P4 Exploratory Data Analysis on Space Exploration Missions using Power BI

WEEK-2 REPORT

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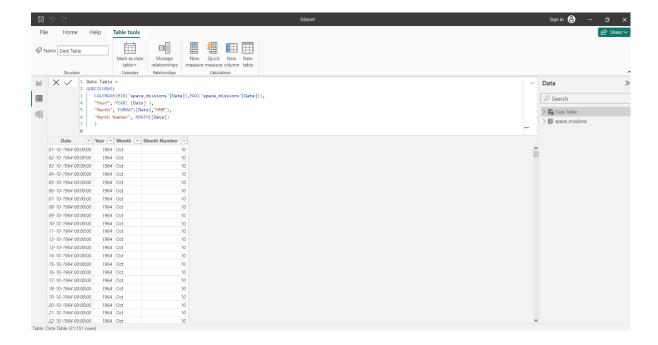
AICTE Internship Student Registration ID): STU61279353903791629983571

Step 1: Use DAX

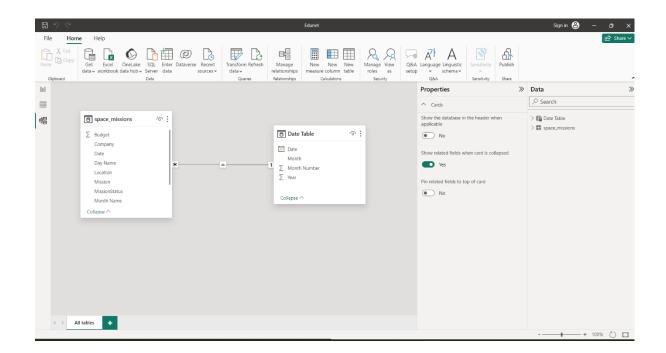
```
Table view -> New Table ->
```

```
Date Table =
```

```
ADDCOLUMNS(
 CALENDAR(MIN('space_missions'[Date]),MAX('space_missions'[Date])),
 "Year", YEAR( [Date] ),
 "Month", FORMAT([Date], "MMM"),
 "Month Number", MONTH([Date])
 )
```



Step 2: open model view -> And derive date table from date of space missions table



Step 3: Create measures

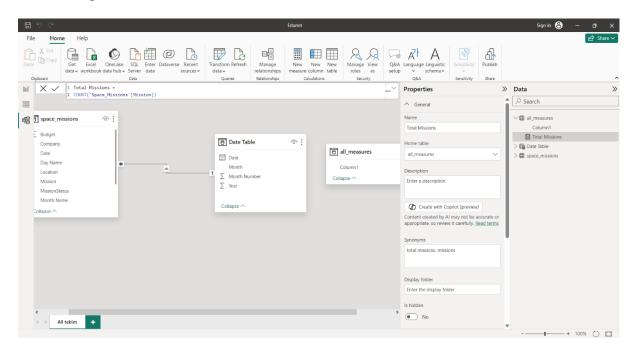
New measure -> name it as 'all_measures' -> load

Click on the three dots of 'all_measures' -> new column

Click on the three dots of new column -> new measure

Create measures for:

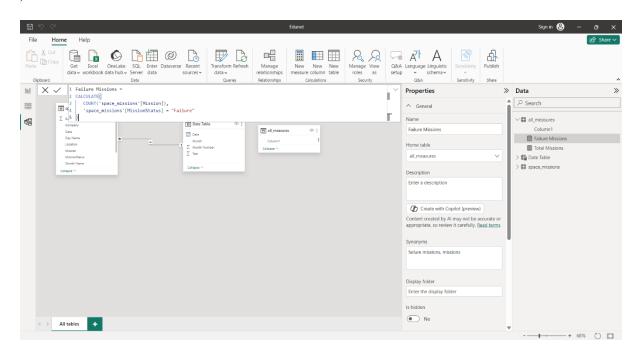
Total Missions = COUNT('Space_Missions'[Mission])



```
Failure Missions =

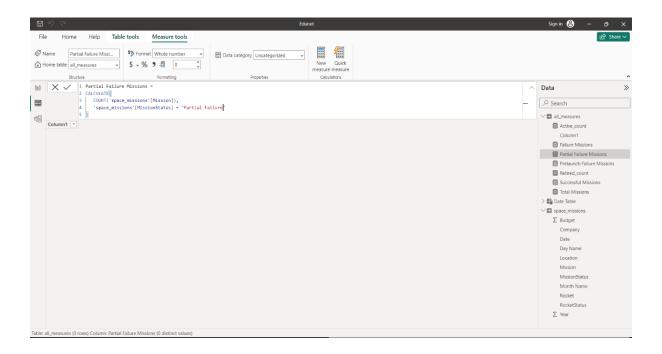
CALCULATE(

COUNT('space_missions'[Mission]),
    'space_missions'[MissionStatus] = "Failure"
)
```

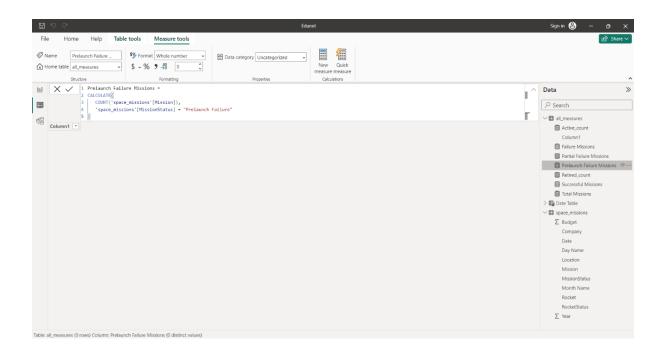


```
Partial Failure Missions =

CALCULATE(
    COUNT('space_missions'[Mission]),
    'space_missions'[MissionStatus] = "Partial Failure"
)
```



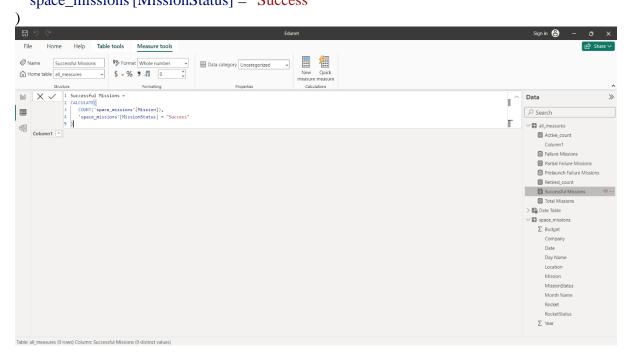
```
Prelaunch Failure Missions =
CALCULATE(
COUNT('space_missions'[Mission]),
    'space_missions'[MissionStatus] = "Prelaunch Failure"
)
```



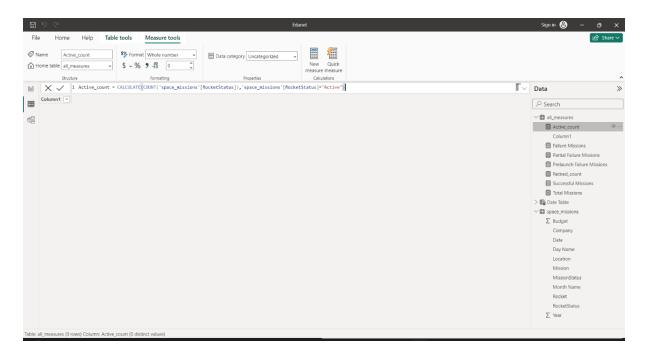
Successful Missions =

CALCULATE(

COUNT('space_missions'[Mission]),
'space_missions'[MissionStatus] = "Success"

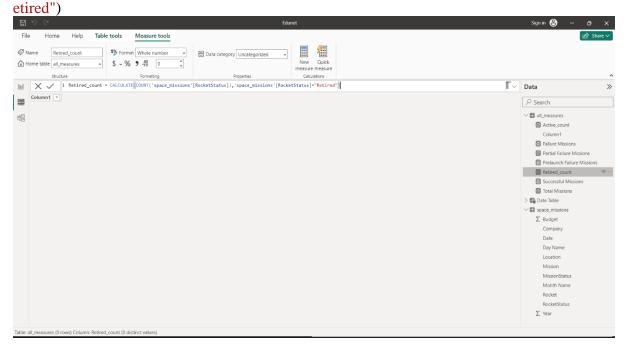


Active_count = CALCULATE(COUNT('space_missions'[RocketStatus]),'space_missions'[RocketStatus]="A ctive")



Retired_count =

CALCULATE(COUNT('space_missions'[RocketStatus]), 'space_missions'[RocketStatus]="R



Step 4: Create visuals using Card for each measure

