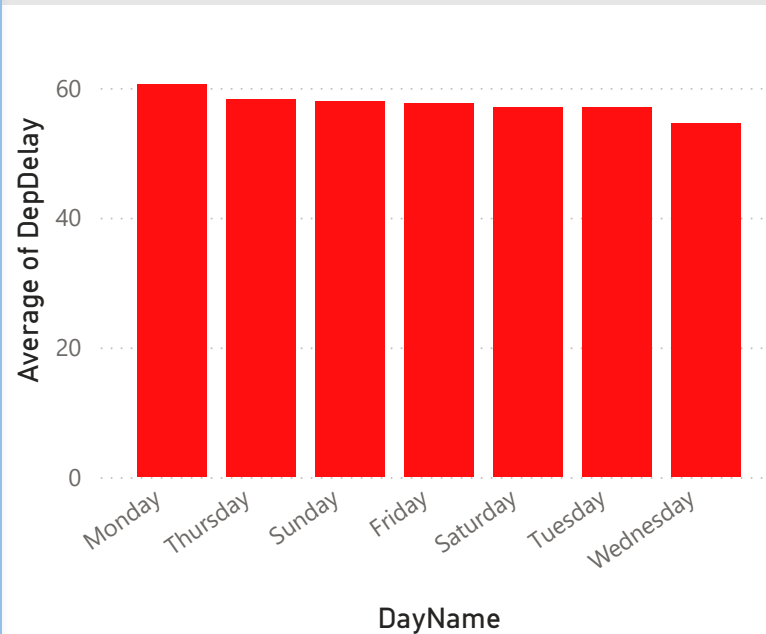
Average Arrival Delay by Hour of Day

Y-axis: Average of ArrDelay (0, 100, 200)
X-axis: DepHour (0, 10, 20)
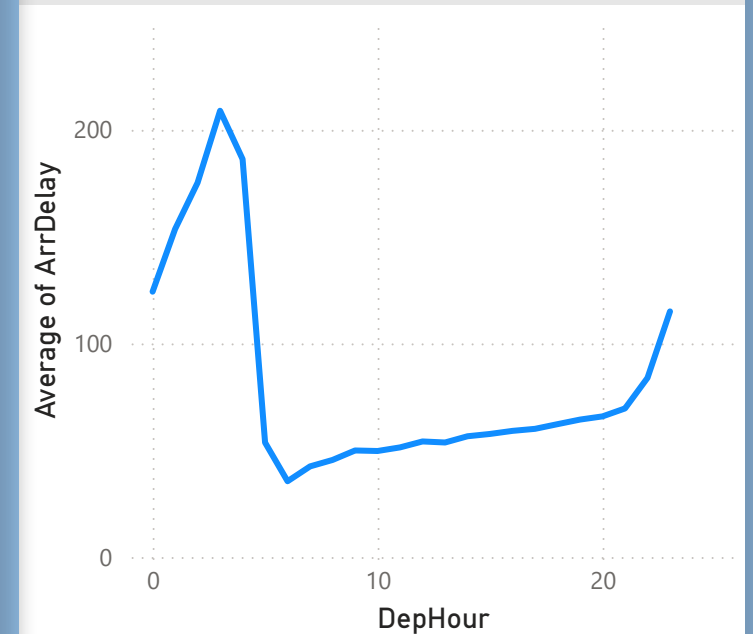
Route & Airport Performance

Flights from Top Origin

47K

Busiest Origin Airport

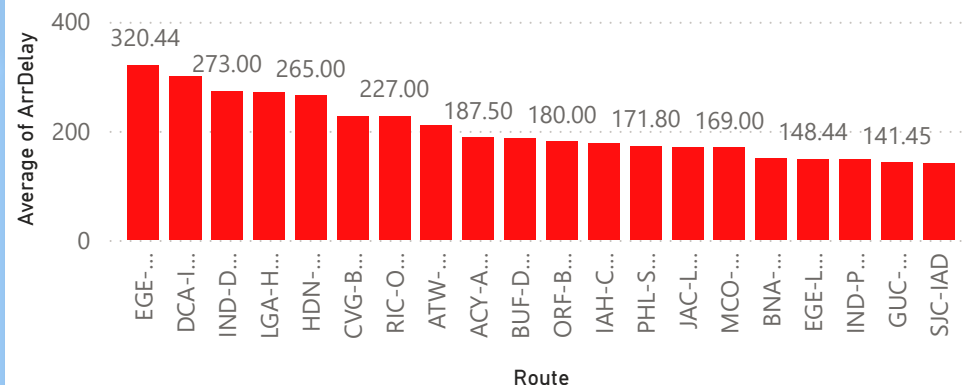**ORD – Chicago O'Hare International Ai...**

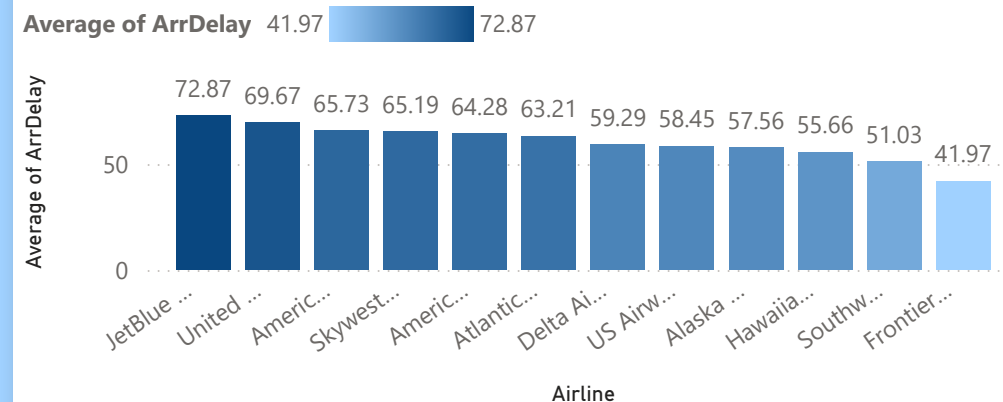## Busiest Destination Airport

ORD – Chicago O'Hare International Ai...
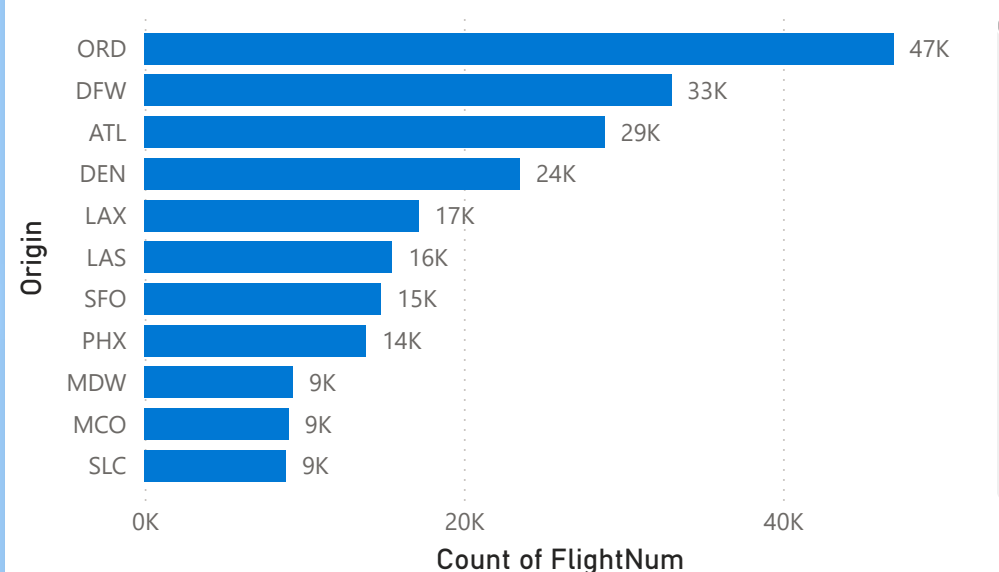
Flights to Top Destination

41K

Top 10 Most Delayed Routes

Average of ArrDelay values: 320.44, 273.00, 265.00, 227.00, 187.50, 180.00, 171.80, 169.00, 148.44, 141.45

Routes: EGE-, DCA-I-, IND-D-, LGA-H-, HDN-, CVG-B-, RIC-O-, ATW-, ACY-A-, BUF-D-, ORF-B-, IAH-C-, PHL-S-, JAC-L-, MCO-, BNA-, EGE-L-, IND-P-, GUC-, SJC-IAD

Average Arrival Delay by Airline

Average of ArrDelay 41.97 ▮▮▮ 72.87

Values: 72.87, 69.67, 65.73, 65.19, 64.28, 63.21, 59.29, 58.45, 57.56, 55.66, 51.03, 41.97

Airlines: JetBlue ..., United ..., Americ..., Skywest..., Americ..., Atlantic..., Delta Ai..., US Airw..., Alaska ..., Hawaiia..., Southw..., Frontier ...

Top 10 Origin Airports by Total Flights

Origin	Count of FlightNum
ORD	47K
DFW	33K
ATL	29K
DEN	24K
LAX	17K
LAS	16K
SFO	15K
PHX	14K
MDW	9K
MCO	9K
SLC	9K

Average Arrival Delay by Origin Airport

⚠ This visual type is being retired soon. Contact your admin to upgrade.

Microsoft Bing

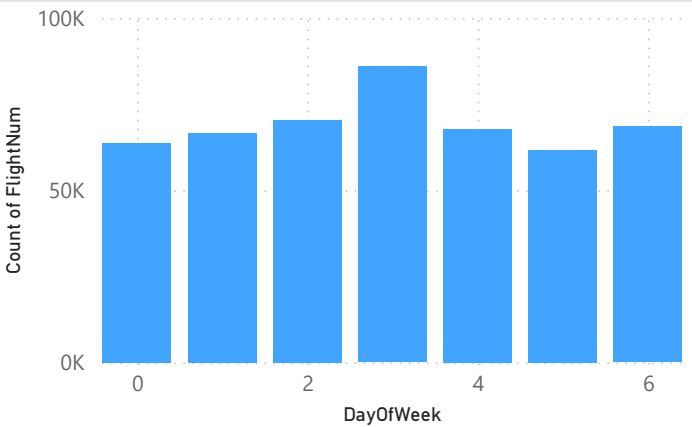© 2025 TomTom, © 2025 Microsoft Corporation, © OpenStreetMap

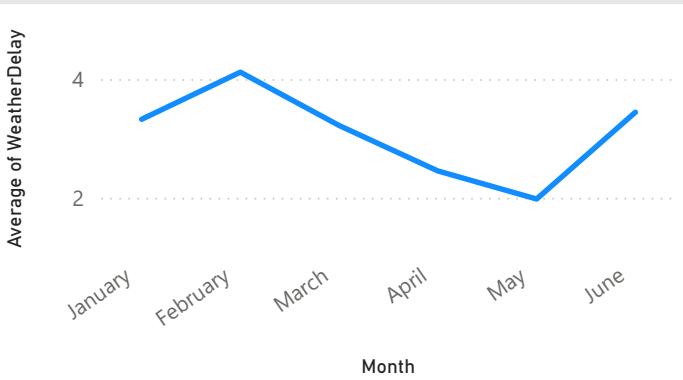# Seasonal & Temporal Trends – Flight Activity and Delay Patterns

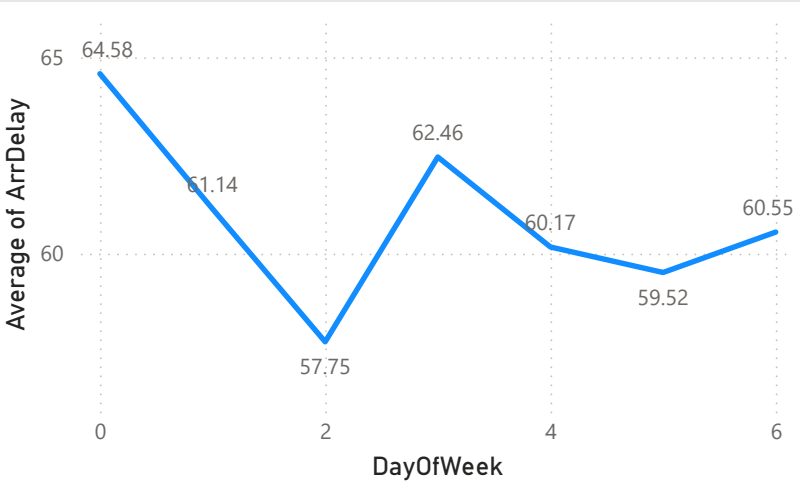## Average Weather Delay by Month
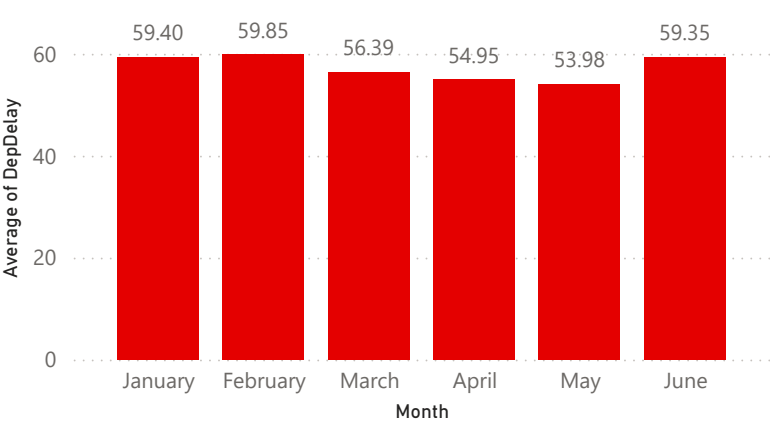
Total Flights by Day of Week

Average of WeatherDelay by Month

Average Arrival Delay by Day of Week

Delay Heat Map – Month vs Hour of Day

Month	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
January	121.24	149.65	144.91	196.76	182.80	56.11	32.13	42.28	45.83	50.51	49.50	54.52	58.43	57.29	60.04
February	133.66	157.29	198.30	227.05	98.25	55.75	37.77	44.62	49.78	53.40	53.23	54.61	57.69	58.13	60.06
March	112.57	136.76	161.46	158.93	173.43	35.34	34.96	43.70	45.26	50.08	50.63	51.08	52.48	52.35	55.14
April	134.46	172.18	181.88	199.05	135.50	95.27	35.72	38.85	43.80	47.46	46.91	47.63	49.96	50.25	52.38
May	111.46	120.17	155.32	136.75	149.27	46.00	34.55	41.74	41.79	48.08	46.22	48.76	51.02	50.66	53.27
June	130.35	173.10	203.11	282.05	482.40	58.71	38.23	41.72	44.59	48.26	49.82	49.52	52.88	51.39	56.63
Total	**124.21**	**153.51**	**175.23**	**208.92**	**186.26**	**53.57**	**35.46**	**42.42**	**45.44**	**49.87**	**49.62**	**51.32**	**54.10**	**53.60**	**56.52**