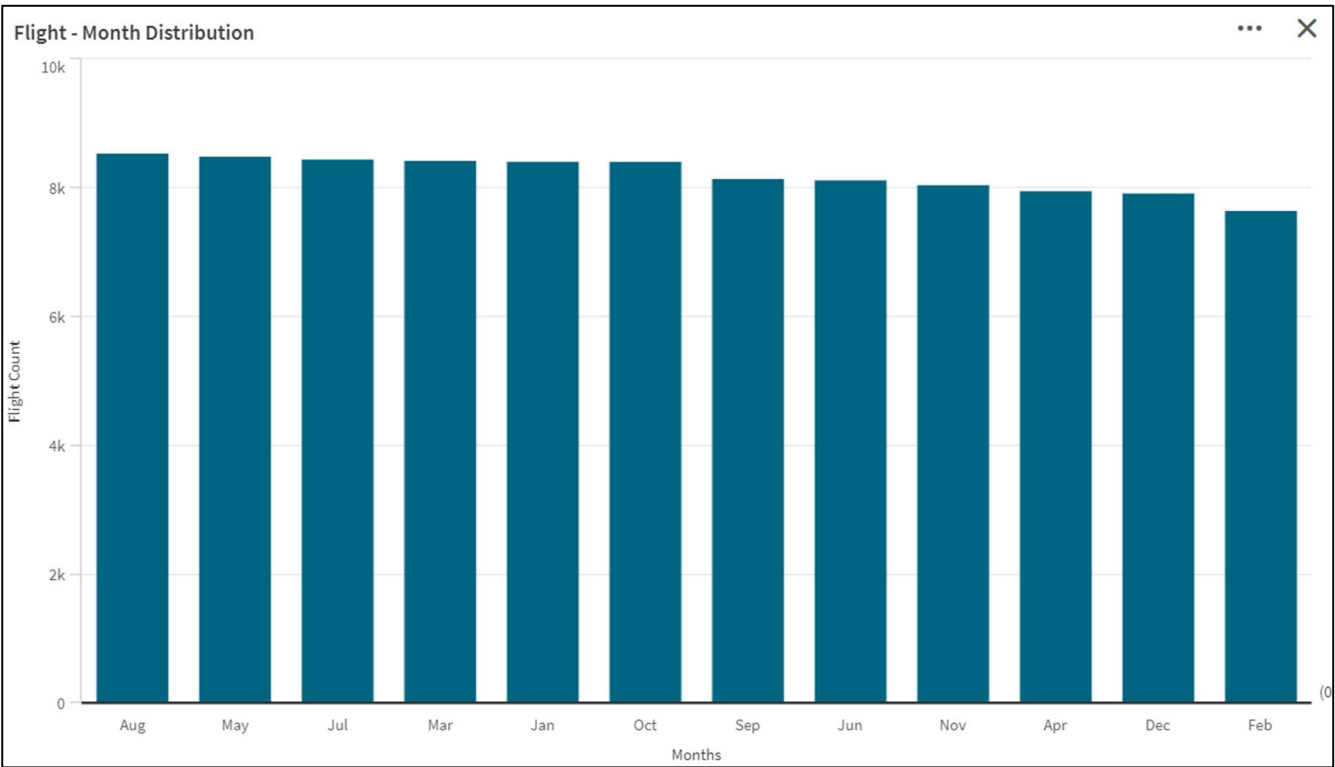**Name: Lavanya Rai (VIT Bhopal)**

Visualizations

Creating effective data visualizations is a crucial step in analysing and interpreting the dataset. Visualizations help transform raw data into meaningful insights that can be easily understood and acted upon.
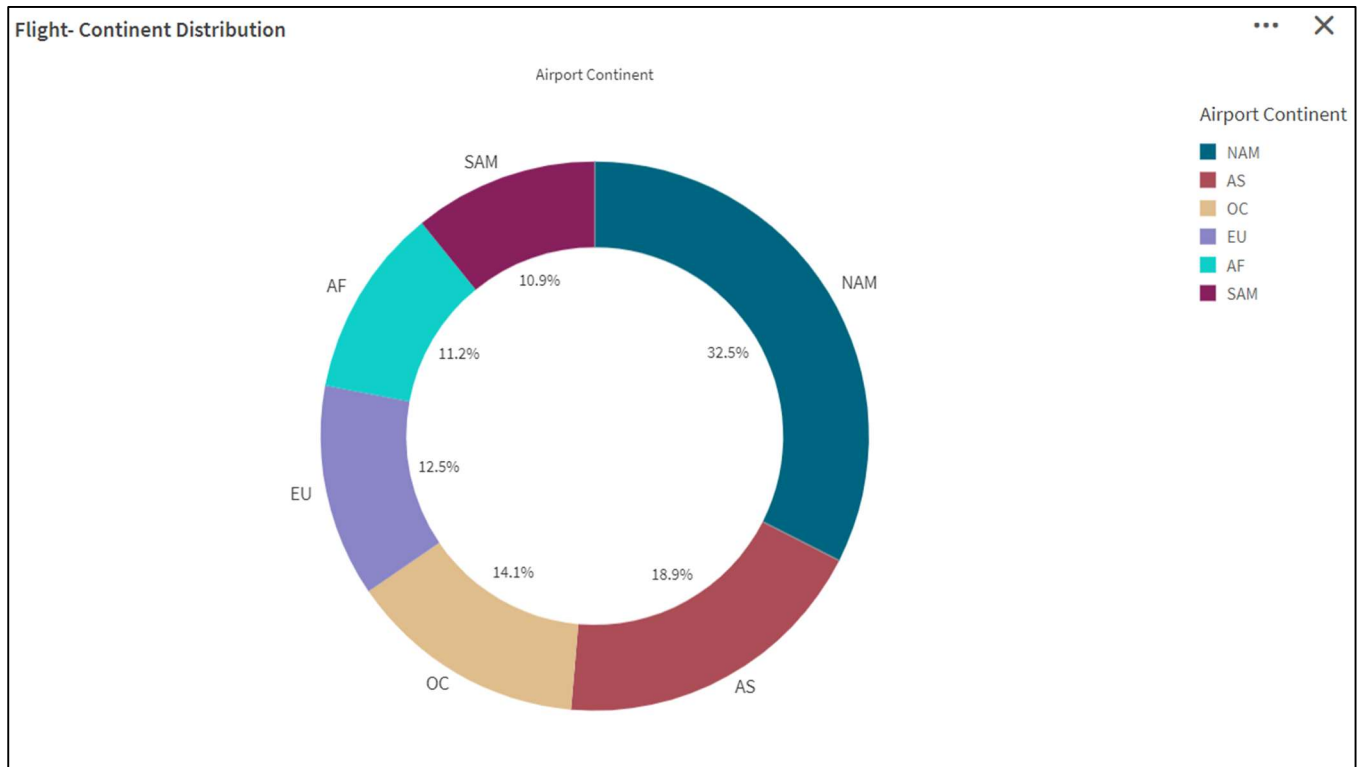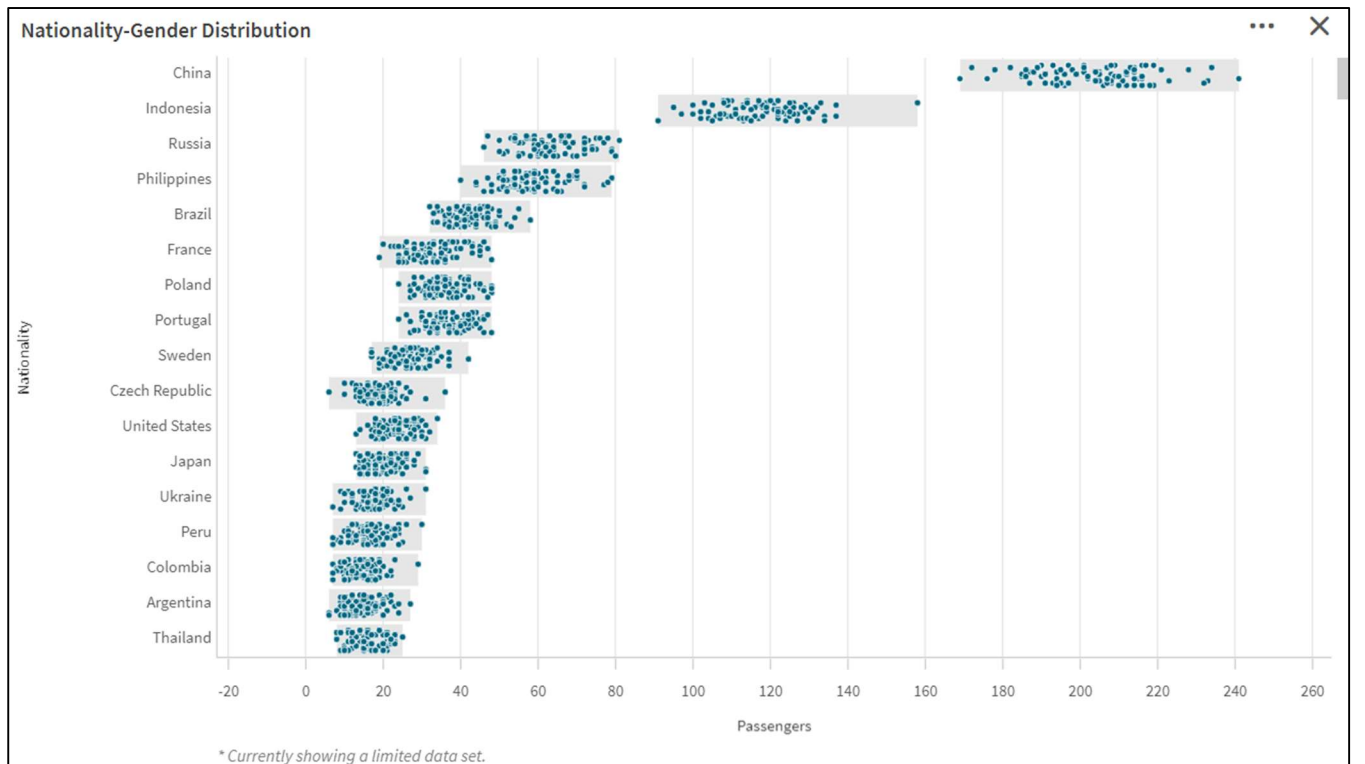
1. Total Flights KPI:

2. Flight Month Distribution Bar Graph:

3. Flight Continent Distribution Pie Chart:

Flight- Continent Distribution

Airport Continent

Airport Continent
- NAM
- AS
- OC
- EU
- AF
- SAM

NAM 32.5%
AS 18.9%
OC 14.1%
EU 12.5%
AF 11.2%
SAM 10.9%

4. Nationality Gender Distribution Plot:

Nationality-Gender Distribution

* Currently showing a limited data set.

5. <u>Nationality Gener Description NL Insights:</u>

Nationality - Gender Description

Calculated measure (KPI)

- The count of Passengers is 98.62k.

Breakdown (geospatial)

- Count of Passengers is 98.62k across 240 Nationality.
- Top Passengers is 18.32k where Nationality is China.

Breakdown

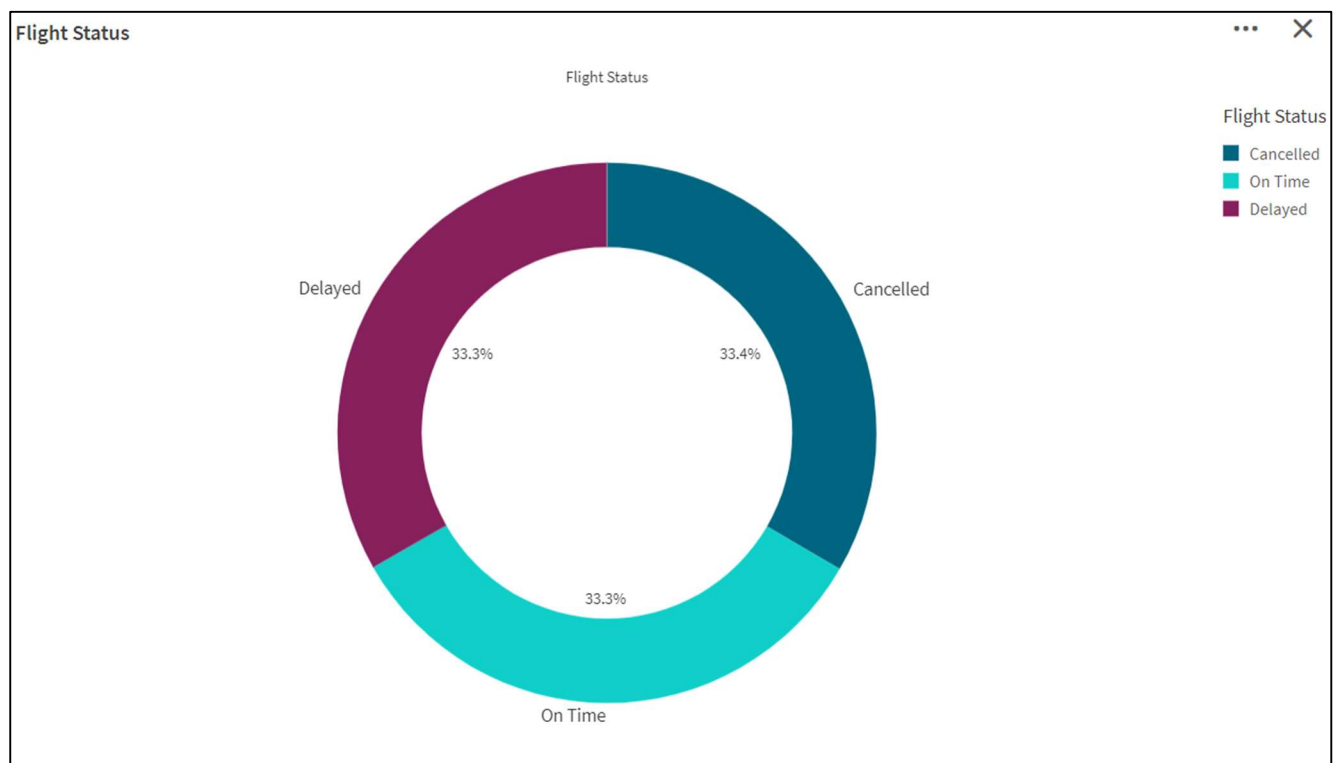- Highest Passengers is 241 where Nationality is China and Age is 4.

Comparison

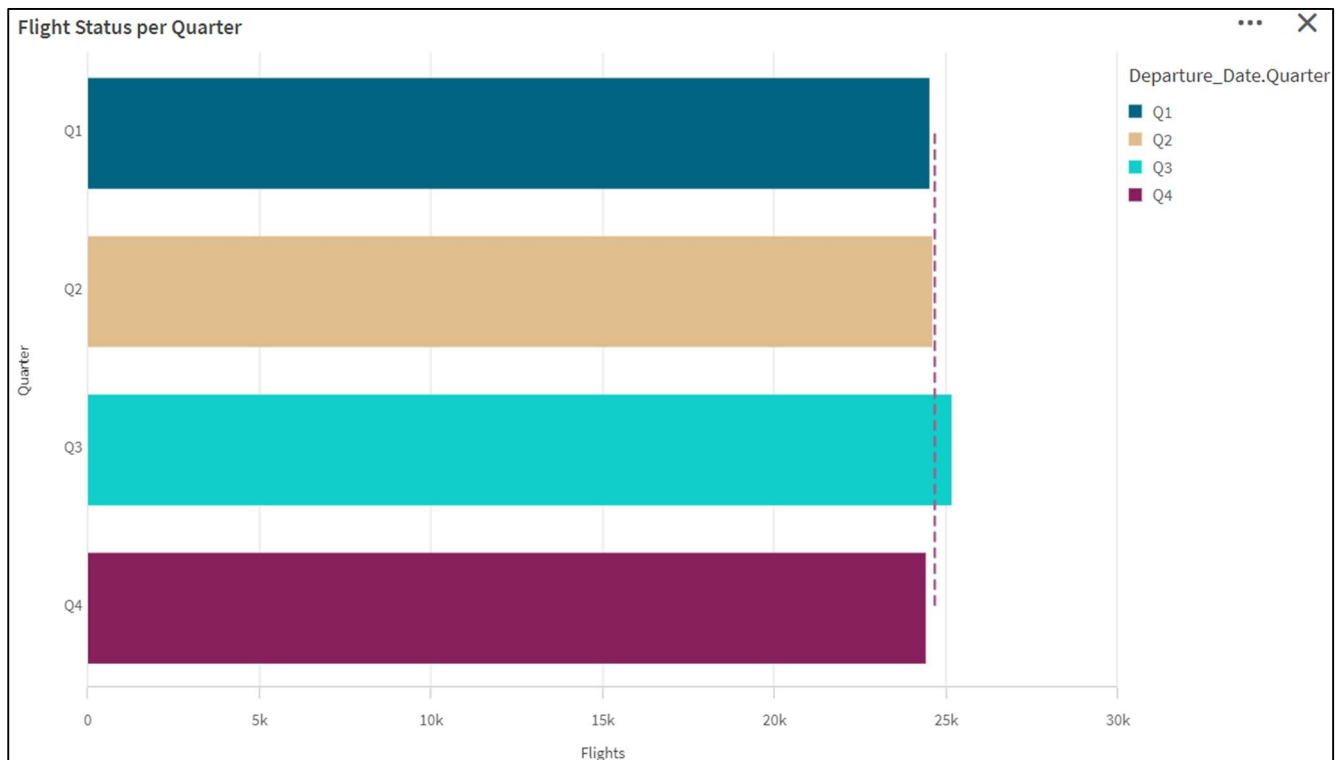- Comparison: Age is 0 and count of Passengers is 98.62k.

Mutual information

- The mutual dependence between Gender and Nationality is 15.58% while Gender and Age is 8.73%.
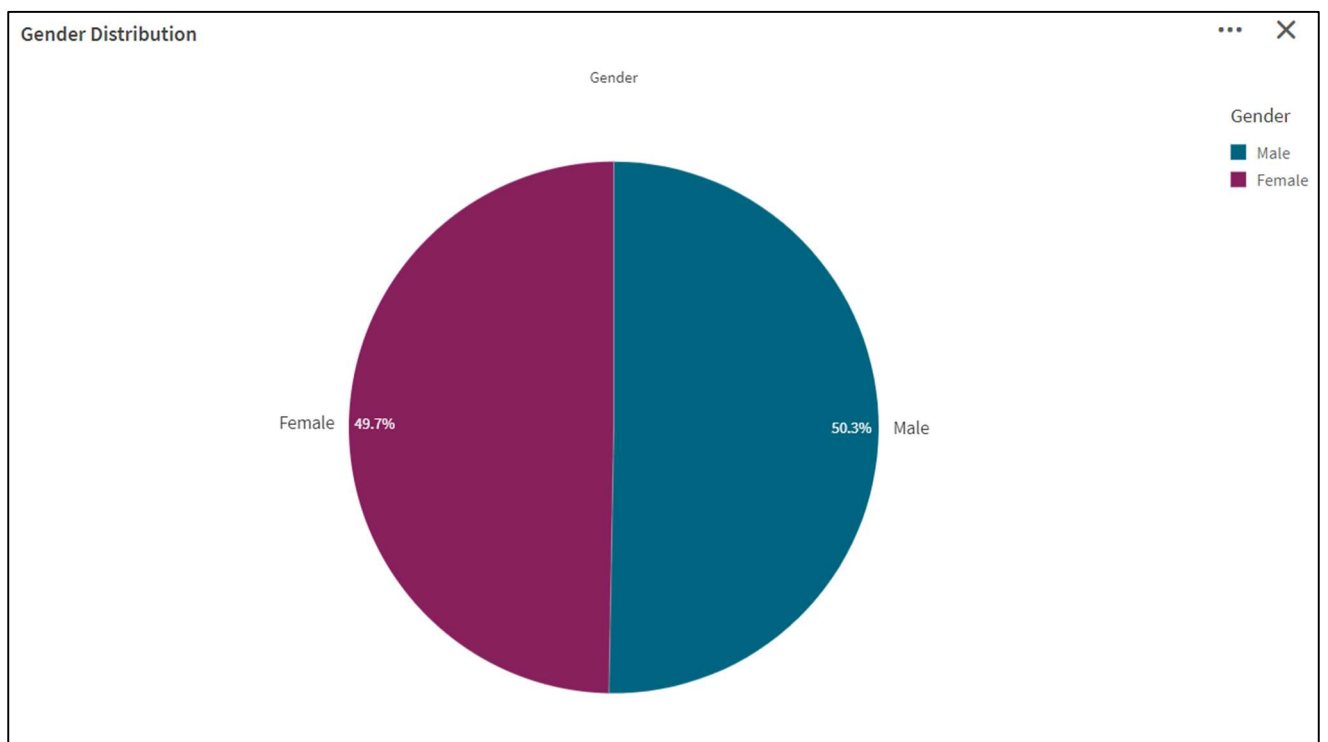
6. <u>Flight Status Pie Chart:</u>

7. <u>Flights per Quarter Bar Graph:</u>

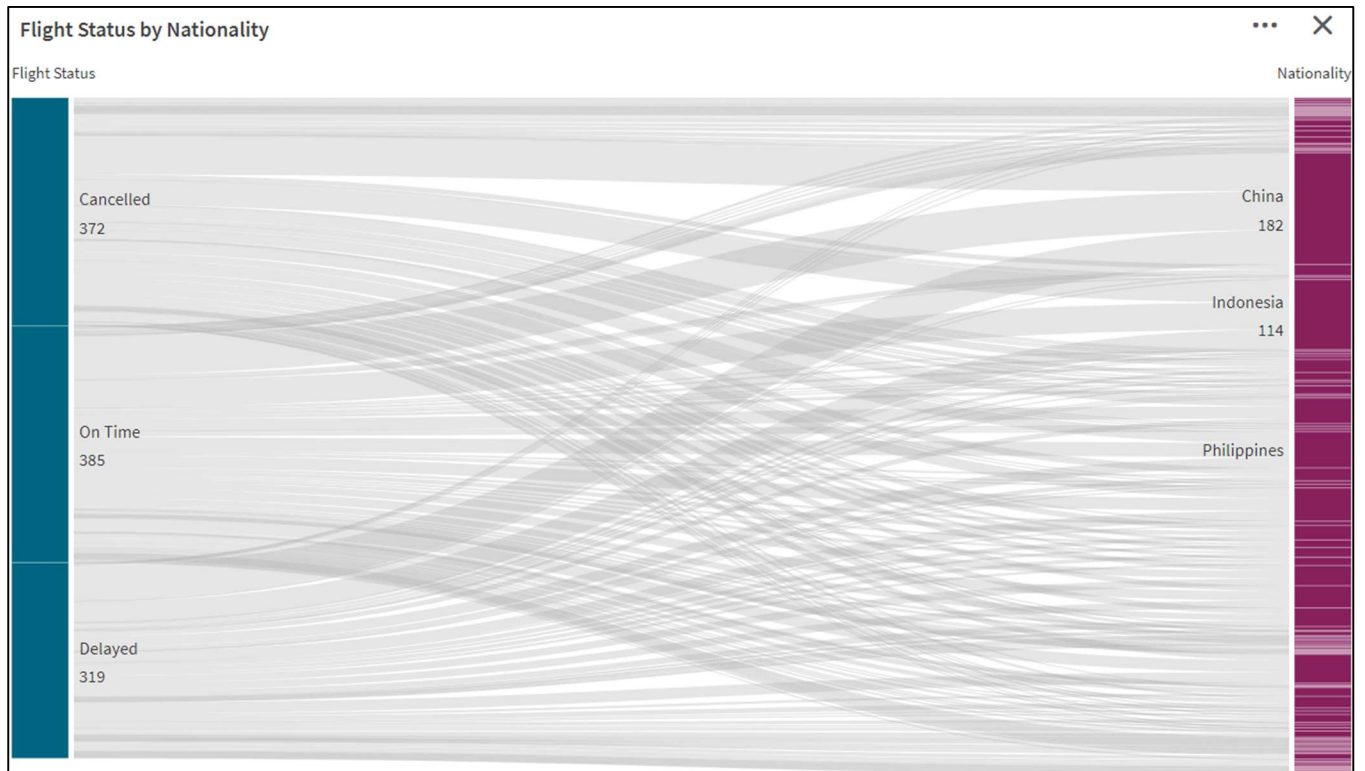8. <u>Gender Distribution Pie Chart:</u>

9. <u>Passenger Age Slider:</u>

10. Flight Status Filer Pane:

Q Flight Status
Cancelled
Delayed
On Time

11. Average Age of Nationalities Table:

Average Age of Nationalities

Nationality ▲ Q	Avg(Age)
Totals	**45.504021**
Afghanistan	45.461929
Aland Islands	46.3
Albania	45.858427
Algeria	39
American Samoa	52.5
Andorra	41.777778
Angola	47.160494
Anguilla	63
Antigua and Barbuda	43.888889
Argentina	44.860856
Armenia	46.136816
Aruba	38.75
Australia	41.022472
Austria	38.486486
Azerbaijan	47.435798
Bahamas	42.529412
Bahrain	42.666667
Bangladesh	43.29918
Barbados	61.7
Belarus	44.431548
Belgium	50.52
Belize	45.210526

12. Flight Status By Nationality Sankey Chart:

Flight Status by Nationality

Flight Status | Nationality

Cancelled 372
On Time 385
Delayed 319

China 182
Indonesia 114
Philippines

13. Flight Status by Nationality NL Insights:

Flight Status by Nationality Description

Calculated measure (KPI)

- The count of Count([Flight Status]) is 1.08k.

Ranking

- The count of Count([Flight Status]) is 1076.

Breakdown (geospatial)

- Count of Count([Flight Status]) is 1076 across 125 Nationality.
- Top Count([Flight Status]) is 182 where Nationality is China.

Mutual information

- The mutual dependence between Flight Status and Nationality is 50.44%.
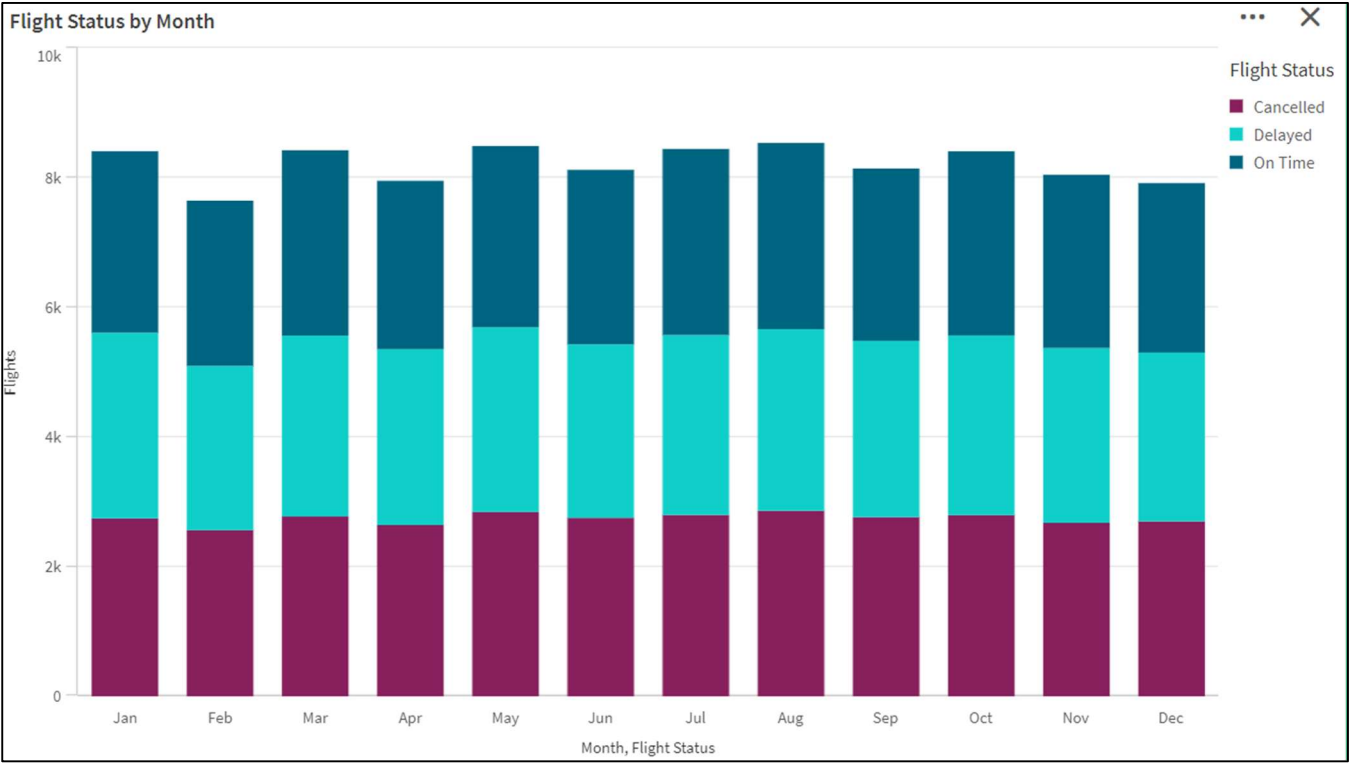
14. <u>Pilot Name Filter Pane:</u>

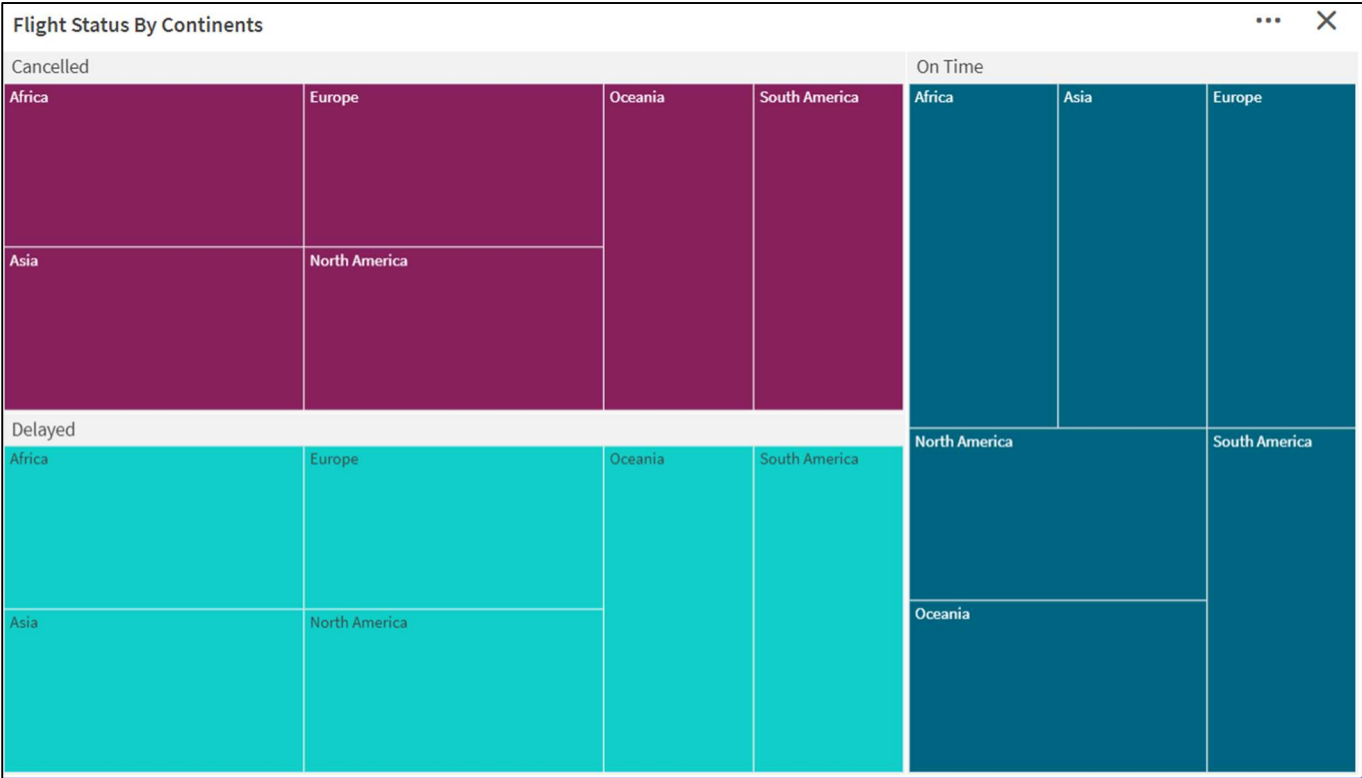| 🔍 **Pilot Name** |
| --- |
| Edithe Leggis |
| Elwood Catt |
| Darby Felgate |
| Dominica Pyle |
| Bay Pencost |
| Lora Durbann |
| Rand Bram |
| Perceval Dallosso |
| Aleda Pigram |
| Burlie Schustl |
| Porty Jori |
| Briant De La Haye |
| Kalie Scoble |
| Catriona Beaument |
| Amberly Handling |
| Dyna De'Vere - Hunt |
| Janella Hardaker |
| Alvin Wenzel |

15. <u>Passenger ID Filter Pane:</u>

🔍 **Passenger ID**
0ALCLa
0AlQ2l
0amvFk
0AMwdl
0An1bQ
0AN13u
0ANcMl
0ANlr0
0ANJso
0aq3QA
0aqfee
0aqso0
0aqWaU
0ArA8W
0ARtFR
0As2CD
0as90K
0AsOOh

16. Flight Status by Month:

17. Flight Status by Continent:

18. Passengers Travelled by Month: