Internship @ DecoderBot

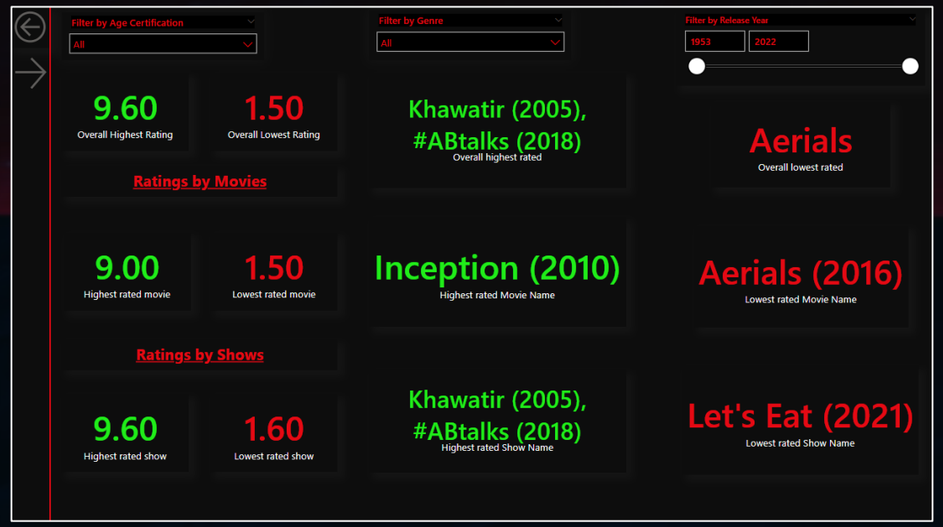
(1st April'24 - 30th April'24)

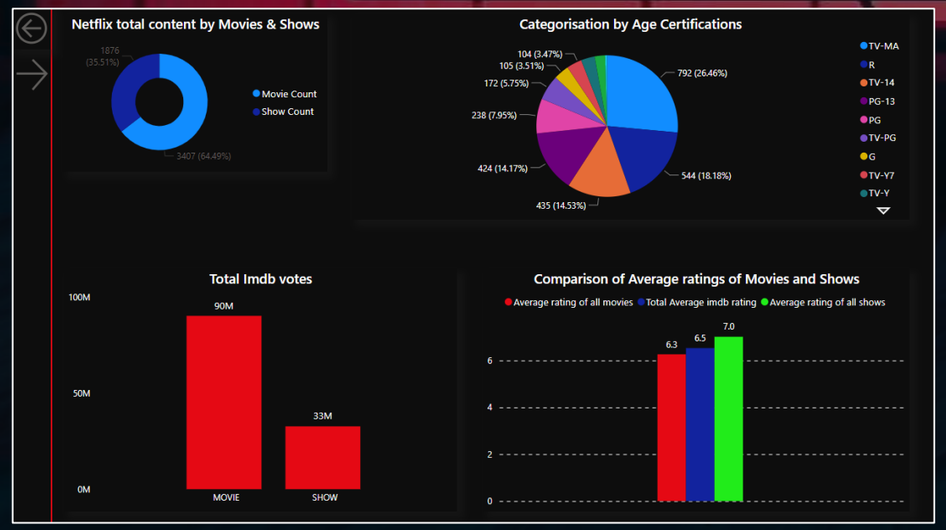
- Position: Data Analyst Intern
- Domain: Data Analytics
- Duration: 1 Month

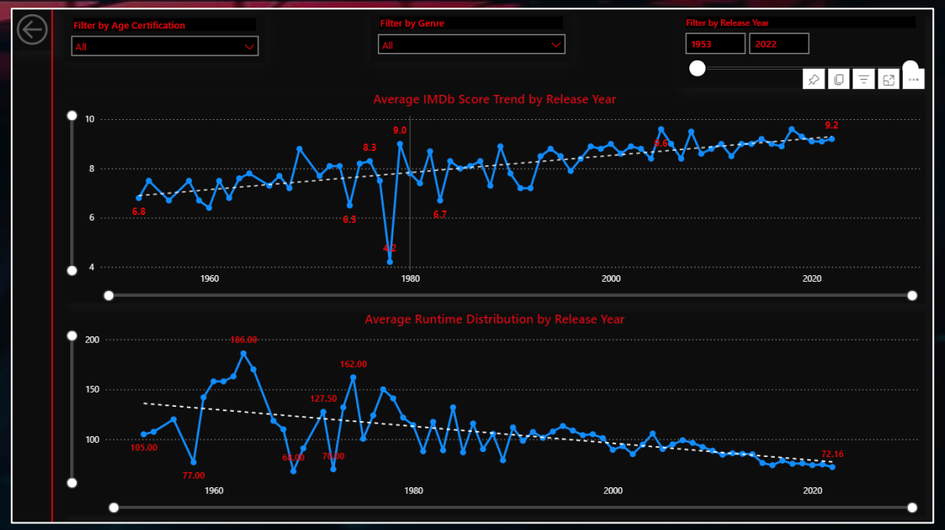
by Prateek Pritam

Task 1 – Netflix IMDB Scores Dashboard

Dashboard Snippets







Task 1 – Netflix IMDB Scores Dashboard

DAX Code Snippets

```
Highest rated Movie Name =
VAR HighestRated =
    MAX('Task 1- Netflix TV Shows and Movies'[imdb_votes])
VAR MovieName =
    CALCULATE (
        CONCATENATEX(
            VALUES('Task 1- Netflix TV Shows and Movies'[Films with release year]),
            'Task 1- Netflix TV Shows and Movies'[Films with release year],
            ", "),
    'Task 1- Netflix TV Shows and Movies'[imdb_votes]= HighestRated, 'Task 1- Netflix TV Shows and Movies'[type] = "MOVIE"
    )

RETURN MovieName
```

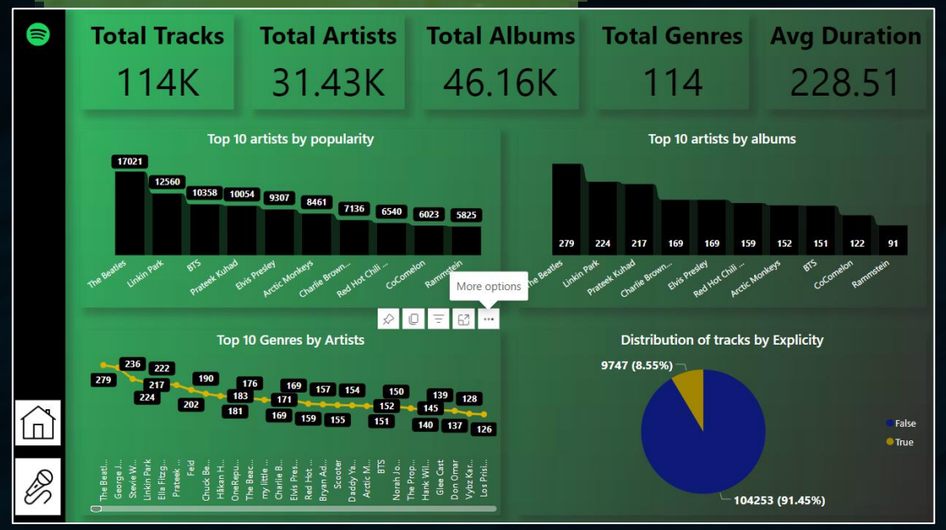
DAX for showing the movie name with the highest IMDB ratings.

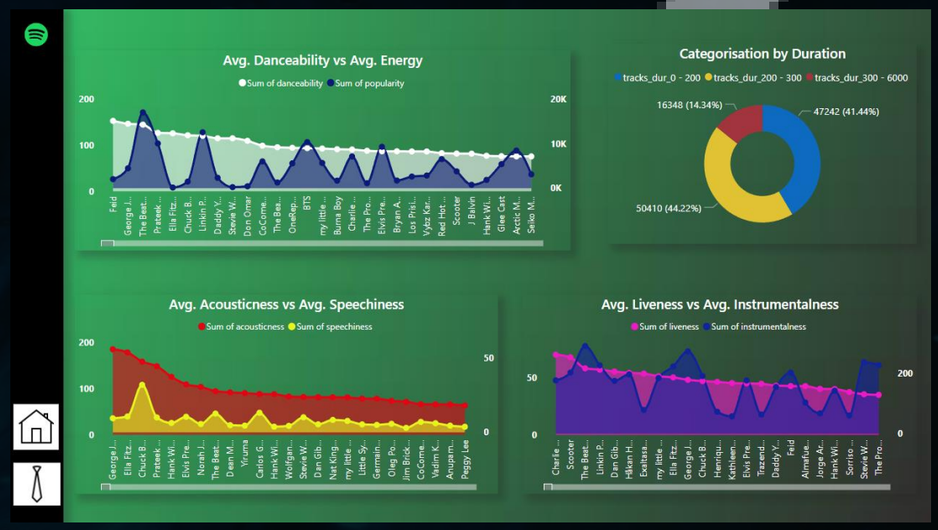
DAX for showing the overall highest IMDB rated content in Netflix.

```
Highest IMDb Rating with Movie =
VAR MaxIMDb = MAX('Task 1- Netflix TV Shows and Movies'[imdb_score])
VAR MovieName = CALCULATE(FIRSTNONBLANK('Task 1- Netflix TV Shows and Movies'[title], 1),
'Task 1- Netflix TV Shows and Movies'[imdb_score] = MaxIMDb)
RETURN
CONCATENATEX(VALUES('Task 1- Netflix TV Shows and Movies'[title]),
'Task 1- Netflix TV Shows and Movies'[title], ", ") & ": " & FORMAT(MaxIMDb, "#.##")
```

Task 2 – Spotify Tracks Genre Analysis

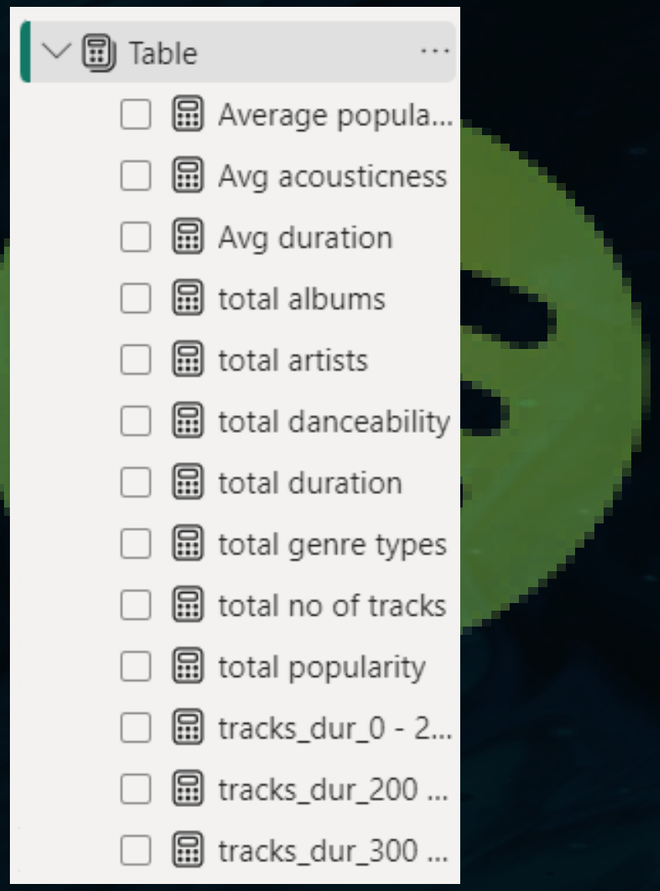
Dashboard Snippets





Task 2 – Spotify Tracks Genre Analysis

DAX Code Snippets



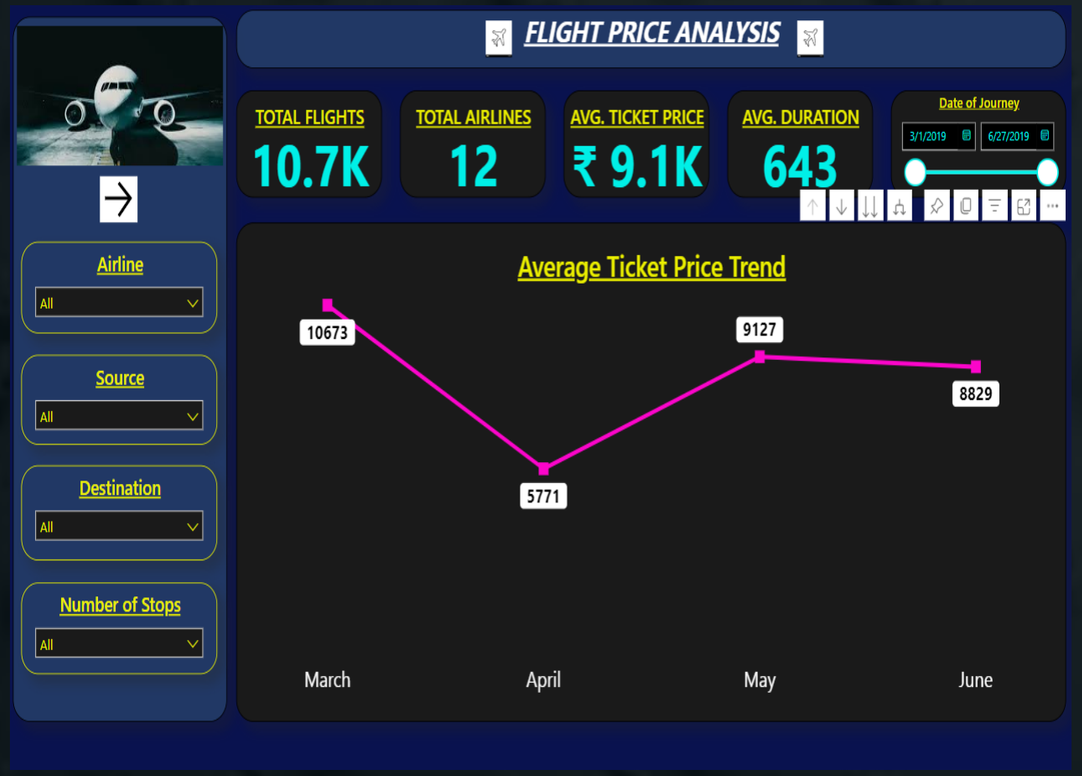
Measures used.

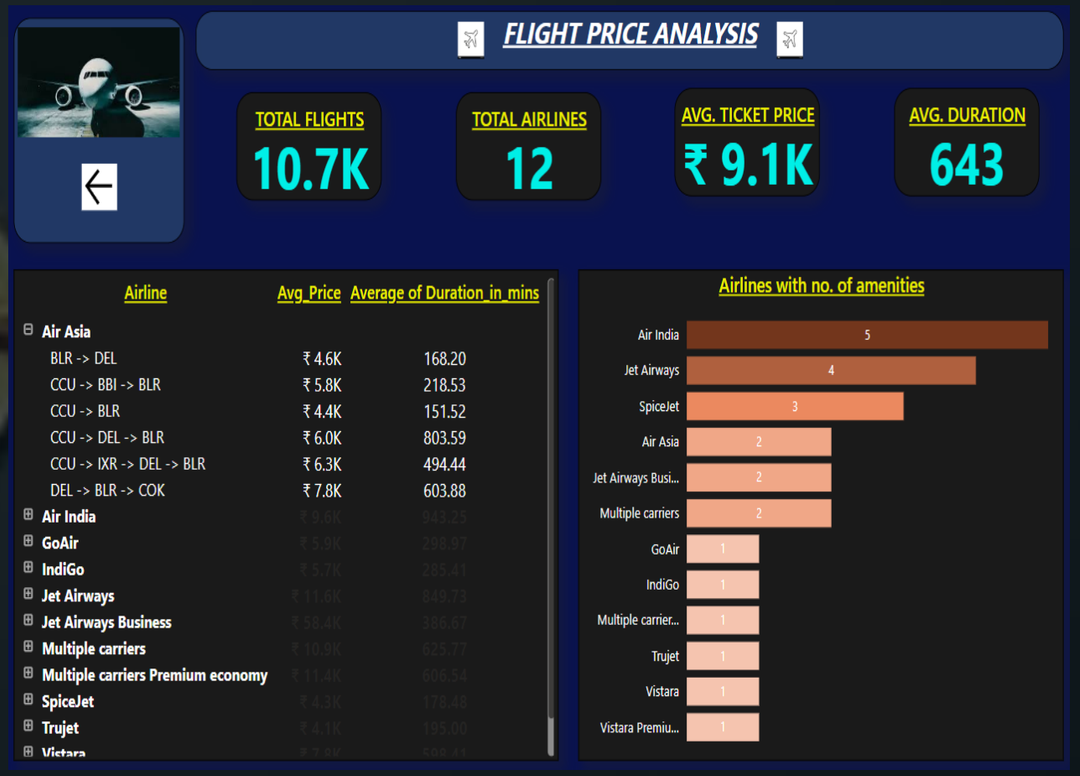
```
1 tracks_dur_300 - 6000 =
2 COUNTROWS(
3     FILTER(
4         'Task 2-Spotify Tracks Genre Analysis',
5         'Task 2-Spotify Tracks Genre Analysis'[duration_sec] >= 301 && 'Task 2-Spotify Tracks Genre Analysis'[duration_sec] <= 6000
6     )
7 )
```

DAX for calculating number of tracks having playtime between 300 and 6000 seconds.

Task 3 – Flight Price Prediction Dashboard

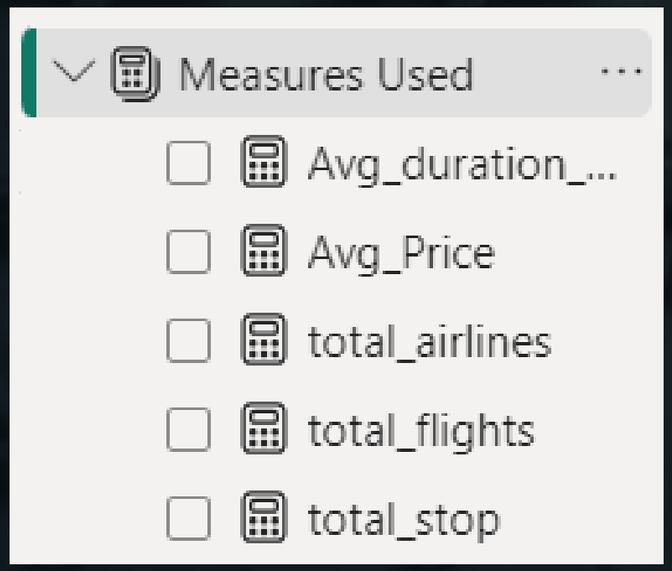
Dashboard Snippets





Task 3 – Flight Price Prediction Dashboard

DAX Code Snippets



Measures used.

```
1 total_stop =
2 SUM('Task 3- Flight Price Prediction Task'[Total_Stops])
```

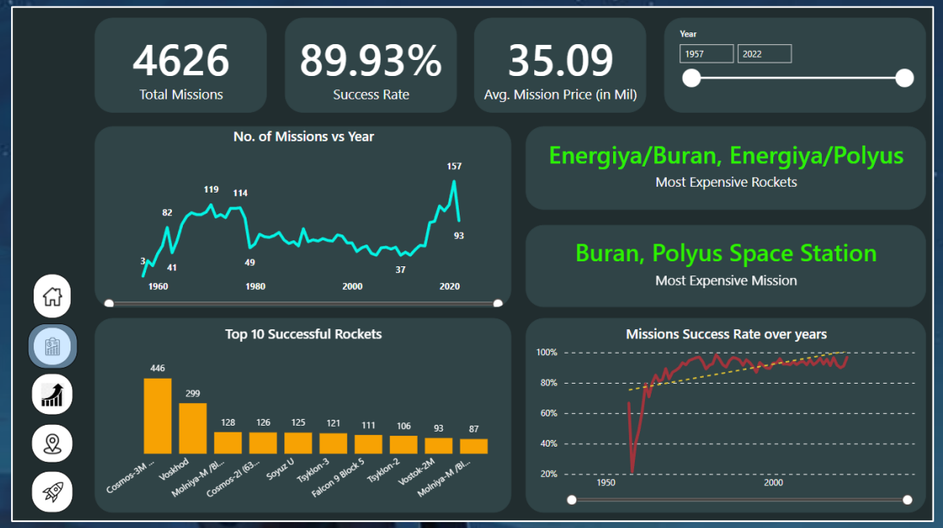
DAX to calculate the total number of stops.

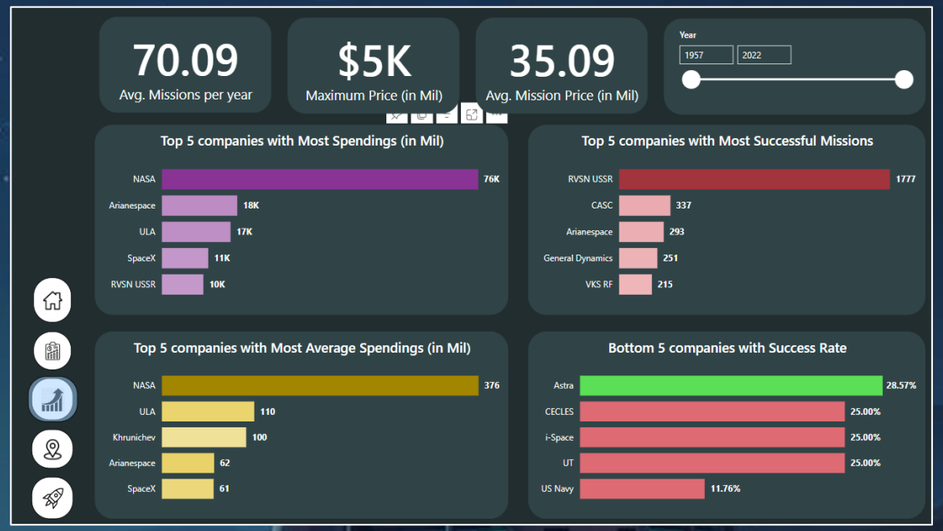
```
1 total_airlines =
2 DISTINCTCOUNT('Task 3- Flight Price Prediction Task'[Airline])
```

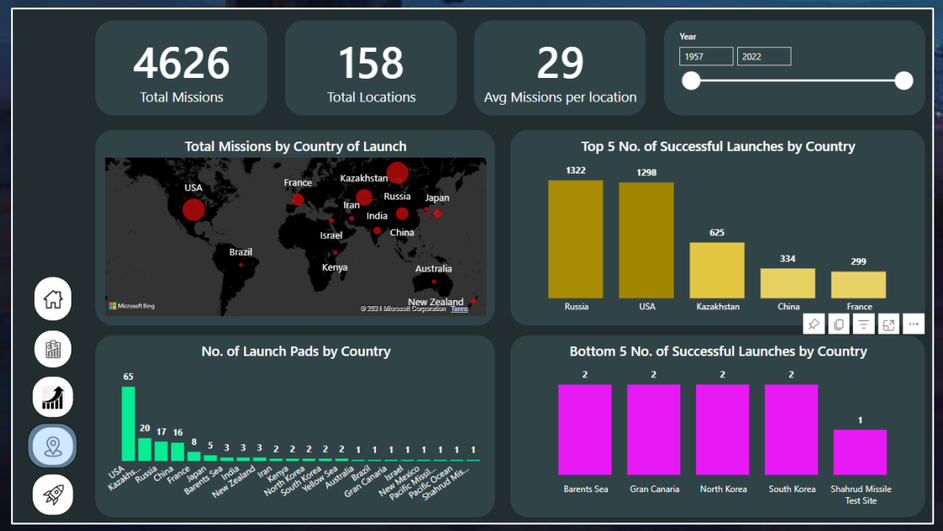
DAX to calculate the total number of airlines.

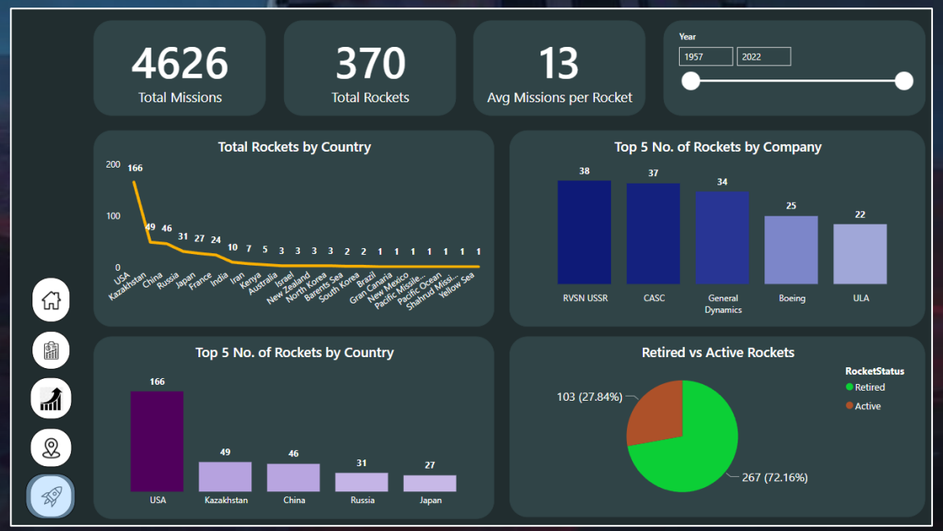
Task 4 – Space Mission Analysis Dashboard

Dashboard Snippets



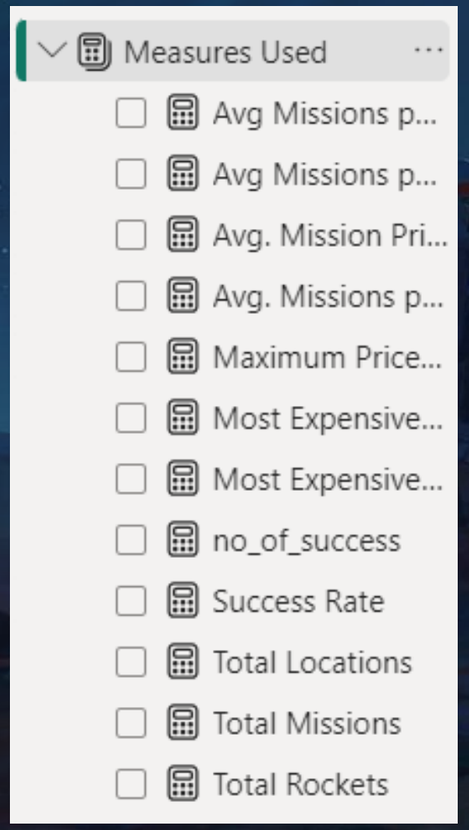






Task 4 – Space Mission Analysis Dashboard

DAX Code Snippets



Measures used.

```
Most Expensive Mission =
VAR MaxPrice =
    MAX('Task 4 -Space_Missions'[Price])

VAR ProductNames =
    CALCULATE (
        CONCATENATEX(
            VALUES('Task 4 -Space_Missions'[Mission]),
            'Task 4 -Space_Missions'[Mission],
            ", " ),
    'Task 4 -Space_Missions'[Price]= MaxPrice
    )

RETURN ProductNames
```

DAX to calculate most expensive mission.

```
Most Expensive Rockets =
VAR MaxPrice =
    MAX('Task 4 -Space_Missions'[Price])

VAR ProductNames =
    CALCULATE (
        CONCATENATEX(
            VALUES('Task 4 -Space_Missions'[Rocket]),
            'Task 4 -Space_Missions'[Rocket],
            ", " ),
    'Task 4 -Space_Missions'[Price]= MaxPrice
    )

RETURN ProductNames
```

DAX to calculate most expensive rocket.