

# Airline Data Analysis

Total Number of Passengers  
97.74k

Number of Passengers effected by Canceled flights  
32.66k

Number of Passengers effected by Delayed flights  
32.52k

Gender	Q
Female	
Male	

Number of flights on time  
32.56k

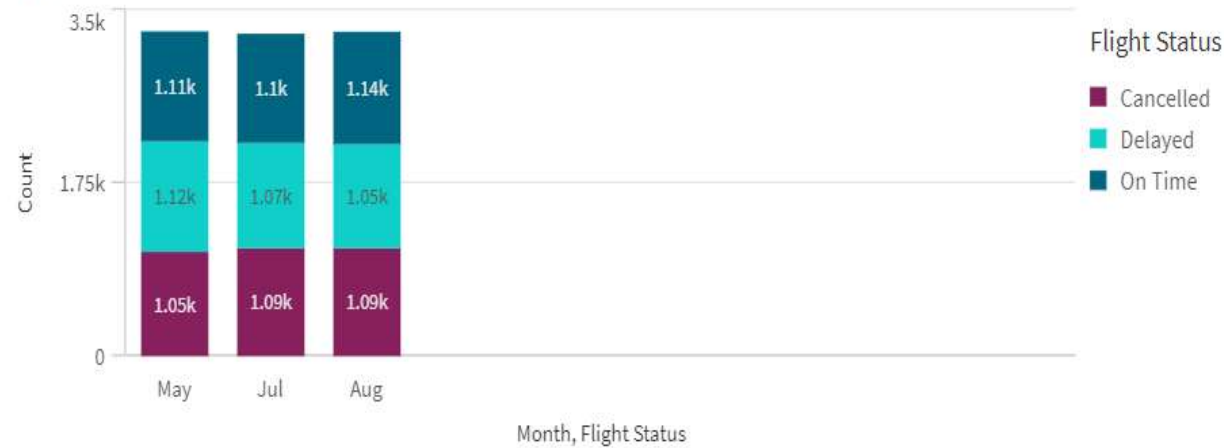
Number of female passengers  
0

Number of Male passengers  
0

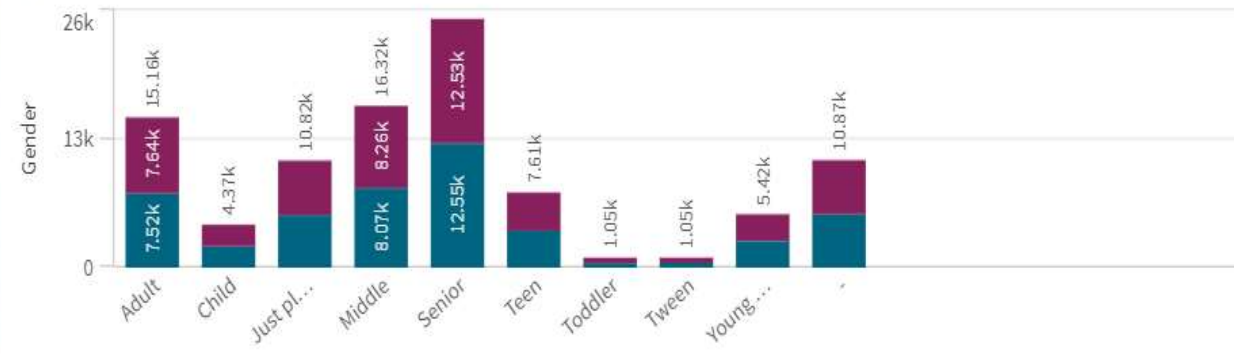
Top 5 - Number of Passengers travelled month wise



Top 3 Months - Flight Status wise



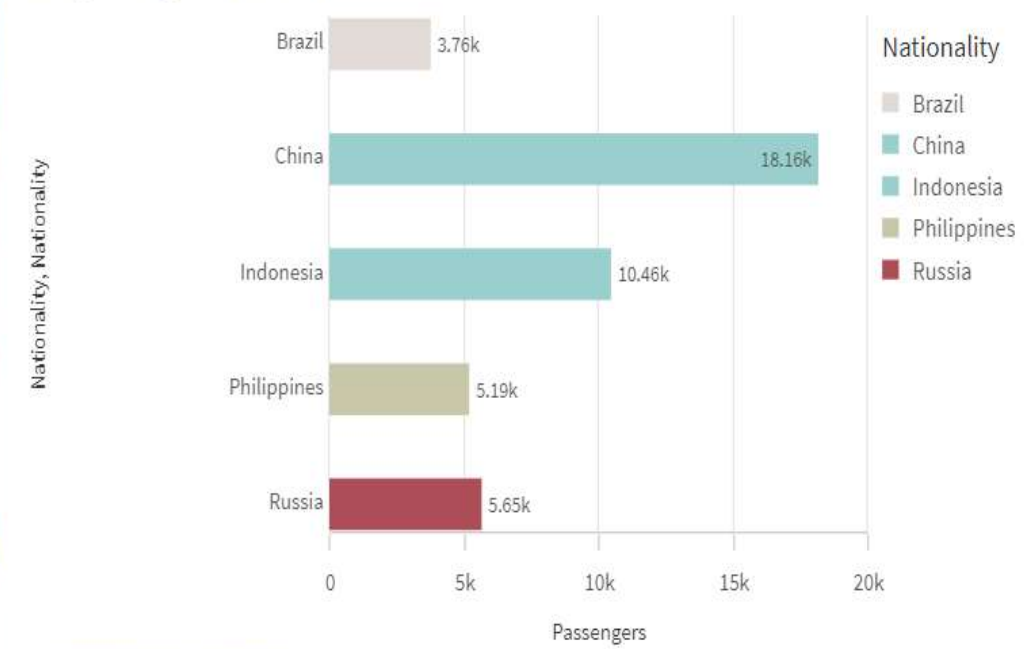
Age Group - Gender Wise



Continents wise - Flight Status



No of passengers -Nation wise



# Exploring Insights From Synthetic Airline Data Analysis With Qlik

Total Number of Passengers

97.74k

The number of Male & Female Passengers travelled:

Male - [Click here](#)

Female - [Click here](#)

Number of Passengers effected by Canceled flights

32.66k

Number of Passengers effected by Delayed flights

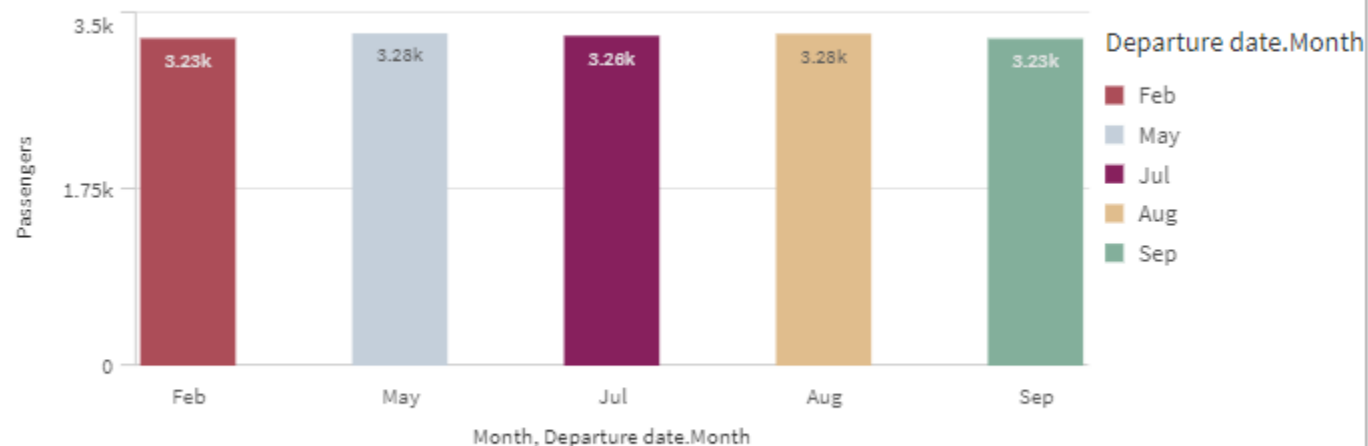
32.52k

Number of flights on time

32.56k

This charts displays the top 5 - Month - wise - Number of Passengers travelled

Top 5 - Number of Passengers travelled month wise



# Exploring Insights From Synthetic Airline Data Analysis With Qlik

Top 3 Months - Flight Status wise



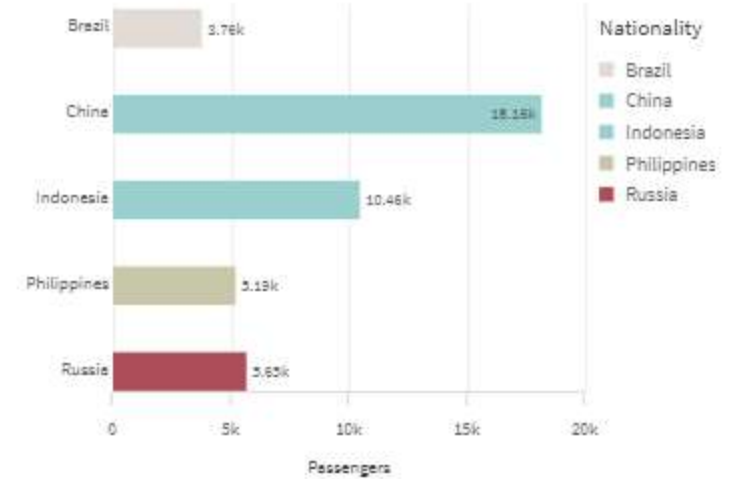
Age Group - Gender Wise



Continents wise - Flight Status



No of passengers - Nation wise



Data preprocessing code to add a column age group based on ages

```
[Airline Dataset Updated - v2]:  
Load;  
[Airline Dataset Updated - v2]:  
NOCONCATENATE LOAD  
if(Age AND Age <=1, 'Baby',  
if(Age >= 1 AND Age <=3, 'Toddler',  
if(Age >=4 AND Age <=9, 'Child',  
if(Age >= 10 AND Age <=12, 'Tween',  
if(Age > 13 AND Age < 19, 'Teen',  
if(Age >=20 AND Age <=24, 'Young Adult',  
if(Age >=25 AND Age<= 39, 'Adult',  
if(Age >=55 AND Age <=79, 'Elder',  
if(Age > 48 AND Age < 54, 'Middle',  
if(Age >=80, 'Just plain old')))))))) AS AgeGroup, Date#([Departure Date], 'MM/DD/YYYY') as [Departure_Date],  
Year([Departure Date]) AS Year,  
Month([Departure Date]) as Month  
RESIDENT [Airline Dataset Updated - v2]|  
WHERE NOT ([Arrival Airport] = '0' OR [Arrival Airport]= '-');
```