



AIR LINE DATA VISUALIZATION

TABLEAU
(HIMANSHI KUMARI)



AIR LINE DATA ANALYSIS PROBLEM

- 1) What are the total number of flights in a day?
- 2) Find the busiest day at San Francisco (SFO) Airport?
- 3) What are the total number of flights per day in a month?
- 4) What are the top 10 busiest flight route?
- 5) Which are the top 10 longest route?
- 6) Represent the flights flying outside SFO towards different parts of the world.

Pages

Filters

- Abc Properties Flysf...
- Abc Properties Flysf...
- Abc Properties Flysf...
- Abc Route
- =Abc Route - Split 1
- =Abc Route - Split 2
- Abc *Measure Names*
- =🌐 destination
- =# Distance
- =🌐 flights line
- # Geometry Coord...
- # Geometry Coord...
- # Geometry Coord...
- # Geometry Coord...
- # Geometry Coord...
- =# Number of flights
- =🌐 origin
- # Properties Flysf...
- # Properties Flysf...
- # Properties Flysf...
- # *Air travel data (...)*
- 🌐 *Latitude (gener...*
- 🌐 *Longitude (gen...*
- # *Measure Values*

Marks

Color Size Text

T SUM(Number ..

88,532

Data Analytics

Air travel data (ai...

Search

Tables

- Properties Flysf...
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- Properties Flysf...
- Route
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- Properties Flysf...
- Properties Flysf...
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- Measure Values

Pages

Filters

Marks

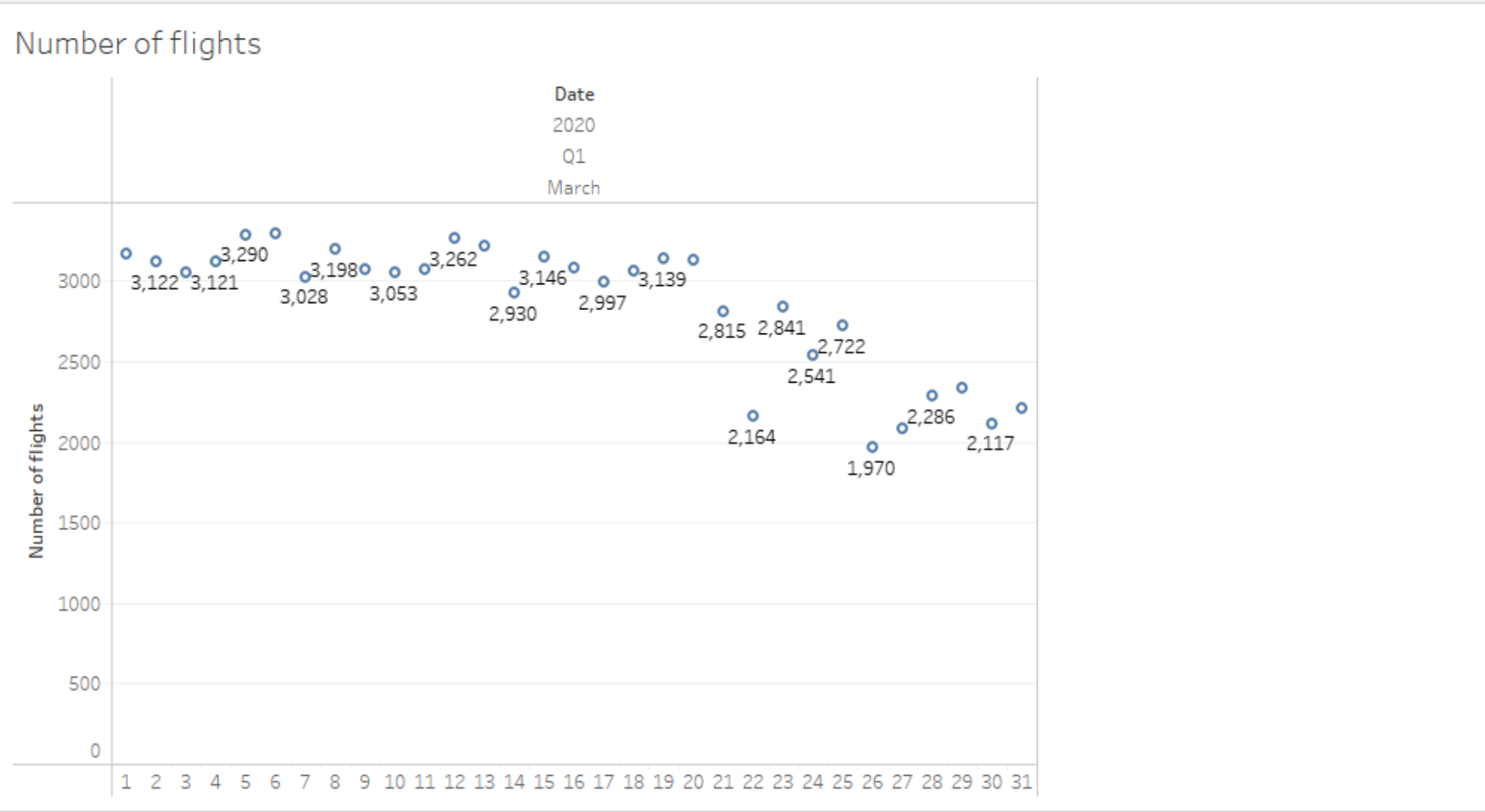
Shape

Color Size Label

Detail Tooltip Shape

Columns: YEAR(Date) QUARTER(Date) MONTH(Date) DAY(Date)

Rows: SUM(Number of fligh..)



Data Analytics

Air travel data (ai...

Search

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Pages

Filters

Date

Marks

Shape

Color Size Label

Detail Tooltip Shape

Columns

YEAR(Date)

QUARTER(Date)

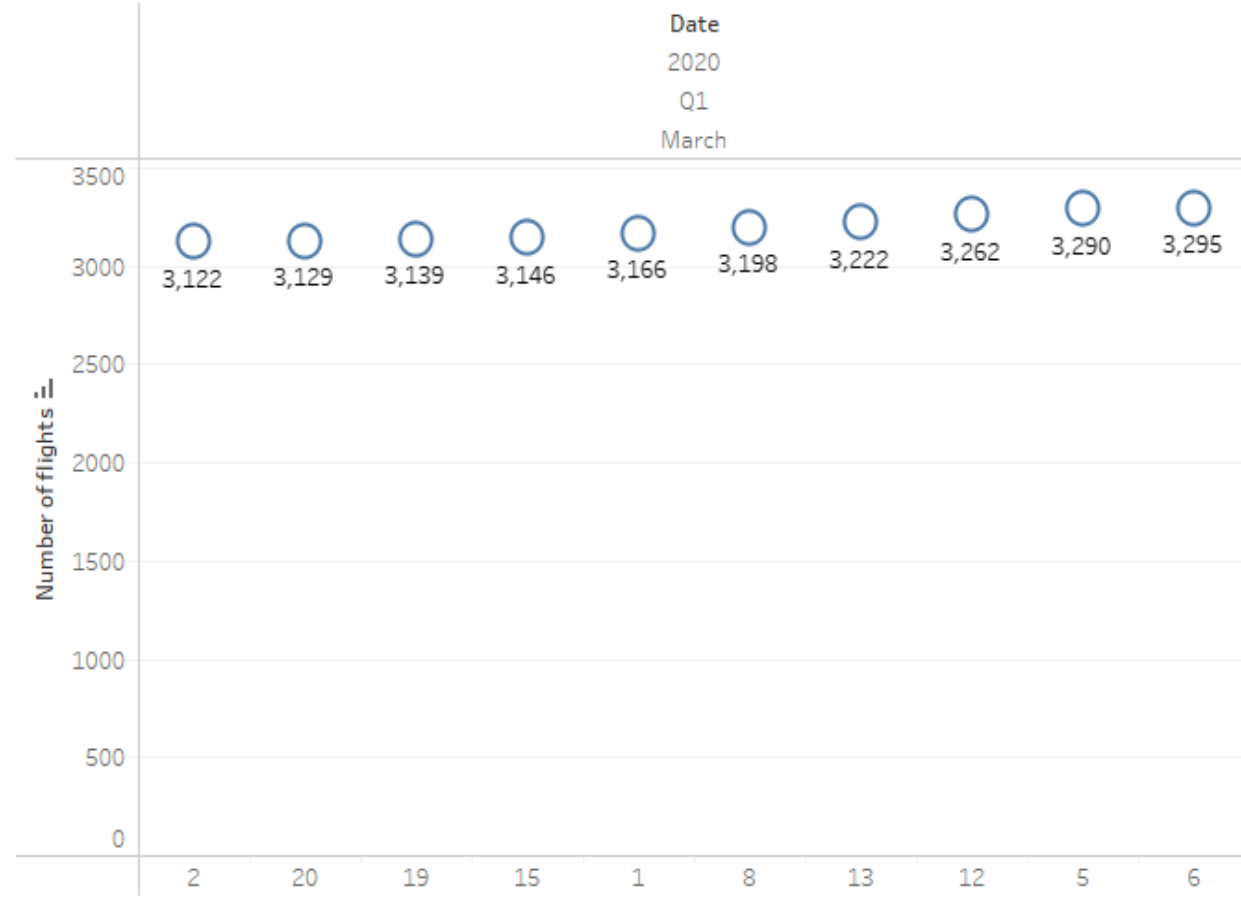
MONTH(Date)

DAY(Date)

Rows

SUM(Number of fligh..

Top 10 number of flights



Pages

Search

Abc	Properties Flysf...
Abc	Properties Flysf...
Abc	Properties Flysf...
Abc	Route
=Abc	Route - Split 1
=Abc	Route - Split 2
Abc	<i>Measure Names</i>
=🌐	destination
=#	Distance
=🌐	flights line
#	Geometry Coord...
#	Geometry Coord...
#	Geometry Coord...
#	Geometry Coord...
=#	Number of flights
=🌐	origin
#	Properties Flysf...
#	Properties Flysf...
#	Properties Flysf...
#	<i>Air travel data (...)</i>
🌐	<i>Latitude (gener...</i>
🌐	<i>Longitude (gen...</i>
#	<i>Measure Values</i>

Filters

Mars

Automatic

Color

Size

T
Label

Detail



Tooltip

 Path

iii Columns

DAY(Date)

Rows

SUM(Number of flight...

The line chart displays the daily number of flights from March 1 to March 31, 2020. The y-axis represents the 'Number of flights' ranging from 0 to 3,500 in increments of 500. The x-axis represents the 'Day of Date [March 2020]' with labels every 5 days. The data points are as follows:

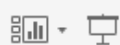
Day of Date [March 2020]	Number of flights
1 Mar	3,166
2 Mar	3,122
3 Mar	3,057
4 Mar	3,121
5 Mar	3,290
6 Mar	3,295
7 Mar	3,028
8 Mar	3,198
9 Mar	3,071
10 Mar	3,053
11 Mar	3,074
12 Mar	3,262
13 Mar	3,222
14 Mar	2,930
15 Mar	3,146
16 Mar	3,079
17 Mar	2,997
18 Mar	3,067
19 Mar	3,139
20 Mar	3,129
21 Mar	2,815
22 Mar	2,164
23 Mar	2,841
24 Mar	2,541
25 Mar	2,722
26 Mar	1,970
27 Mar	2,088
28 Mar	2,286
29 Mar	2,333
30 Mar	2,117
31 Mar	2,209

<input checked="" type="checkbox"/> Data Source	Total number of flights	Number of flights	Top 10 number of flights	Total flights in a month	Busiest routes	longest route	Map flights from sfo	<input checked="" type="checkbox"/> Dashboard 1	<input checked="" type="checkbox"/> Dashboard 2			
---	-------------------------	-------------------	--------------------------	--------------------------	----------------	---------------	----------------------	---	---	---	---	---

31 marks 1 row by 1 column SUM(Number of flights): 88,532



Standard



Show Me

Data Analytics

Air travel data (ai...

Search

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- Geometry Coord...
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- Longitude (gen...
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Pages

Filters

Busy

Marks

Automatic

Color

Size

Label

Detail

Tooltip

Columns

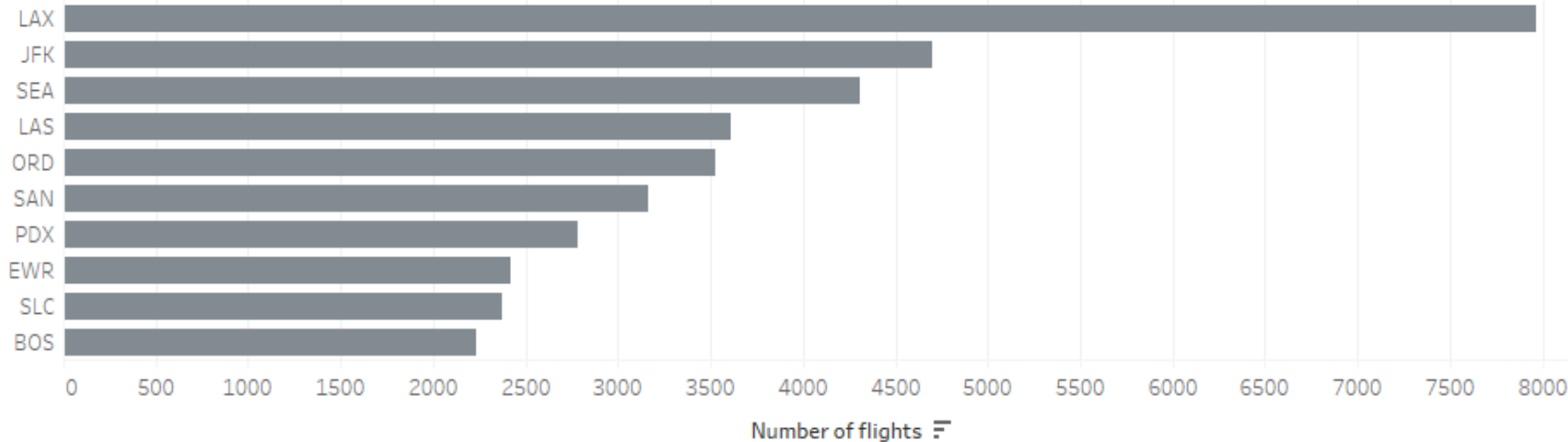
SUM(Number of fligh..

Rows

Busy

Busiest routes

Busy



Data Analytics

Pages

Columns AVG(Distance)

Rows Busy

Search

Filters

Busy

Marks

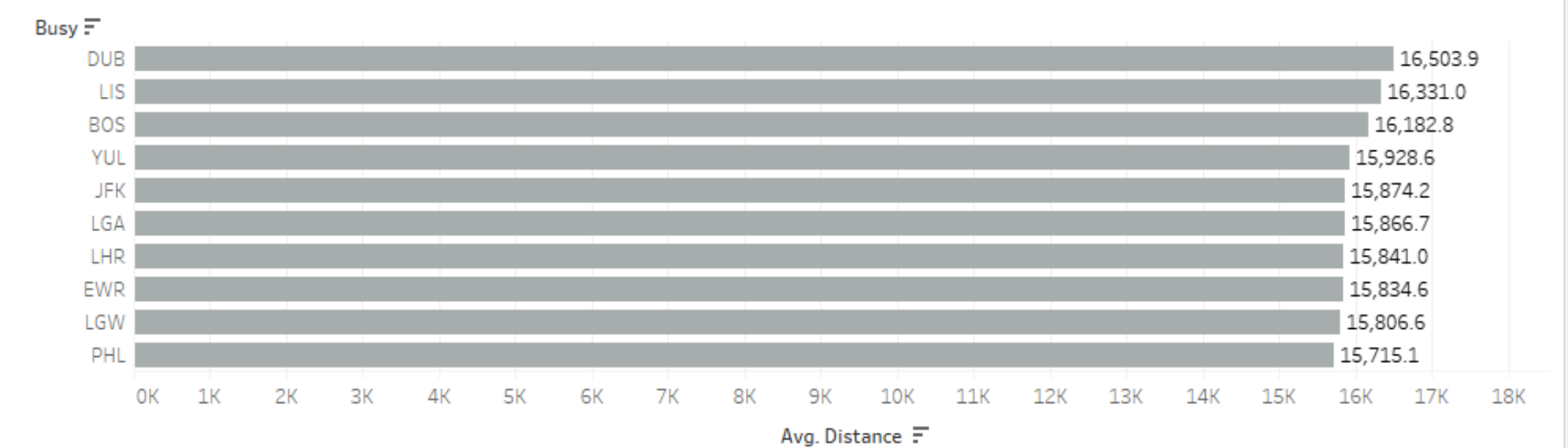
Automatic

Color Size Label

Detail Tooltip

- Tables
- Properties Flysf...
 - Properties Flysf...
 - Properties Flysf...
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longest route



Data Analytics

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Pages

Filters

Marks

Automatic

Color Size Label

Detail Tooltip

COLLECT(fligh...

Route

SUM(Distance)

Columns

Longitude (generated)

Rows

Latitude (generated)

Map flights from sfo



© 2022 Mapbox © OpenStreetMap

223 nulls



Fit Width

Show Me

Dashboard Layout

Default
Pho...
Device Pre...

Size

Fit to height: widt...

Sheets

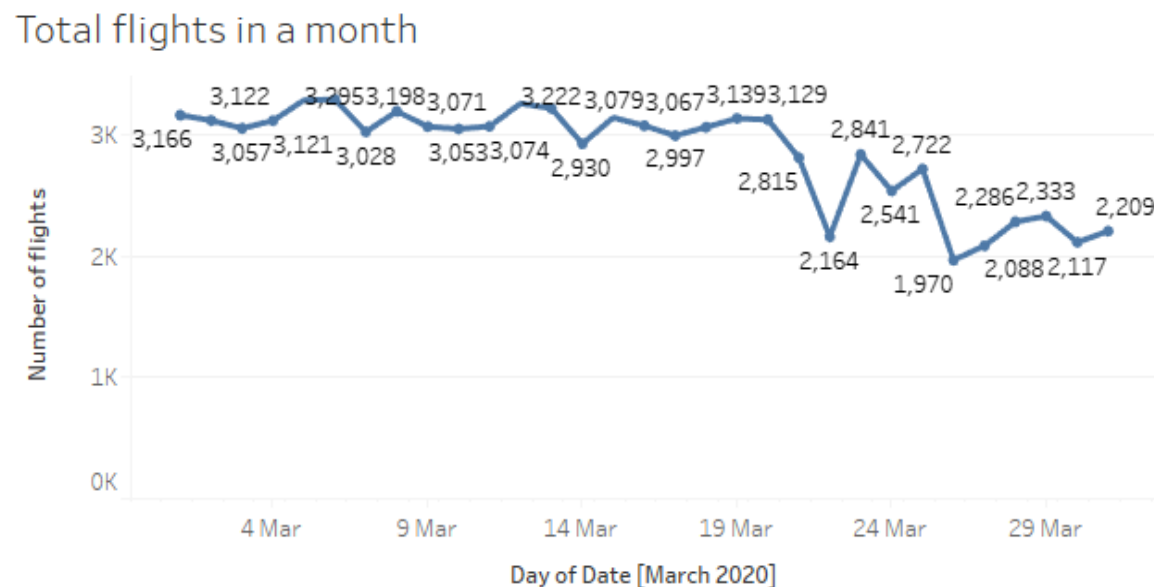
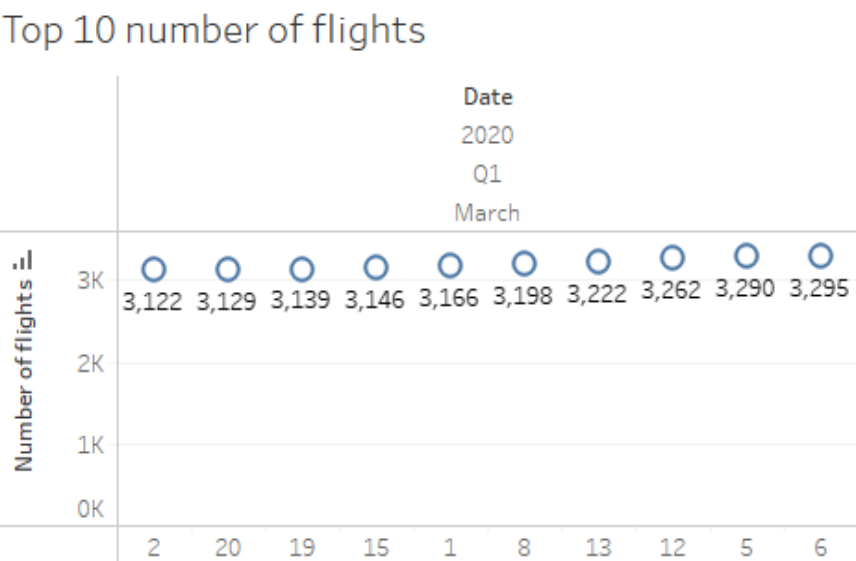
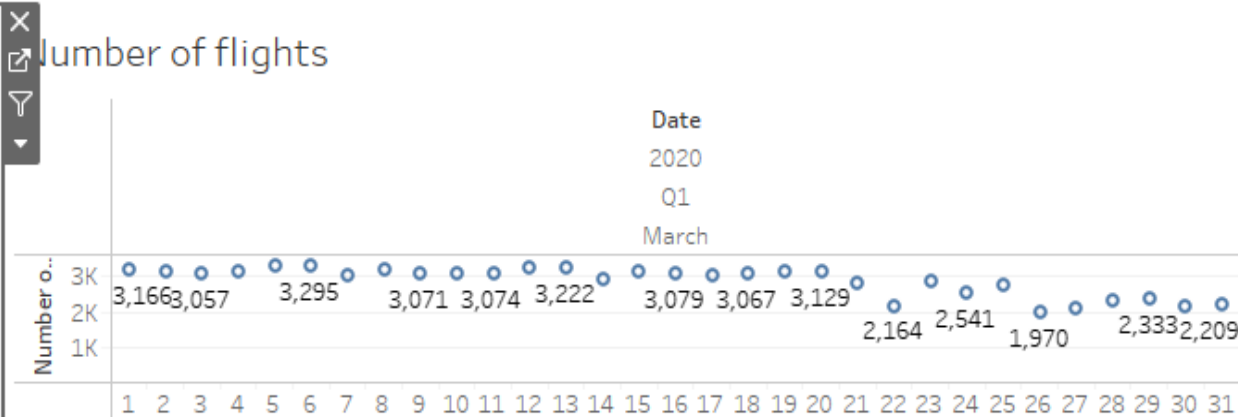
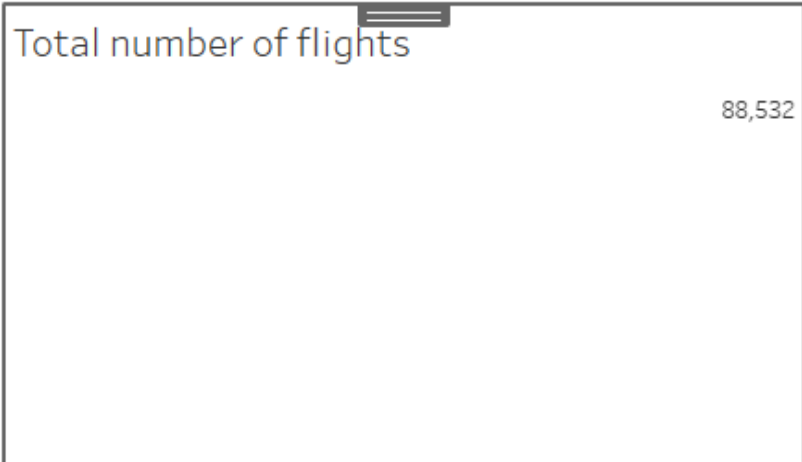
- Top ...
- Tota...
- Busi...
- long...
- Map ...

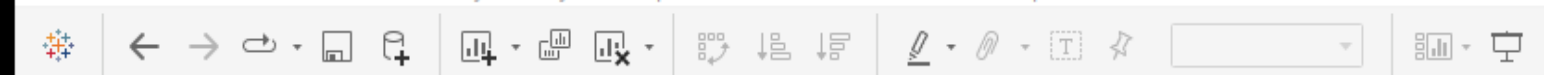
Objects

- Horiz...
- Blank
- Verti...
- Navi...
- Text
- Dow...
- Image
- Exte...
- Web ...
- Ask ...
- Data ...

Tiled Floa...

Show dashbo...





Dashboard Layout <

Default
Pho...

Device Pre...

Size

Fit to height: widt...

Sheets

- Top ...
- Tota...
- Busi...
- long...
- Map ...

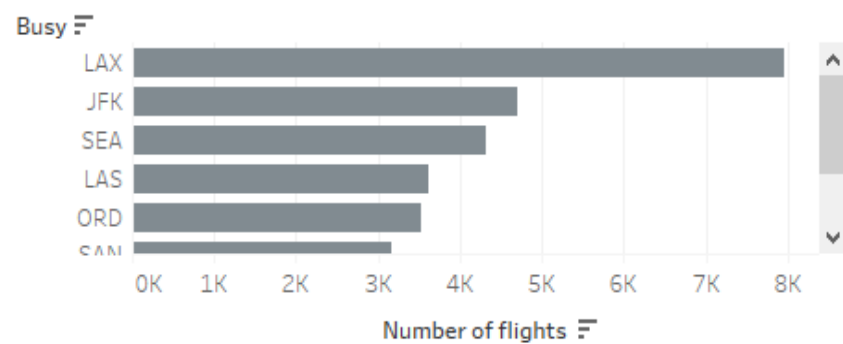
Objects

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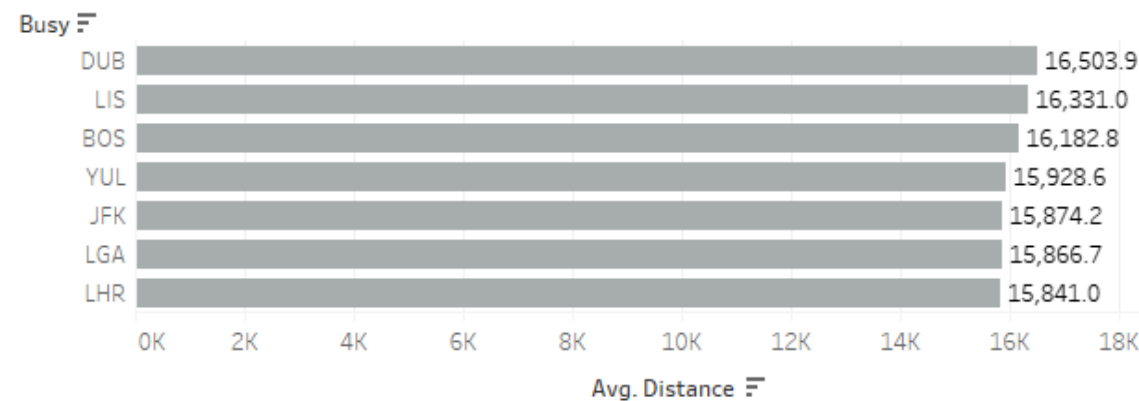
Tiled Floa...

Show dashbo...

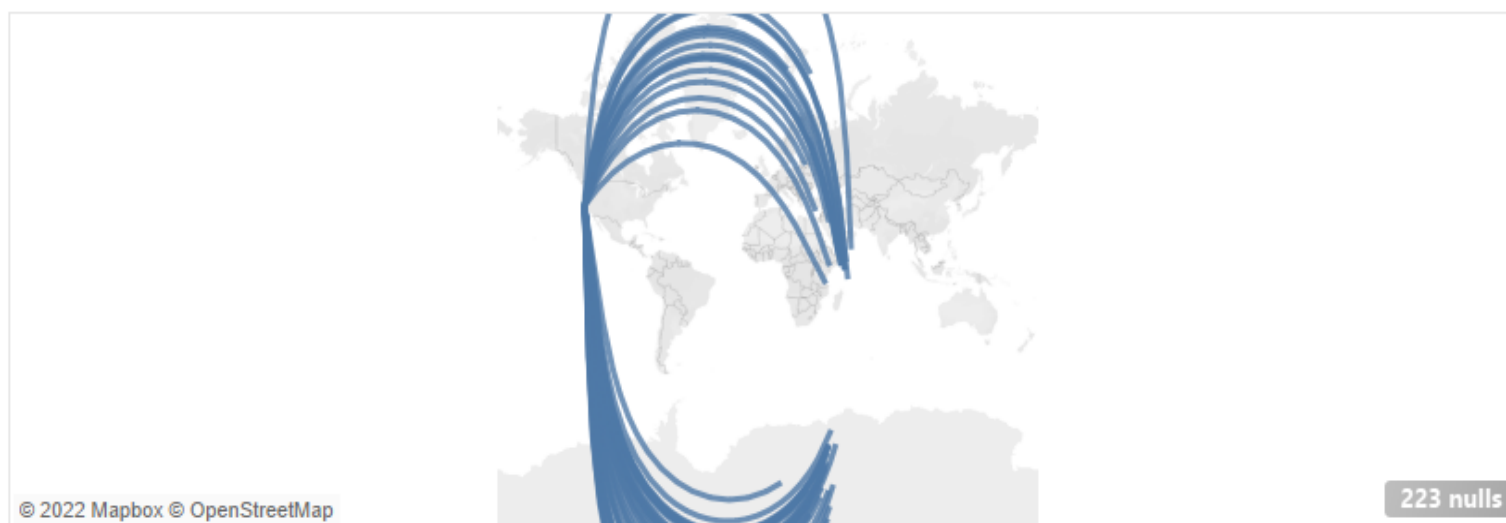
Busiest routes



longest route



Map flights from sfo





THANK YOU