



# Internship @ DecoderBot

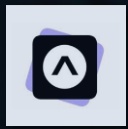
(1<sup>st</sup> April'24 – 30<sup>th</sup> April'24)

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



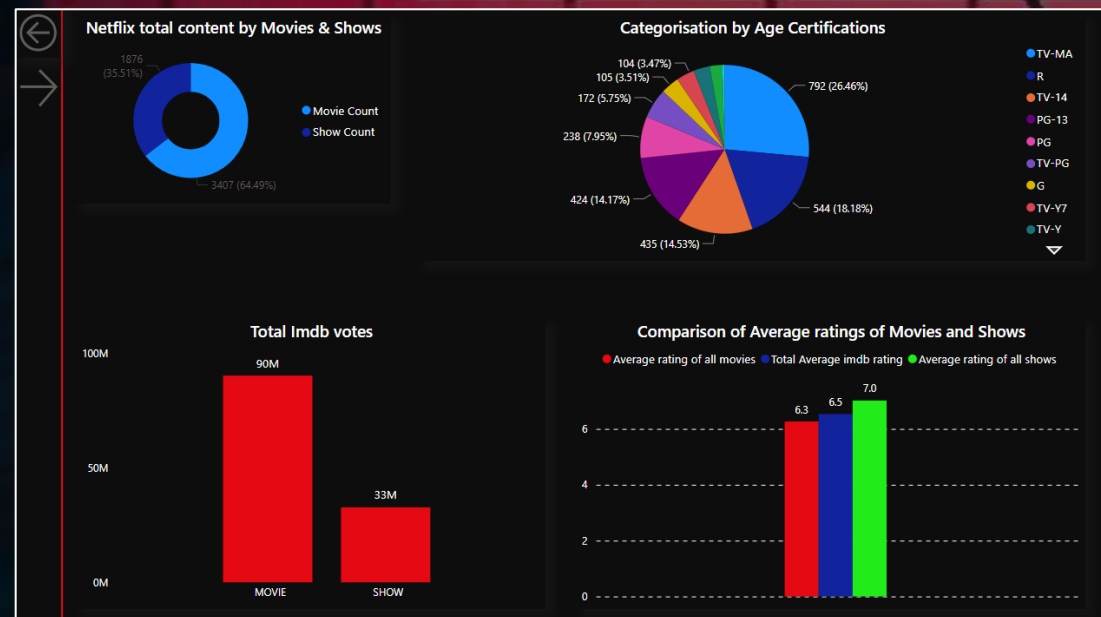
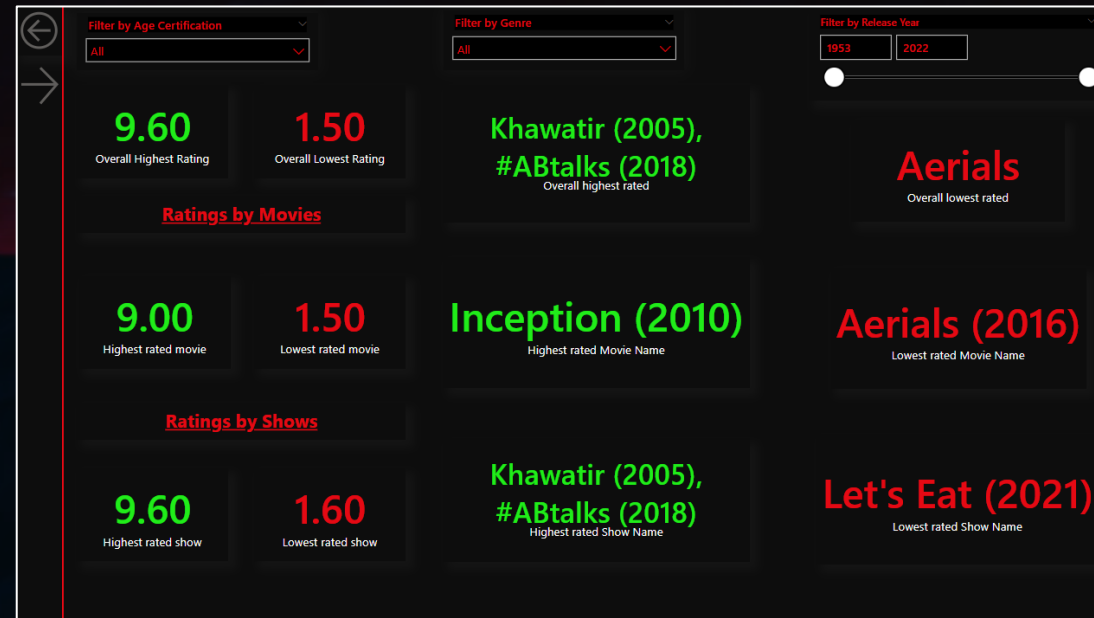
by Prateek Pritam



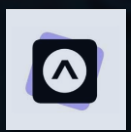


# Task 1 – Netflix IMDB Scores Dashboard

## Dashboard Snippets







# Task 1 – Netflix IMDB Scores Dashboard

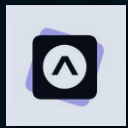
## DAX Code Snippets

```
1 Highest rated Movie Name =
2 VAR HighestRated =
3     MAX('Task 1- Netflix TV Shows and Movies'[imdb_votes])
4 VAR MovieName =
5     CALCULATE (
6         CONCATENATEX(
7             VALUES('Task 1- Netflix TV Shows and Movies'[Films with release year]),
8             'Task 1- Netflix TV Shows and Movies'[Films with release year],
9             ", "),
10        'Task 1- Netflix TV Shows and Movies'[imdb_votes]= HighestRated, 'Task 1- Netflix TV Shows and Movies'[type] = "MOVIE"
11    )
12
13 RETURN MovieName
```

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

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

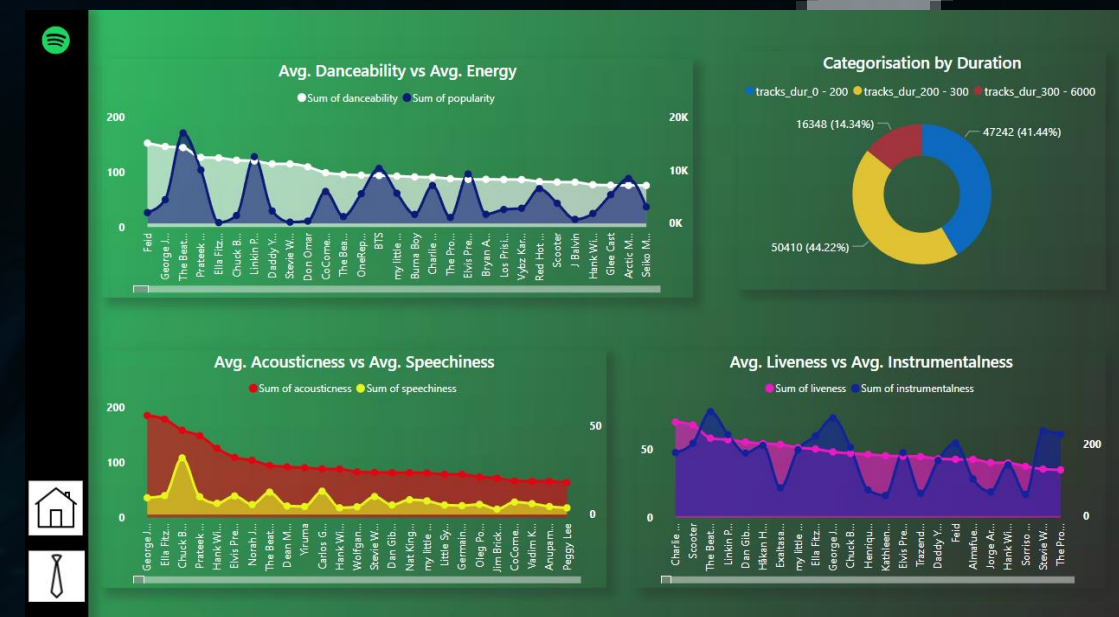
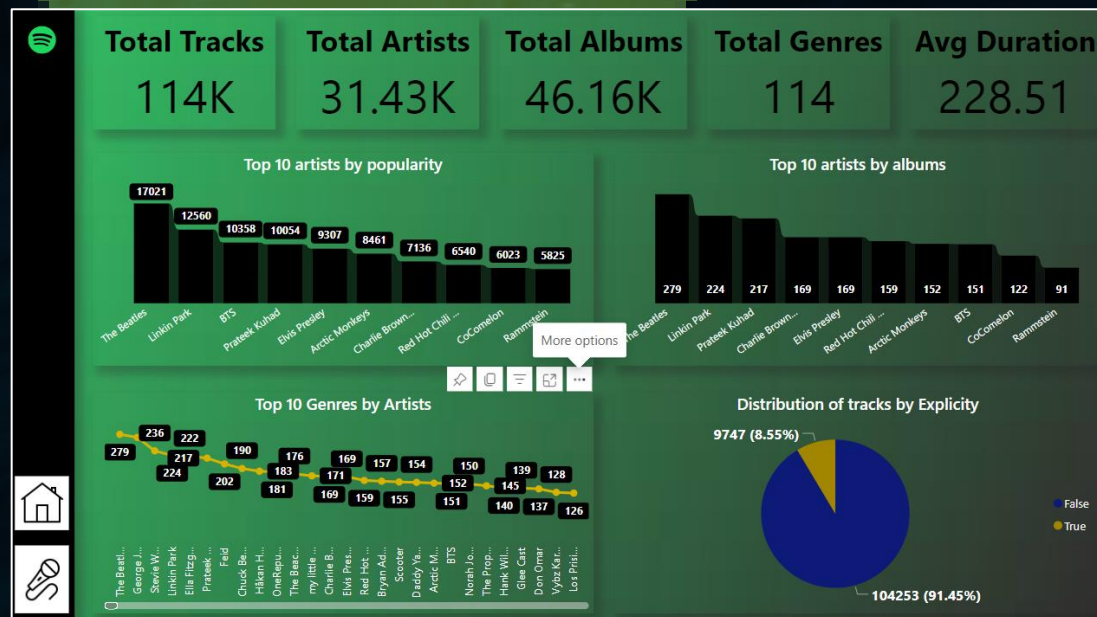
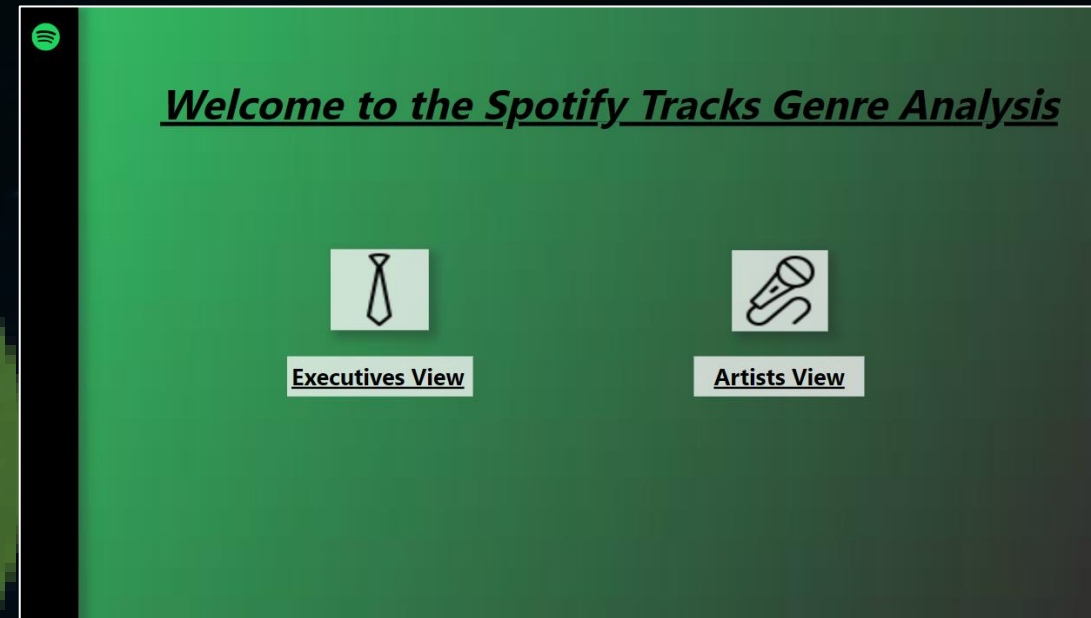
```
1 Highest IMDb Rating with Movie =
2 VAR MaxIMDb = MAX('Task 1- Netflix TV Shows and Movies'[imdb_score])
3 VAR MovieName = CALCULATE(FIRSTNONBLANK('Task 1- Netflix TV Shows and Movies'[title], 1),
4     'Task 1- Netflix TV Shows and Movies'[imdb_score] = MaxIMDb)
5 RETURN
6 CONCATENATEX(VALUES('Task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



# Task 2 – Spotify Tracks Genre Analysis

## Dashboard Snippets

spotify®

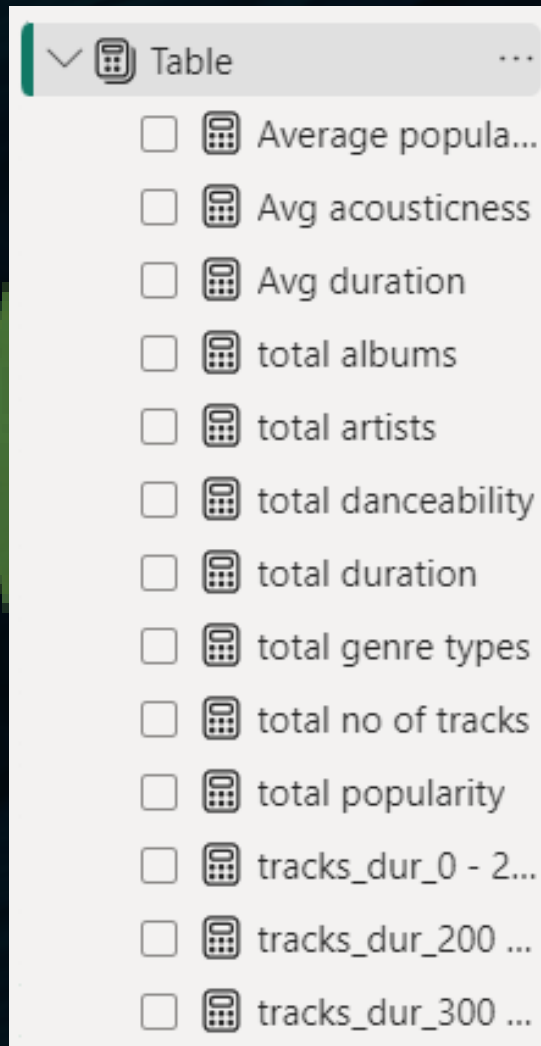






# Task 2 – Spotify Tracks Genre Analysis

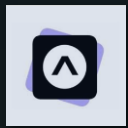
## DAX Code Snippets



```
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 )
```

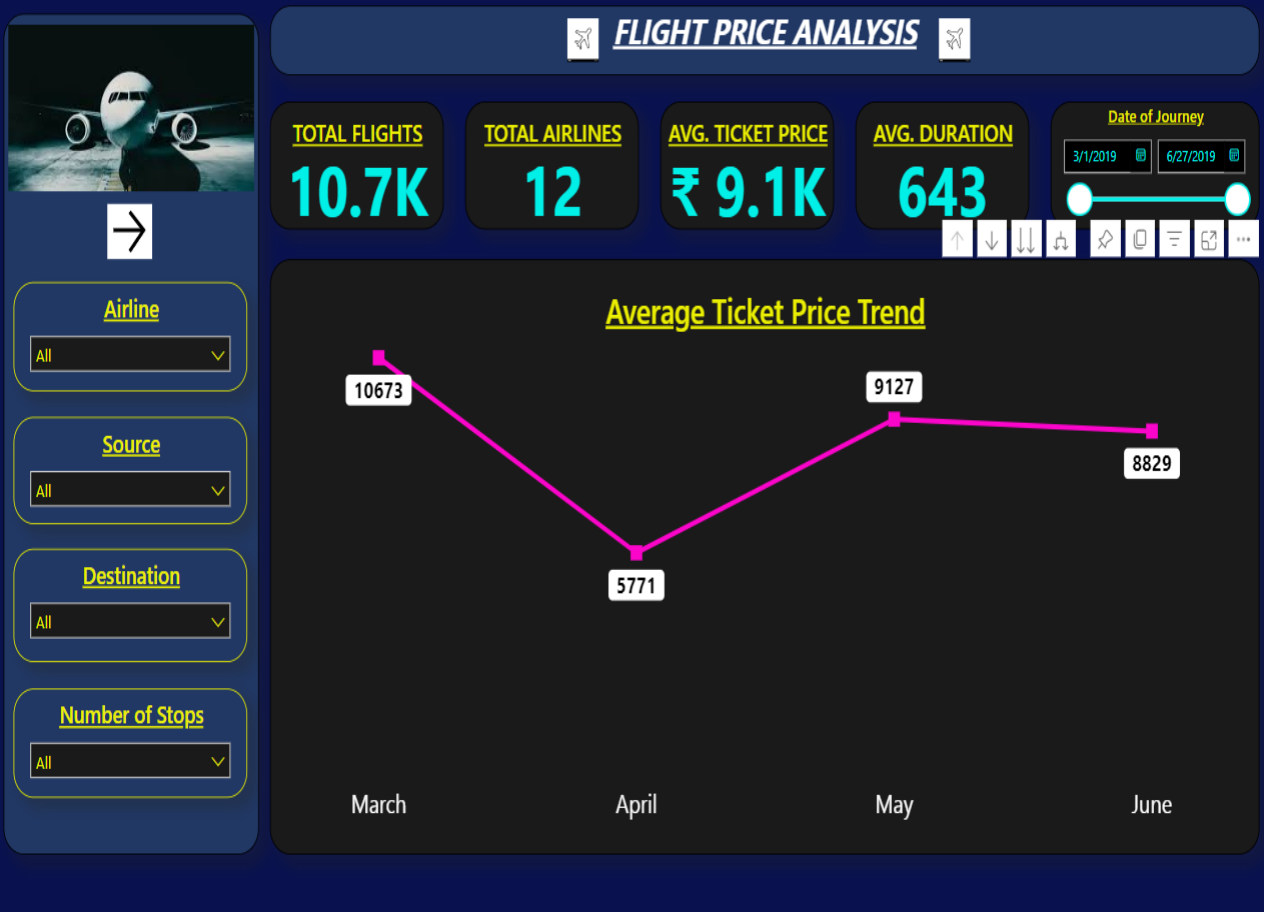
DAX for calculating number of tracks having playtime between 300 and 6000 seconds.

Measures used.



# Task 3 – Flight Price Prediction Dashboard

## Dashboard Snippets



Average Ticket Price Trend



Month	Average Ticket Price
March	10673
April	5771
May	9127
June	8829

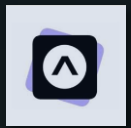


Airline	Avg. Price	Average of Duration in mins
Air Asia		
BLR -> DEL	₹ 4.6K	168.20
CCU -> BBI -> BLR	₹ 5.8K	218.53
CCU -> BLR	₹ 4.4K	151.52
CCU -> DEL -> BLR	₹ 6.0K	803.59
CCU -> IXR -> DEL -> BLR	₹ 6.3K	494.44
DEL -> BLR -> COK	₹ 7.8K	603.88
Air India	₹ 9.6K	943.25
GoAir	₹ 5.9K	298.97
IndiGo	₹ 5.7K	285.41
Jet Airways	₹ 11.6K	849.73
Jet Airways Business	₹ 58.4K	386.67
Multiple carriers	₹ 10.9K	625.77
Multiple carriers Premium economy	₹ 11.4K	606.54
SpiceJet	₹ 4.3K	178.48
Trujet	₹ 4.1K	195.00
Vistara	₹ 7.9K	600.43

Airlines with no. of amenities

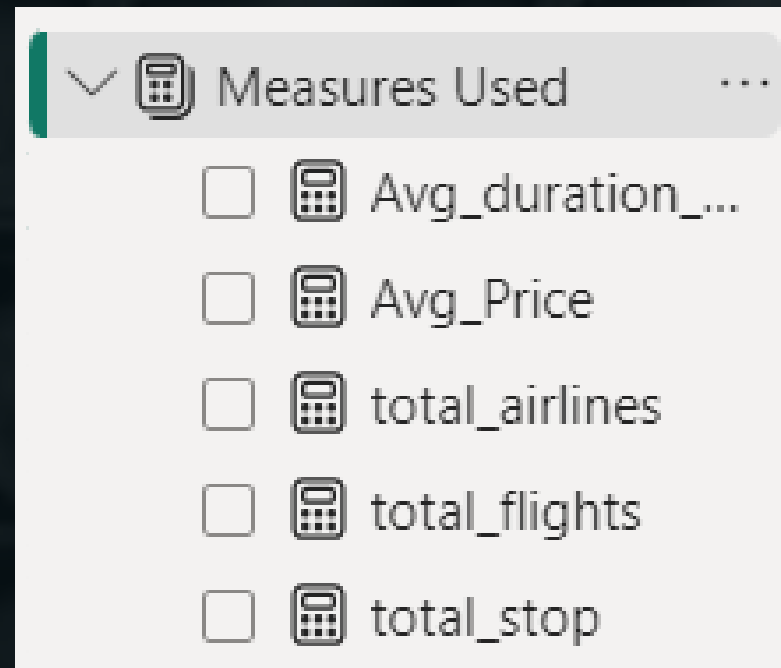


Airline	Number of Amenities
Air India	5
Jet Airways	4
SpiceJet	3
Air Asia	2
Jet Airways Business	2
Multiple carriers	2
GoAir	1
IndiGo	1
Multiple carriers Premium economy	1
Trujet	1
Vistara	1
Vistara Premium economy	1



# Task 3 – Flight Price Prediction Dashboard

## DAX Code Snippets



Measures used.

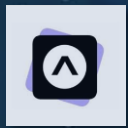
```
1 total_stop =  
2 SUM('Task 3- Flight Price Prediction Task'[Total_Stops])
```

DAX to calculate the total number of stops.

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

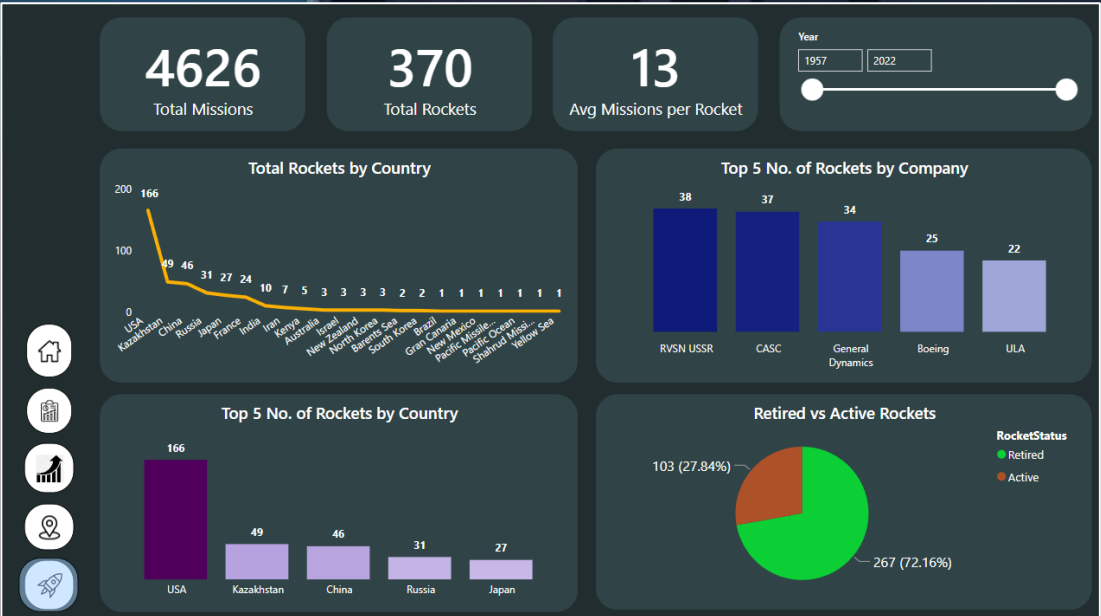
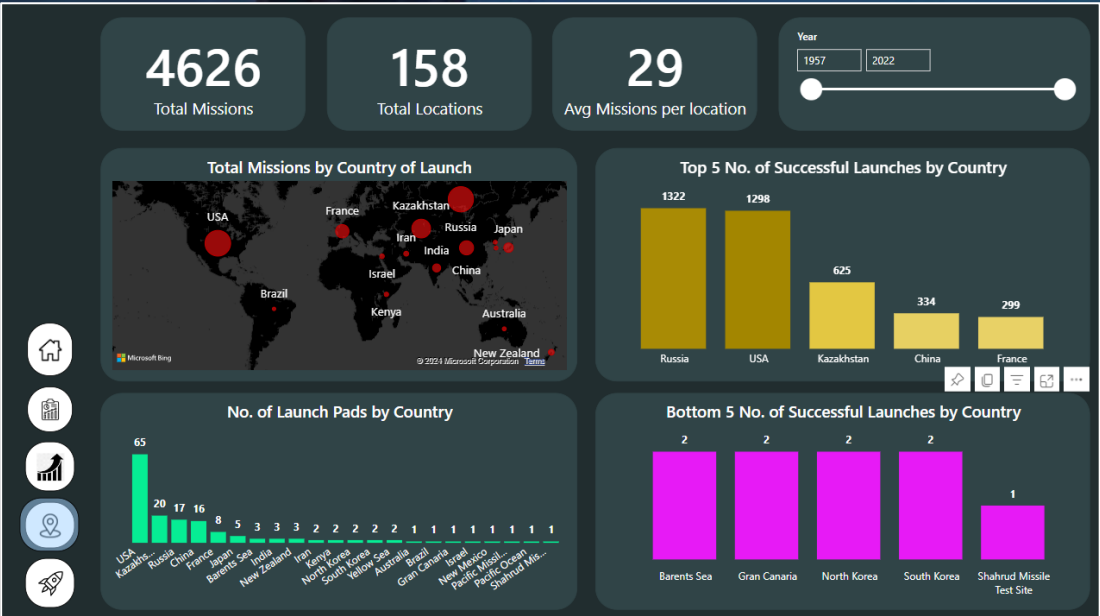
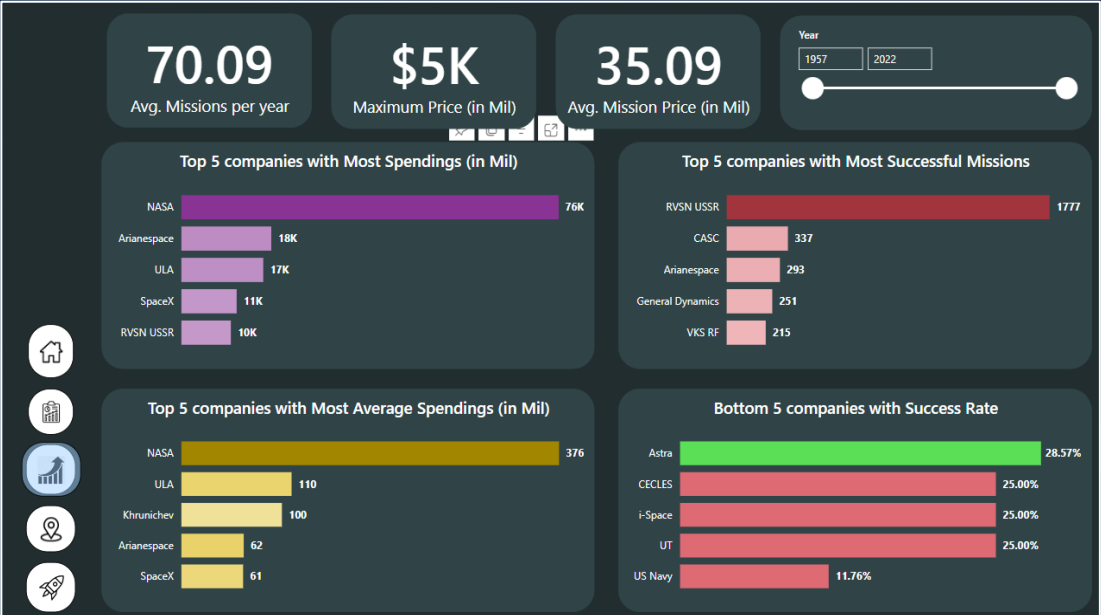
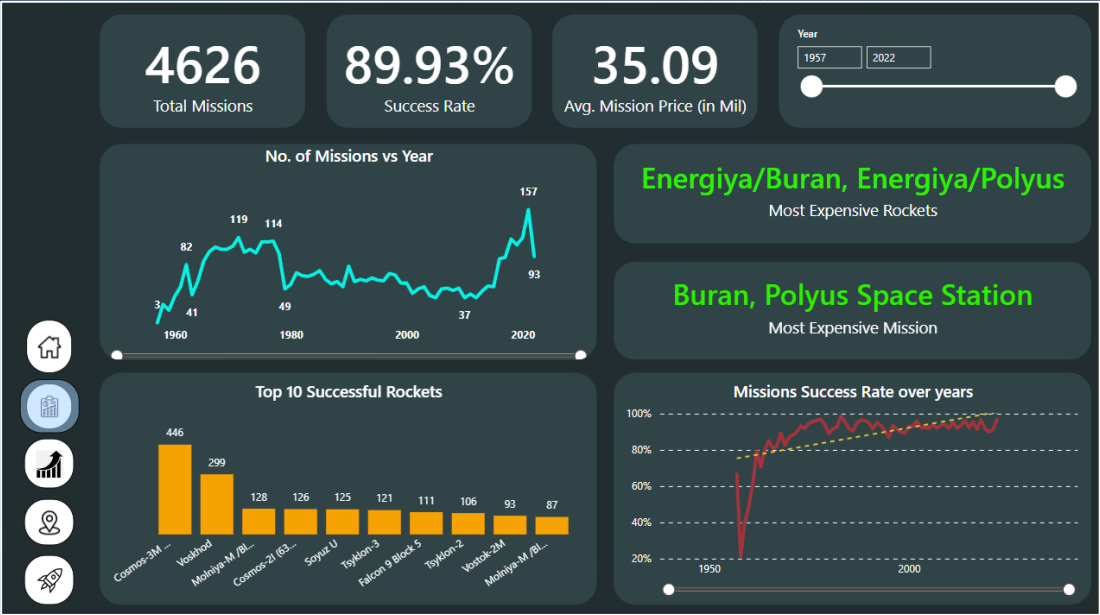
DAX to calculate the total number of airlines.



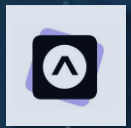


# Task 4 – Space Mission Analysis Dashboard

## Dashboard Snippets

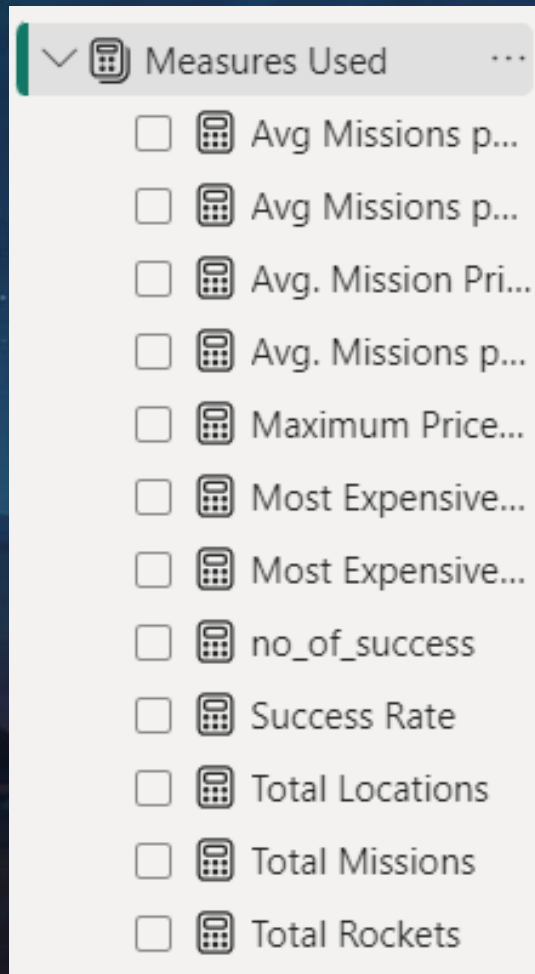






# Task 4 – Space Mission Analysis Dashboard

## DAX Code Snippets



Measures used.

```
1 Most Expensive Mission =
2 VAR MaxPrice =
3     MAX('Task 4 -Space_Missions'[Price])
4
5 VAR ProductNames =
6     CALCULATE (
7         CONCATENATEX(
8             VALUES('Task 4 -Space_Missions'[Mission]),
9             'Task 4 -Space_Missions'[Mission],
10            ", " ),
11     'Task 4 -Space_Missions'[Price]= MaxPrice
12 )
13
14 RETURN ProductNames
```

DAX to calculate most expensive mission.

```
1 Most Expensive Rockets =
2 VAR MaxPrice =
3     MAX('Task 4 -Space_Missions'[Price])
4
5 VAR ProductNames =
6     CALCULATE (
7         CONCATENATEX(
8             VALUES('Task 4 -Space_Missions'[Rocket]),
9             'Task 4 -Space_Missions'[Rocket],
10            ", " ),
11     'Task 4 -Space_Missions'[Price]= MaxPrice
12 )
13
14 RETURN ProductNames
```

DAX to calculate most expensive rocket.