

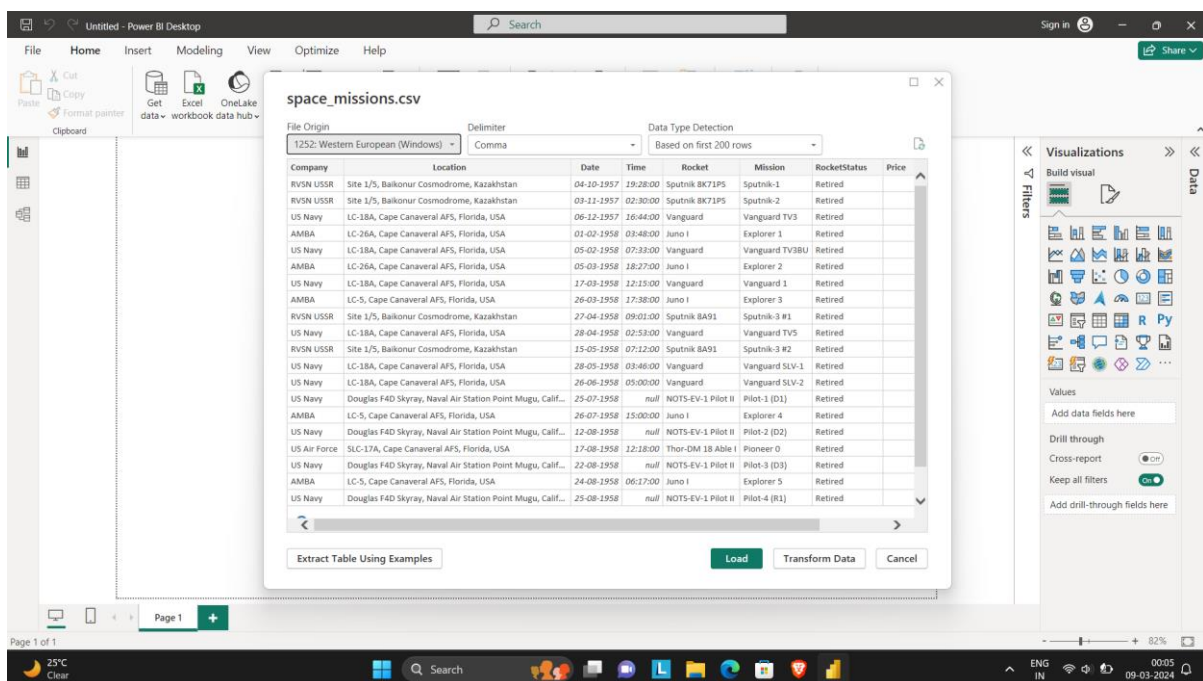
# EY GDS INTERNSHIP

## First Week Milestone

Name: Abhijeet Anil Wable

Student Reg. ID: STU61c4343e807201640248382

### 1. Loading of Dataset into Power Bi



Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply \* New Source \* Recent Sources \* Enter Data \* Data source settings \* Manage Parameters \* Refresh Preview \* Advanced Editor \* Choose Columns \* Remove Columns \* Keep Rows \* Remove Rows \* Split Column \* Group By \* Data Type: Text \* Use First Row as Headers \* Replace Values \* Merge Queries \* Append Queries \* Combine Files \* Text Analytics \* Vision \* Azure Machine Learning

Queries [1] Table.TransformColumnTypes(\*Promoted Headers\*,{("Company", type text), ("Location", type text), ("Date", type date), ("Time", type time)})

space\_missions

	Company	Location	Date	Time	Rocket	Mission
1	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	04-10-1957	19:28:00	Sputnik-BK71PS	Sputnik
2	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	03-11-1957	02:30:00	Sputnik-BK71PS	Sputnik
3	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	06-12-1957	16:44:00	Vanguard	Vang
4	AMBA	LC-26A, Cape Canaveral AFS, Florida, USA	01-02-1958	03:48:00	Juno I	Explc
5	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	05-02-1958	07:33:00	Vanguard	Vang
6	AMBA	LC-26A, Cape Canaveral AFS, Florida, USA	05-03-1958	18:27:00	Juno I	Explc
7	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	17-03-1958	12:15:00	Vanguard	Vang
8	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	26-03-1958	17:38:00	Juno I	Explc
9	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	27-04-1958	09:01:00	Sputnik BA91	Sputn
10	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	28-04-1958	02:53:00	Vanguard	Vang
11	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	15-05-1958	07:12:00	Sputnik BA91	Sputn
12	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	28-05-1958	03:46:00	Vanguard	Vang
13	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	26-06-1958	05:00:00	Vanguard	Vang
14	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	25-07-1958	null	NOTS-EV-1 Pilot II	Pilot-
15	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	26-07-1958	15:00:00	Juno I	Explc
16	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	12-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
17	US Air Force	SLC-17A, Cape Canaveral AFS, Florida, USA	17-08-1958	12:18:00	Thor-DM 18 Able I	Pione
18	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	22-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
19	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	24-08-1958	06:17:00	Juno I	Explc
20	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	25-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
21	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	26-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
22	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	29-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
23	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	23-09-1958	07:40:00	Vostok	E-1 n
24	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	26-09-1958	15:38:00	Vanguard	Vang
25	NASA	SLC-17A, Cape Canaveral AFS, Florida, USA	11-10-1958	08:42:00	Thor-DM 18 Able I	Pione
26	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	11-10-1958	21:41:00	Vostok	E-1 n
27	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	23-10-1958	03:21:00	Juno I	Beaco
28						

9 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 00:05

25°C Clear

Search

ENG IN 09-03-2024

Query Settings

PROPERTIES

Name

space\_missions

APPLIED STEPS

Source

Promoted Headers

Changed Type

## 2. Removing Time Coloumn

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply \* New Source \* Recent Sources \* Enter Data \* Data source settings \* Manage Parameters \* Refresh Preview \* Advanced Editor \* Choose Columns \* Remove Columns \* Keep Rows \* Remove Rows \* Split Column \* Group By \* Data Type: Time \* Use First Row as Headers \* Replace Values \* Merge Queries \* Append Queries \* Combine Files \* Text Analytics \* Vision \* Azure Machine Learning

Queries [1] Table.SelectRows(\*Changed Type\*, each true)

space\_missions

	Company	Location	Date	Time	Rocket	Mission
1	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	04-10-1957	19:28:00	Sputnik-BK71PS	Sputnik
2	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	03-11-1957	02:30:00	Sputnik-BK71PS	Sputnik
3	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	06-12-1957	16:44:00	Vanguard	Vang
4	AMBA	LC-26A, Cape Canaveral AFS, Florida, USA	01-02-1958	03:48:00	Juno I	Explc
5	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	05-02-1958	07:33:00	Vanguard	Vang
6	AMBA	LC-26A, Cape Canaveral AFS, Florida, USA	05-03-1958	18:27:00	Juno I	Explc
7	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	17-03-1958	12:15:00	Vanguard	Vang
8	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	26-03-1958	17:38:00	Juno I	Explc
9	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	27-04-1958	09:01:00	Sputnik BA91	Sputn
10	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	28-04-1958	02:53:00	Vanguard	Vang
11	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	15-05-1958	07:12:00	Sputnik BA91	Sputn
12	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	28-05-1958	03:46:00	Vanguard	Vang
13	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	26-06-1958	05:00:00	Vanguard	Vang
14	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	25-07-1958	null	NOTS-EV-1 Pilot II	Pilot-
15	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	26-07-1958	15:00:00	Juno I	Explc
16	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	12-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
17	US Air Force	SLC-17A, Cape Canaveral AFS, Florida, USA	17-08-1958	12:18:00	Thor-DM 18 Able I	Pione
18	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	22-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
19	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	24-08-1958	06:17:00	Juno I	Explc
20	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	25-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
21	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	26-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
22	US Navy	Douglas F4D Skyray, Naval Air Station Point Mugu, California, USA	29-08-1958	null	NOTS-EV-1 Pilot II	Pilot-
23	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	23-09-1958	07:40:00	Vostok	E-1 n
24	US Navy	LC-18A, Cape Canaveral AFS, Florida, USA	26-09-1958	15:38:00	Vanguard	Vang
25	NASA	SLC-17A, Cape Canaveral AFS, Florida, USA	11-10-1958	08:42:00	Thor-DM 18 Able I	Pione
26	RVSN USSR	Site 1/5, Baikonur Cosmodrome, Kazakhstan	11-10-1958	21:41:00	Vostok	E-1 n
27	AMBA	LC-5, Cape Canaveral AFS, Florida, USA	23-10-1958	03:21:00	Juno I	Beaco
28						

9 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 00:20

25°C Clear

Search

ENG IN 09-03-2024

Query Settings

PROPERTIES

Name

space\_missions

APPLIED STEPS

Source

Promoted Headers

Changed Type

Filtered Rows

### 3. Removing Blank Values

The screenshot shows the Power Query Editor interface. The 'Table.RemoveColumns' dialog box is open, displaying a list of columns to be removed. The 'Price' column is selected. The dialog box includes a search bar, a list of columns, and a 'Remove Empty' button. The 'Price' column is highlighted in the list, and the 'Remove Empty' button is visible.

Date	Rocket	Mission	RocketStatus	Price	MissionStatus
04-10-1957	Sputnik 8K71PS	Sputnik-1	Success		Success
03-11-1957	Sputnik 8K71PS	Sputnik-2	Success		Success
06-12-1957	Vanguard	Vanguard TV3	Failure		Failure
01-02-1958	Juno I	Explorer 1	Success		Success
05-02-1958	Vanguard	Vanguard TV3BU	Failure		Failure
05-03-1958	Juno I	Explorer 2	Failure		Failure
17-03-1958	Vanguard	Vanguard 1	Success		Success
26-03-1958	Juno I	Explorer 3	Success		Success
27-04-1958	Sputnik 8A91	Sputnik-3 #1	Failure		Failure
28-04-1958	Vanguard	Vanguard TV5	Failure		Failure
15-05-1958	Sputnik 8A91	Sputnik-3 #2	Success		Success
28-05-1958	Vanguard	Vanguard SLV-1	Failure		Failure
26-06-1958	Vanguard	Vanguard SLV-2	Retired		Failure
25-07-1958	NOTS-EV-1 Pilot II	Pilot-1 (D1)	Failure		Failure
26-07-1958	Juno I	Explorer 4	Success		Success
12-08-1958	NOTS-EV-1 Pilot II	Pilot-2 (D2)	Failure		Failure
17-08-1958	Thor-DM 18 Able I	Pioneer 0	Failure		Failure
22-08-1958	NOTS-EV-1 Pilot II	Pilot-3 (D3)	Retired		Failure
24-08-1958	Juno I	Explorer 5	Retired		Failure
25-08-1958	NOTS-EV-1 Pilot II	Pilot-4 (R1)	Retired		Failure
26-08-1958	NOTS-EV-1 Pilot II	Pilot-5 (R2)	Retired		Failure

### 4. Converting Millions to Lakhs in Price Column

The screenshot shows the Power Query Editor interface. The 'Table.TransformColumns' dialog box is open, displaying a list of columns to be transformed. The 'Price' column is selected. The dialog box includes a search bar, a list of columns, and a 'Multiply' button. The 'Price' column is highlighted in the list, and the 'Multiply' button is visible.

Date	Rocket	Mission	RocketStatus	Price	MissionStatus
04-10-1957	Sputnik 8K71PS	Sputnik-1	Success		Success
03-11-1957	Sputnik 8K71PS	Sputnik-2	Success		Success
06-12-1957	Vanguard	Vanguard TV3	Failure		Failure
01-02-1958	Juno I	Explorer 1	Success		Success
05-02-1958	Vanguard	Vanguard TV3BU	Failure		Failure
05-03-1958	Juno I	Explorer 2	Failure		Failure
17-03-1958	Vanguard	Vanguard 1	Success		Success
26-03-1958	Juno I	Explorer 3	Success		Success
27-04-1958	Sputnik 8A91	Sputnik-3 #1	Failure		Failure
28-04-1958	Vanguard	Vanguard TV5	Failure		Failure
15-05-1958	Sputnik 8A91	Sputnik-3 #2	Success		Success
28-05-1958	Vanguard	Vanguard SLV-1	Failure		Failure
26-06-1958	Vanguard	Vanguard SLV-2	Retired		Failure
25-07-1958	NOTS-EV-1 Pilot II	Pilot-1 (D1)	Failure		Failure
26-07-1958	Juno I	Explorer 4	Success		Success
12-08-1958	NOTS-EV-1 Pilot II	Pilot-2 (D2)	Failure		Failure
17-08-1958	Thor-DM 18 Able I	Pioneer 0	Failure		Failure
22-08-1958	NOTS-EV-1 Pilot II	Pilot-3 (D3)	Retired		Failure
24-08-1958	Juno I	Explorer 5	Retired		Failure
25-08-1958	NOTS-EV-1 Pilot II	Pilot-4 (R1)	Retired		Failure
26-08-1958	NOTS-EV-1 Pilot II	Pilot-5 (R2)	Retired		Failure

## 5. Converting Dollars to Rupees in Price Column

The screenshot shows the Power Query Editor interface. The 'Queries' pane on the left lists 'space\_missions'. The main area displays a table with columns: Date, Rocket, Mission, RocketStatus, Price, and MissionStatus. A 'Multiply' dialog box is open over the 'Price' column, prompting the user to 'Enter a number by which to multiply each value in the column.' The 'Value' field contains '86'. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list, which includes 'Multiplied Column'.

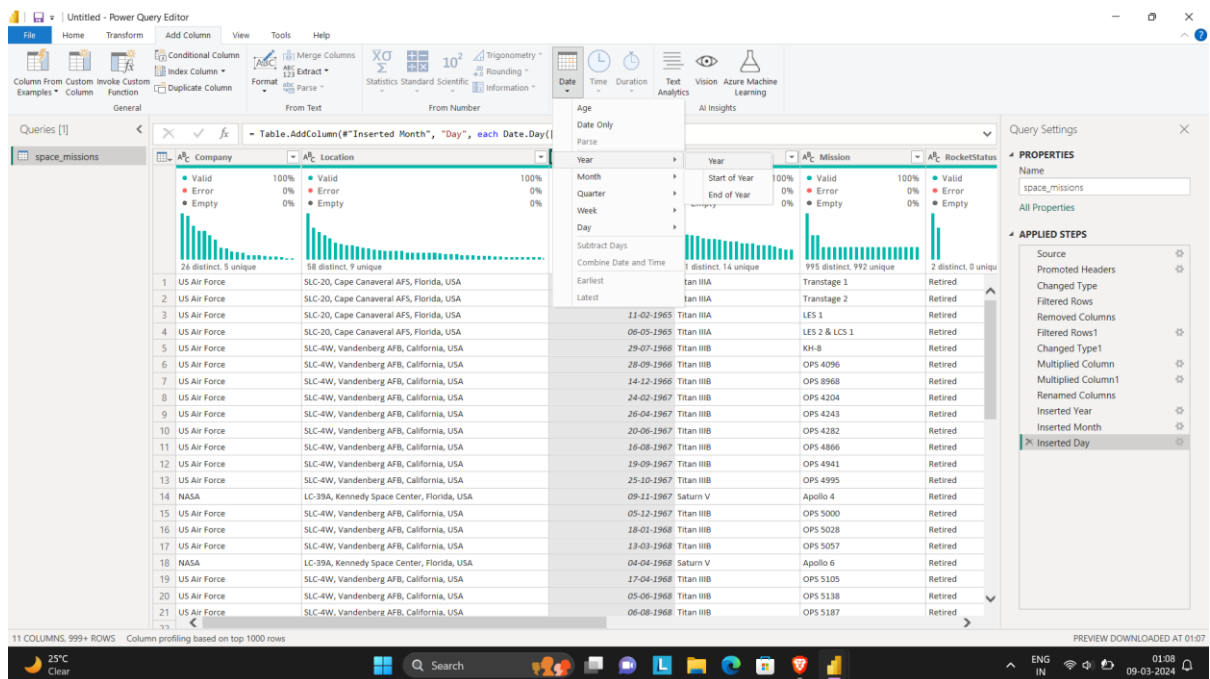
Date	Rocket	Mission	RocketStatus	Price	MissionStatus
01-09-1964	Titan IIA	Transstage 1	Retired	5,43,77,80,000.00	Failure
10-12-1964	Titan IIA	Transstage 2	Retired	5,43,77,80,000.00	Success
11-02-1965	Titan IIA	LES 1	Retired	5,43,77,80,000.00	Success
06-05-1965	Titan IIA	LES 2 & LCS 1	Retired	5,43,77,80,000.00	Success
29-07-1966	Titan IIB	KH-8	Retired	5,07,40,00,000.00	Success
28-09-1966	Titan IIB	OPS 4096	Retired	5,07,40,00,000.00	Success
14-12-1966	Titan IIB	OPS 8968	Retired	5,07,40,00,000.00	Success
24-02-1967	Titan IIB	OPS 4204	Retired	5,07,40,00,000.00	Success
26-04-1967	Titan IIB	OPS 4243	Retired	5,07,40,00,000.00	Failure
20-06-1967	Titan IIB	OPS 4282	Retired	5,07,40,00,000.00	Partial Failure
16-08-1967	Titan IIB	OPS 4866	Retired	5,07,40,00,000.00	Success
19-09-1967	Titan IIB	OPS 4941	Retired	5,07,40,00,000.00	Success
25-10-1967	Titan IIB	OPS 4995	Retired	5,07,40,00,000.00	Success
09-11-1967	Saturn V	Apollo 4	Retired	99,76,00,00,000.00	Success
05-12-1967	Titan IIB	OPS 5000	Retired	5,07,40,00,000.00	Success
18-01-1968	Titan IIB	OPS 5028	Retired	5,07,40,00,000.00	Success
13-03-1968	Titan IIB	OPS 5057	Retired	5,07,40,00,000.00	Success
04-04-1968	Saturn V	Apollo 6	Retired	99,76,00,00,000.00	Partial Failure
17-04-1968	Titan IIB	OPS 5105	Retired	5,07,40,00,000.00	Success
05-06-1968	Titan IIB	OPS 5138	Retired	5,07,40,00,000.00	Success
06-08-1968	Titan IIB	OPS 5187	Retired	5,07,40,00,000.00	Success

## 6. Changed Price Column Name to Budget

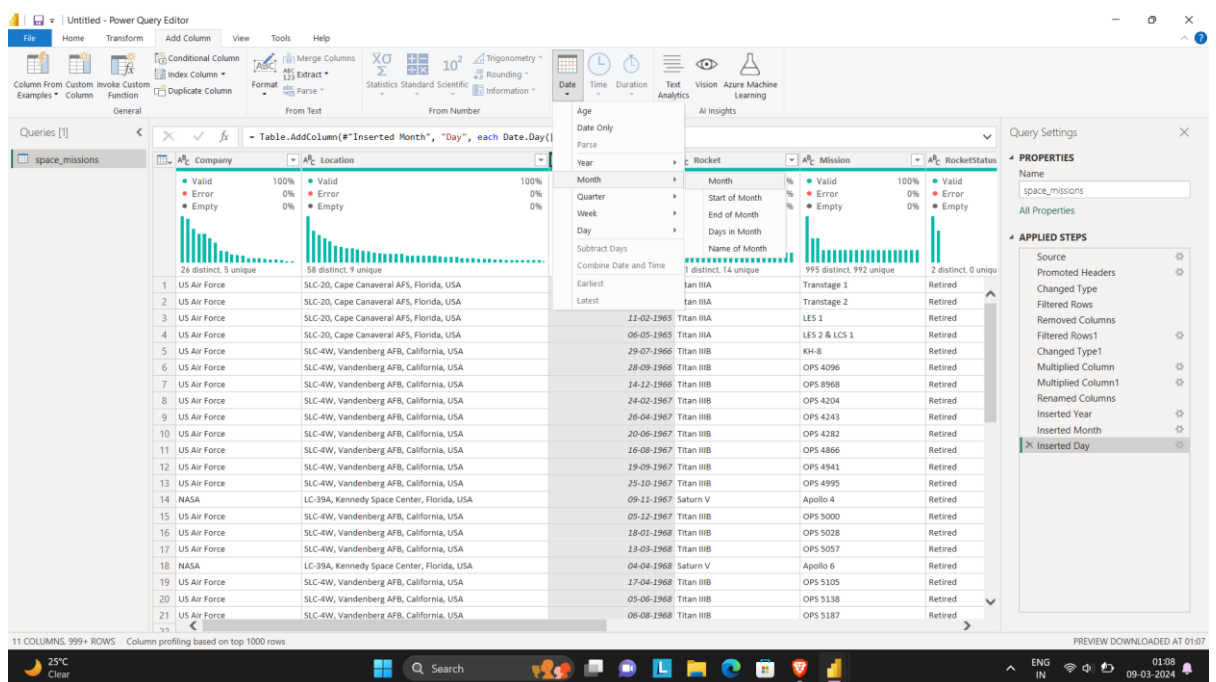
The screenshot shows the Power Query Editor interface after the 'Price' column has been renamed to 'Budget'. The 'APPLIED STEPS' list in the 'Query Settings' pane now includes 'Multiplied Column1'. The table data is the same as in the previous screenshot, but the column header for the price values is now 'Budget'.

Date	Rocket	Mission	RocketStatus	Budget	MissionStatus
01-09-1964	Titan IIA	Transstage 1	Retired	5,43,77,80,000.00	Failure
10-12-1964	Titan IIA	Transstage 2	Retired	5,43,77,80,000.00	Success
11-02-1965	Titan IIA	LES 1	Retired	5,43,77,80,000.00	Success
06-05-1965	Titan IIA	LES 2 & LCS 1	Retired	5,43,77,80,000.00	Success
29-07-1966	Titan IIB	KH-8	Retired	5,07,40,00,000.00	Success
28-09-1966	Titan IIB	OPS 4096	Retired	5,07,40,00,000.00	Success
14-12-1966	Titan IIB	OPS 8968	Retired	5,07,40,00,000.00	Success
24-02-1967	Titan IIB	OPS 4204	Retired	5,07,40,00,000.00	Success
26-04-1967	Titan IIB	OPS 4243	Retired	5,07,40,00,000.00	Failure
20-06-1967	Titan IIB	OPS 4282	Retired	5,07,40,00,000.00	Partial Failure
16-08-1967	Titan IIB	OPS 4866	Retired	5,07,40,00,000.00	Success
19-09-1967	Titan IIB	OPS 4941	Retired	5,07,40,00,000.00	Success
25-10-1967	Titan IIB	OPS 4995	Retired	5,07,40,00,000.00	Success
09-11-1967	Saturn V	Apollo 4	Retired	99,76,00,00,000.00	Success
05-12-1967	Titan IIB	OPS 5000	Retired	5,07,40,00,000.00	Success
18-01-1968	Titan IIB	OPS 5028	Retired	5,07,40,00,000.00	Success
13-03-1968	Titan IIB	OPS 5057	Retired	5,07,40,00,000.00	Success
04-04-1968	Saturn V	Apollo 6	Retired	99,76,00,00,000.00	Partial Failure
17-04-1968	Titan IIB	OPS 5105	Retired	5,07,40,00,000.00	Success
05-06-1968	Titan IIB	OPS 5138	Retired	5,07,40,00,000.00	Success
06-08-1968	Titan IIB	OPS 5187	Retired	5,07,40,00,000.00	Success

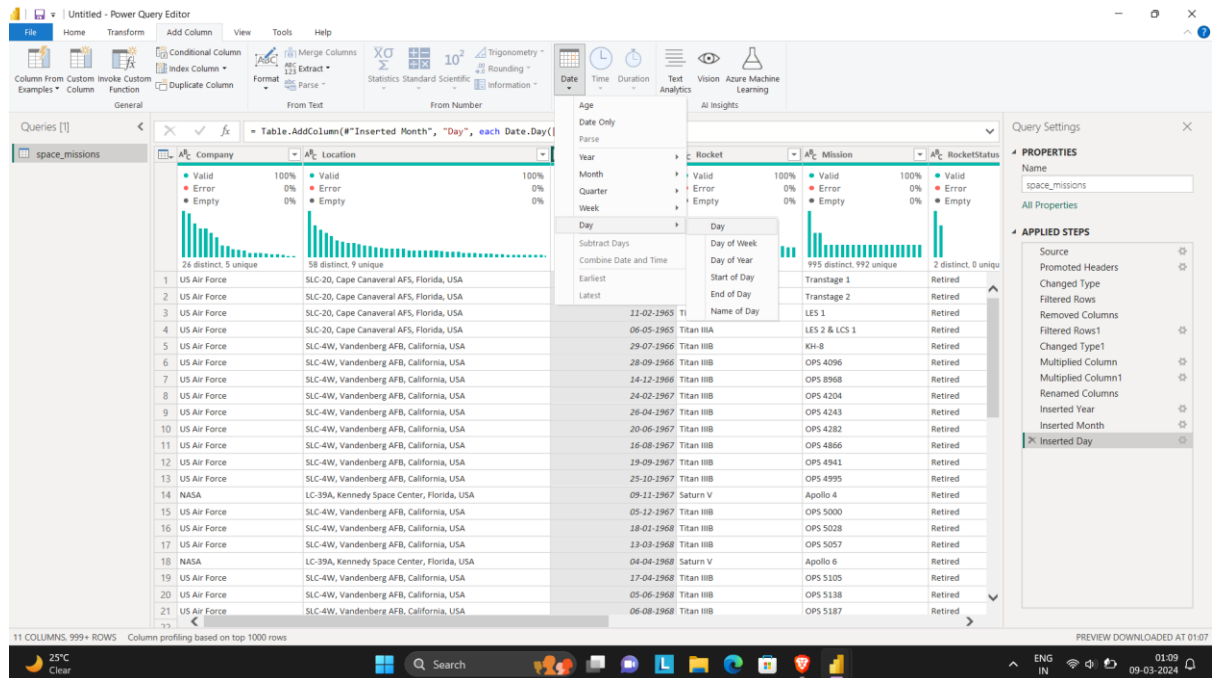
## 7. Separating Year Column from Date



## 8. Separating Month Column from Date



## 9. Separating Day Column from Date



## 10. Visual and Sum of Budget

