

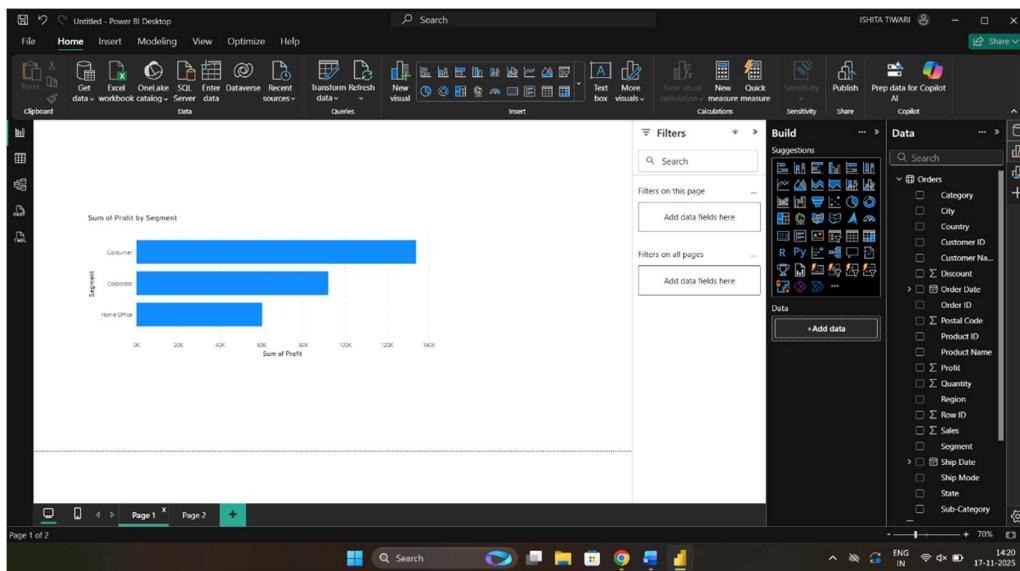
Name- Ishita Tiwari

Section – K23HP

CA1

Q1

1.



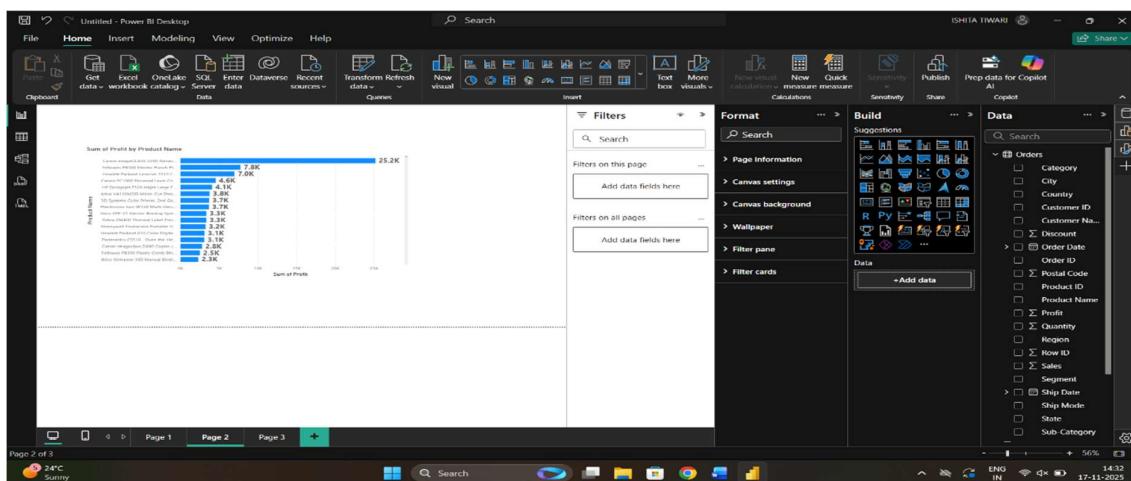
customer segment provides the highest total profit-

Consumer

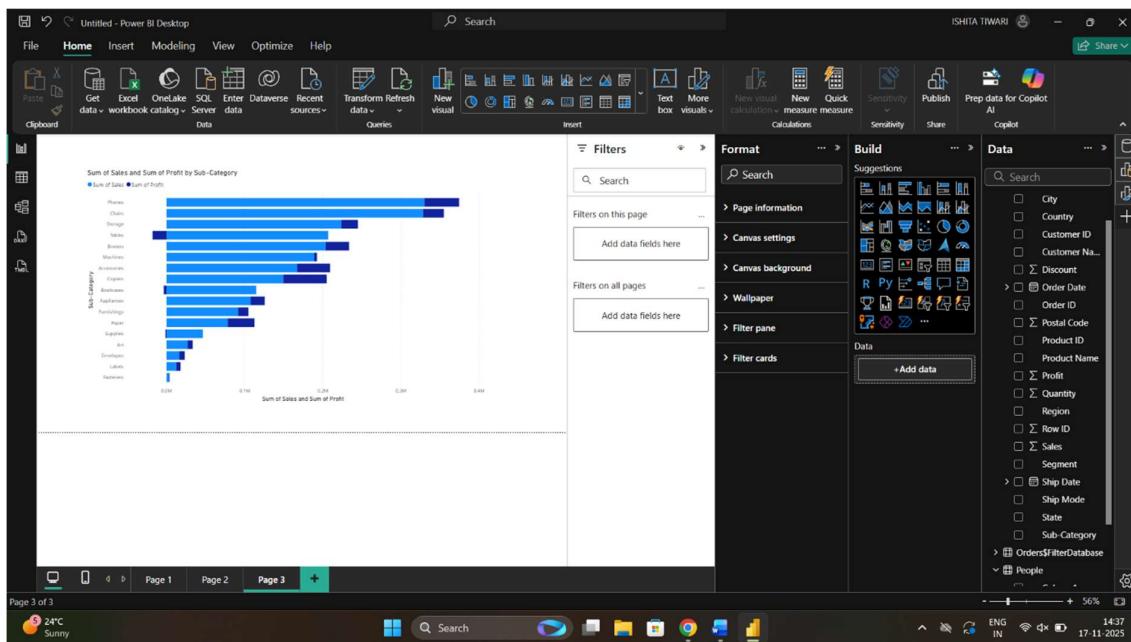
customer segment provides the lowest total profit-

Home Office

2.



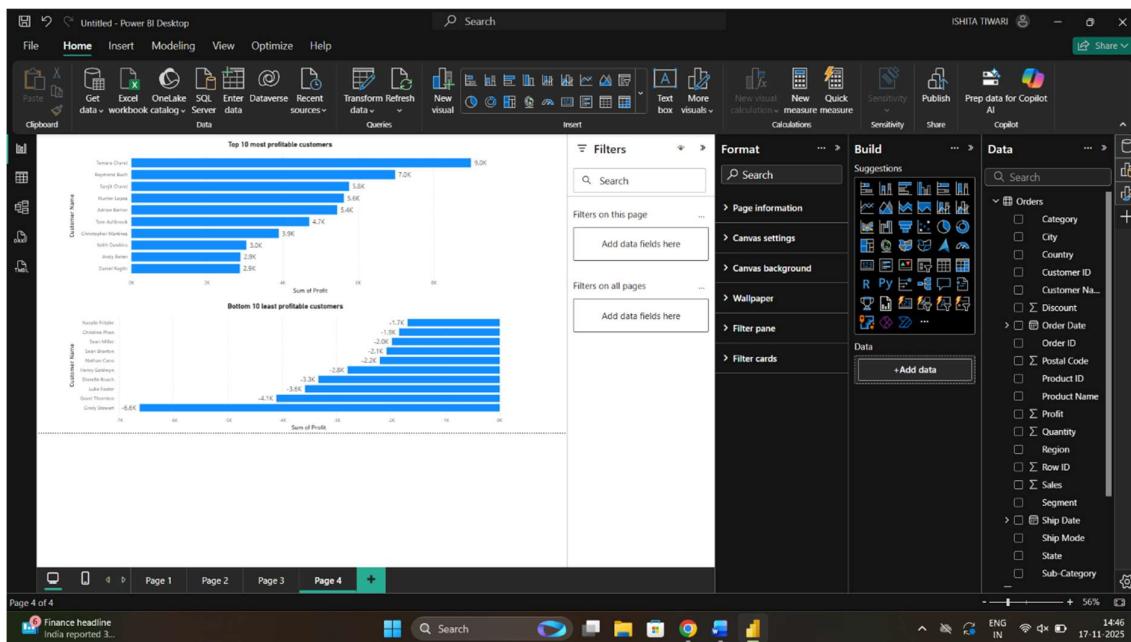
3.



product sub-categories generate high sales but low profit (or loss)-

Tables, Bookcases, Supplies

4.



5.

Untitled - Power BI Desktop

File Home Insert Modeling View Optimize Help

Clipboard Data Queries Insert Calculations Build Data

Get data from Excel OneLake SQL Enter Data Sources Transform Refresh New visual

Share

Search

Filters

Format

Build

Data

Calculated fields

Sensitivity

Published

Prep data for Copilot AI

Share

Copilot

Sum of Profit by Region

Region Sum of Profit

West 10K

East 8K

South 47K

Central 40K

Page 5 of 5

Trending videos Stranger Things...

Page 1 Page 2 Page 3 Page 4 Page 5 +

14:48 17-11-2025

Q2:

1.

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Close & Apply Close New Source Recent Sources Data Data source settings Data Sources Manage Parameters Refresh Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Reduce Rows Sort Split Column Group By Use First Row as Headers Transform Data Type: Whole Number Merge Queries Append Queries Combine Files Combine

Queries [1]

StudentsPerformance (2)

	gender	race_ethnicity	parental_level_of_education	lunch	test_preparation_course	math_score
1	male	group B	bachelor's degree	standard	none	72
2	male	group C	some college	standard	completed	69
3	female	group B	master's degree	standard	none	90
4	male	group A	associates degree	free/reduced	none	47
5	male	group C	some college	standard	none	76
6	male	group B	associates degree	standard	none	71
7	male	group B	some college	standard	completed	88
8	male	group B	some college	free/reduced	none	40
9	male	group D	high school	free/reduced	completed	64
10	male	group B	high school	free/reduced	none	38
11	male	group C	associates degree	standard	none	58
12	male	group D	associates degree	standard	none	40
13	male	group B	high school	standard	none	65
14	male	group A	some college	standard	completed	78
15	male	group A	master's degree	standard	none	50
16	male	group C	some high school	standard	none	69
17	male	group C	high school	standard	none	88
18	male	group B	some high school	free/reduced	none	18
19	male	group C	master's degree	free/reduced	completed	46
20	male	group C	associates degree	free/reduced	none	54
21	male	group D	high school	standard	none	66
22	male	group B	some college	free/reduced	completed	65
23	male	group D	some college	standard	none	44
24	male	group C	some high school	standard	none	69
25	male	group D	bachelor's degree	free/reduced	completed	74
26	male	group A	master's degree	free/reduced	none	77

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

24°C Sunny

Query Settings

Properties Name StudentsPerformance (2) All Properties

Applied Steps

Source Navigation Promoted Headers Changed Type Renamed Columns

PREVIEW DOWNLOADED AT 14:51

14:53 17-11-2025

2.

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Column From Examples Column Invoke Custom Function General Format Extract Parse General Statistics Standard Scientific Information From Number From Date & Time

Queries [1] fx = Table.AddColumn(#"Renamed Columns", "total_score", each [math_score]+[reading score]+[writing score])

StudentsPerformance (2)

	lunch	test_preparation_course	math score	reading score	writing score	total score
1	standard	none	72	77	74	218
2	standard	completed	69	90	88	247
3	standard	none	90	95	93	278
4	free/reduced	none	47	57	44	148
5	standard	none	76	78	75	229
6	standard	none	71	83	78	232
7	standard	completed	88	95	92	275
8	free/reduced	none	40	43	39	122
9	free/reduced	completed	64	64	67	195
10	free/reduced	none	38	60	50	148
11	standard	none	58	54	52	164
12	standard	none	40	52	43	135
13	standard	none	65	81	73	219
14	standard	completed	78	72	70	220
15	standard	none	50	53	58	161
16	standard	none	69	75	78	222
17	standard	none	88	89	86	263
18	free/reduced	none	18	32	28	78
19	free/reduced	completed	46	42	46	134
20	free/reduced	none	54	58	62	173
21	standard	none	66	69	63	198
22	free/reduced	completed	65	75	70	210
23	standard	none	44	54	53	151
24	standard	none	69	73	73	215
25	free/reduced	completed	74	71	80	225
26	free/reduced	none	72	74	71	218

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

Query Settings

Properties Name: StudentsPerformance (2) All Properties

Applied Steps Source Navigation Promoted Headers Changed Type Renamed Columns Added Custom

PREVIEW DOWNLOADED AT 1451 1456 IN 17-11-2025

3.

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Column From Examples Column Invoke Custom Function General Format Extract Parse General Statistics Standard Scientific Information From Number From Date & Time

Queries [1] fx = Table.AddColumn(#"Added Custom", "average_score", each [total_score]/3)

StudentsPerformance (2)

	lunch	test_preparation_course	math score	reading score	writing score	total score	average score
1	none	none	72	72	74	218	72.66666667
2	completed	completed	69	90	88	247	82.33333333
3	none	none	90	95	93	278	92.66666667
4	none	none	47	57	44	148	49.33333333
5	none	none	76	78	75	229	76.33333333
6	none	none	71	83	78	232	77.33333333
7	completed	completed	88	95	92	275	91.66666667
8	none	none	40	43	39	122	40.66666667
9	completed	completed	64	64	67	195	65
10	none	none	38	60	50	148	49.33333333
11	none	none	58	54	52	164	54.66666667
12	none	none	40	52	43	135	45
13	none	none	65	81	73	219	73
14	completed	completed	78	72	70	220	73.33333333
15	none	none	50	53	58	161	53.66666667
16	none	none	69	75	78	222	74
17	none	none	88	89	86	263	87.66666667
18	none	none	18	32	28	78	26
19	completed	completed	46	42	46	134	44.66666667
20	none	none	54	58	61	173	57.66666667
21	none	none	66	69	63	198	66
22	completed	completed	65	75	70	210	70
23	none	none	44	54	53	151	50.33333333
24	none	none	69	73	73	215	71.66666667
25	completed	completed	74	71	80	225	75
26	free/reduced	none	72	74	71	218	72.66666667

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

Query Settings

Properties Name: StudentsPerformance (2) All Properties

Applied Steps Source Navigation Promoted Headers Changed Type Renamed Columns Added Custom Added Custom1

PREVIEW DOWNLOADED AT 1451 1457 IN 17-11-2025

4.

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Column From Examples Custom Invoke Custom Function General Format Extract Parse General Statistics Standard Scientific Information Date Time Duration From Number From Date & Time

Queries [1] fx = Table.AddColumn(#"Added Custom1", "result", each if [average_score]>=50 then "Pass"

StudentsPerformance (2)

	course	math score	reading score	writing score	total score	average score	result
1		72	72	74	218	72.66666667	Pass
2		69	90	88	247	82.33333333	Pass
3		90	95	93	278	92.66666667	Pass
4		47	57	44	148	49.33333333	Fall
5		76	78	75	229	76.33333333	Pass
6		71	83	78	232	77.33333333	Pass
7		88	95	92	275	91.66666667	Pass
8		40	43	39	122	40.66666667	Fall
9		64	64	67	195	65	Pass
10		38	60	50	148	49.33333333	Fall
11		58	54	52	164	54.66666667	Pass
12		40	52	43	135	45	Fall
13		65	81	73	219	73	Pass
14		78	72	70	220	73.33333333	Pass
15		50	53	58	161	53.66666667	Pass
16		69	75	78	222	74	Pass
17		88	89	86	263	87.66666667	Pass
18		32	28	28	78	26	Fall
19		46	42	46	134	44.66666667	Fall
20		54	58	61	173	57.66666667	Pass
21		66	69	63	198	66	Pass
22		65	75	70	210	70	Pass
23		44	54	53	151	50.33333333	Pass
24		69	73	73	215	71.66666667	Pass
25		74	71	80	225	75	Pass
26		72	72	72	219	72	Pass

11 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 14:51

24°C Sunny

Search ENG IN 14:59 17-11-2025

5.

Untitled - Power Query Editor

Home Transform Add Column View Tools Help

Group Use First Row By As Headers Count Rows Transpose Reverse Rows Detect Data Type Fill Pivot Column Convert to List Any Column Data Type Text~ Replace Values Unpivot Columns Move Split Column Extract Parse Convert to List Test Column Number Column Date Time Duration Date & Time Column R Py Run R script Run Python script Scripts

Queries [1] fx = Table.TransformColumns(#"Added Custom2", {"parental_level_of_education", Text.Proper, type text})

StudentsPerformance (2)

	index	race ethnicity	parental_level_of_education	lunch	test_preparation_course	math score	result
1		group B	Bachelor's Degree	standard	none	72	
2		group C	Some College	standard	completed	69	
3		group B	Master's Degree	standard	none	90	
4		group A	Associate's Degree	free/reduced	none	47	
5		group C	Some College	standard	none	76	
6		group B	Associate's Degree	standard	none	71	
7		group B	Some College	standard	completed	88	
8		group B	Some College	free/reduced	none	40	
9		group D	High School	free/reduced	completed	64	
10		group B	High School	free/reduced	none	38	
11		group C	Associate's Degree	standard	none	58	
12		group D	Associate's Degree	standard	none	40	
13		group B	High School	standard	none	65	
14		group A	Some College	standard	completed	78	
15		group A	Master's Degree	standard	none	50	
16		group C	Some High School	standard	none	69	
17		group C	High School	standard	none	88	
18		group B	Some High School	free/reduced	none	18	
19		group C	Master's Degree	free/reduced	completed	46	
20		group D	Associate's Degree	free/reduced	none	54	
21		group D	High School	standard	none	66	
22		group B	Some College	free/reduced	completed	65	
23		group D	Some College	standard	none	44	
24		group C	Some High School	standard	none	69	
25		group D	Bachelor's Degree	free/reduced	completed	74	
26		group A	Master's Degree	free/reduced	none	72	

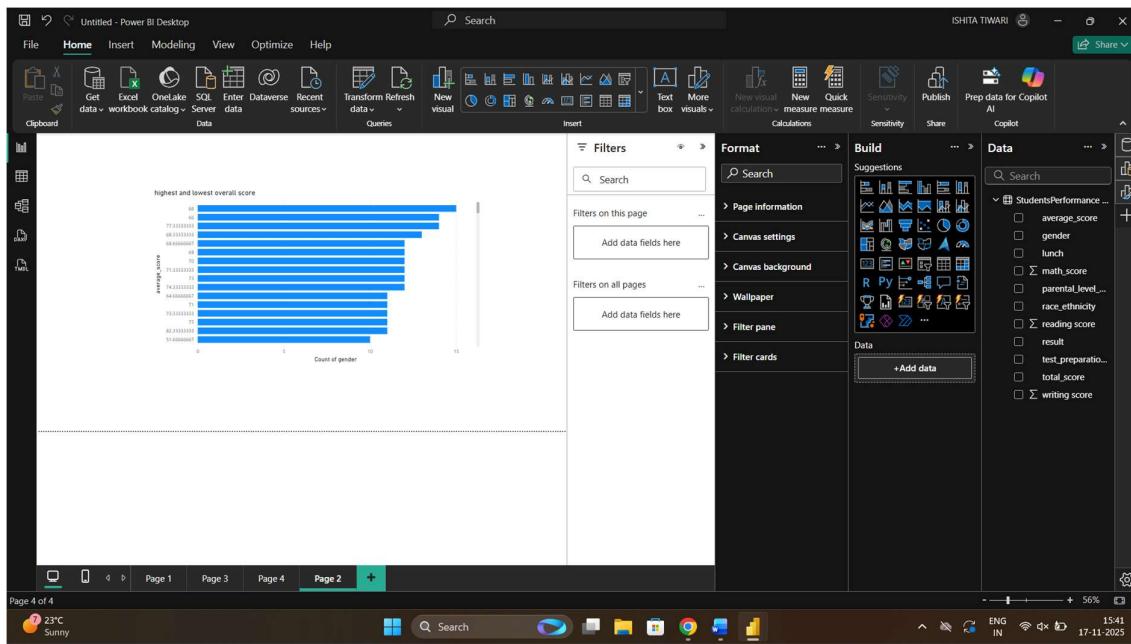
11 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 14:51

24°C Sunny

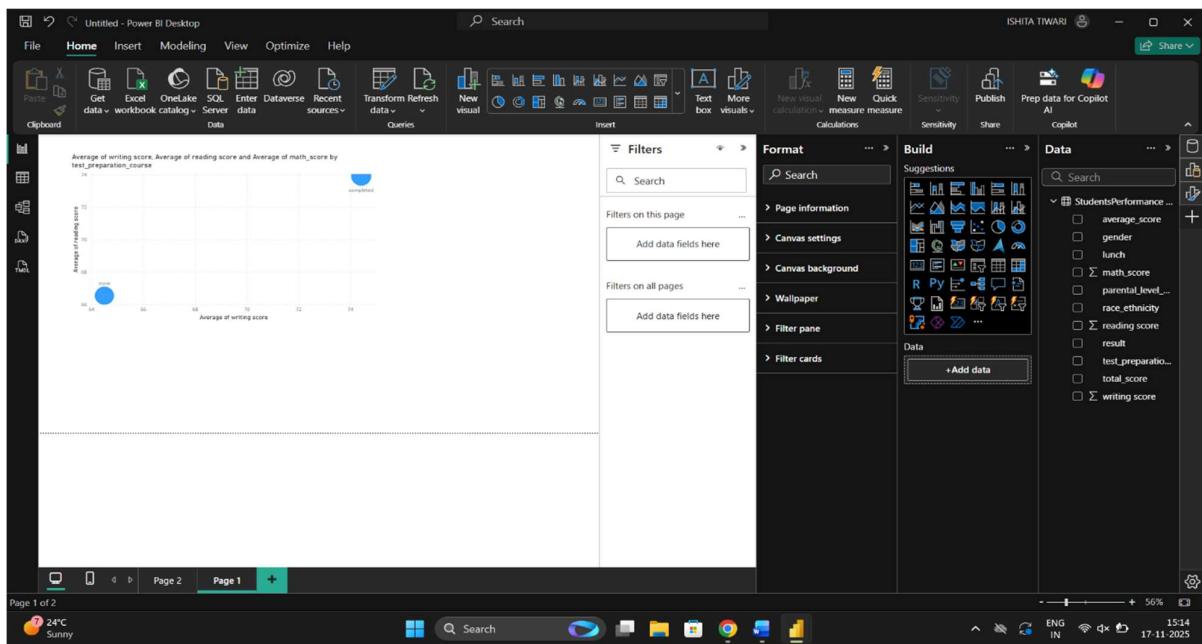
Search ENG IN 15:01 17-11-2025

Q3:

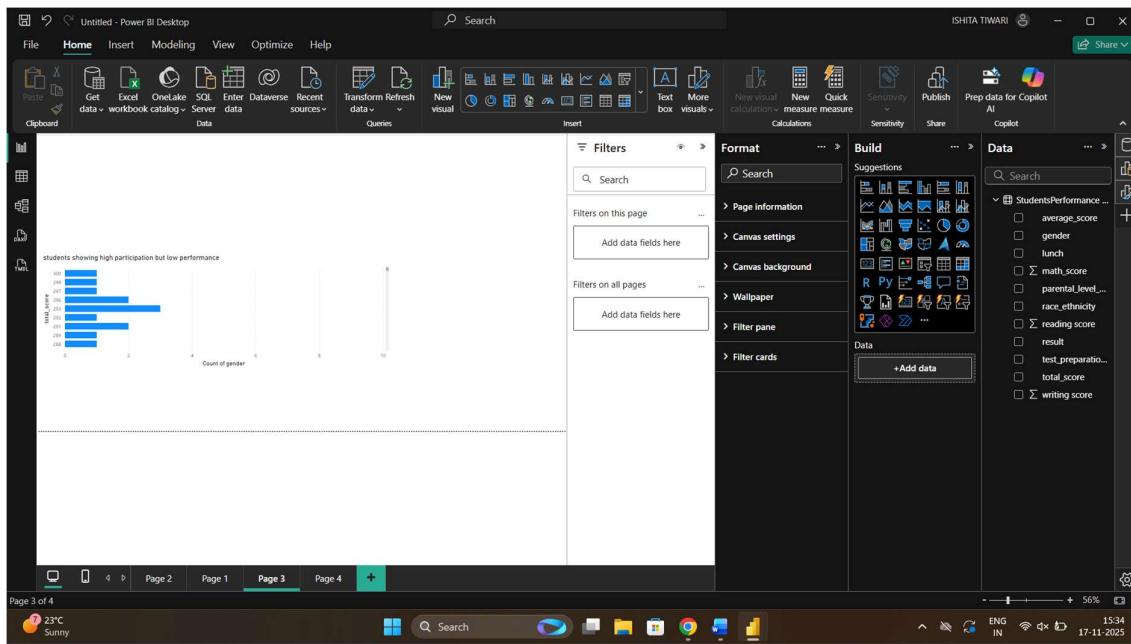
1.



2.



3.



4.

