

- Create a new Power BI report, and load in the data
 - Some columns have been renamed, while each person's wealth (in billions of dollars) has been extracted
1. Replace the word billion with an empty string.

Table: TransformColumnTypes(*Promoted Headers*, ("rank", Int64.Type), ("name", type text), ("net_worth", type text), ("bday", type text))

rank	name	net_worth	bday	age	nationality
1	Elon Musk	\$240 Billion	28-06-1971	51	South Africa
2	Jeff Bezos	\$150 Billion	12-01-1964	58	United States of America
3	Gautam Adani	\$118 Billion	24-06-1962	60	India
4	Bernard Arnault	\$115 Billion	09-09-2049	73	France
5	Bill Gates	\$111 Billion	28-10-1955	66	United States of America
6	Warren Buffett	\$101 Billion	30-08-2090	32	United States of America
7	Larry Page	\$100 Billion	26-03-1973	49	United States of America
8	Sergey Brin	\$96 Billion	21-08-1973	48	United States of America
9	Steve Ballmer	\$94 Billion	24-03-1956	66	United States of America
10	Larry Ellison	\$93 Billion	17-08-2044	78	United States of America
11	Alain & Gerard Wertheimer	\$90 Billion	null	null	France
12	Mukesh Ambani	\$89 Billion	19-04-1957	65	India
13	Carlos Slim Helu	\$73 Billion	28-01-2040	82	Mexico
14	Vladimir Putin	\$70 Billion	07-10-1952	69	Russia
15	Francoise Bettencourt Meyers	\$70 Billion	10-07-1953	69	France
16	Amancio Ortega Gaona	\$70 Billion	28-01-2080	80	Spain
17	Michael Bloomberg	\$70 Billion	14-02-2042	80	United States of America
18	Mark Zuckerberg	\$70 Billion	14-05-1984	38	United States of America
19	Rob Walton	\$68 Billion	28-10-2044	77	United States of America
20	Jim Walton	\$68 Billion	07-06-2048	74	United States of America
21	Zhong Shanchan	\$68 Billion	null	null	China
22	Alice Walton	\$66 Billion	07-10-2049	72	United States of America
23	Julia Flesher Koch	\$62 Billion	12-04-1962	60	United States of America
24	Charles Koch	\$60 Billion	01-11-2035	86	United States of America
25	Michael Dell	\$52 Billion	29-02-1963	57	United States of America
26	Francois Pinault	\$50 Billion	21-08-2036	86	France

- Transform>Replace Values

Replace Values

Replace one value with another in the selected columns.

Value To Find: Billion

Replace With:

OK Cancel

- After Replacing

Assignment_3

File Home Transform Add Column View Tools Help

Group By Use First Row as Headers Count Rows

Transpose Reverse Rows

Data Type: Text Detect Data Type Rename

Replace Values Replace Unpivot Columns Move

Pivot Column Convert to List

Any Column

Split Columns

Format Columns

Extract Parse

Merge Columns

Statistics Standard Scientific

Trigonometry Rounding Information

Date Time Duration

Run R script Run Python script

Queries [1]

top_100_richest

Table.ReplaceValue(#"Changed Type", "Billion", "", Replacer.ReplaceText, {"net_worth"})

rank	name	net_worth	birthday	age	nationality
1	Elon Musk	\$240	28-06-1971	51	South Africa
2	Jeff Bezos	\$150	12-01-1964	58	United States of America
3	Gautam Adani	\$138	24-06-1962	60	India
4	Bernard Arnault	\$135	05-09-2049	73	France
5	Bill Gates	\$118	28-10-1955	66	United States of America
6	Warren Buffett	\$101	30-08-2030	52	United States of America
7	Larry Page	\$100	26-03-1974	49	United States of America
8	Sergey Brin	\$96	21-08-1973	48	United States of America
9	Steve Ballmer	\$94	24-03-1956	66	United States of America
10	Larry Ellison	\$93	17-08-2044	78	United States of America
11	Alain & Gerard Wertheimer	\$90	null	null	France
12	Mukesh Ambani	\$89	19-04-1957	65	India
13	Carlos Slim Helu	\$72	28-01-2040	82	Mexico
14	Vladimir Putin	\$70	07-10-1952	69	Russia
15	Françoise Bettencourt-Meyers	\$70	10-07-1904	69	France
16	Amancio Ortega Gaona	\$70	28-03-2039	86	Spain
17	Michael Bloomberg	\$70	14-02-2042	80	United States of America
18	Mark Zuckerberg	\$70	14-05-1984	38	United States of America
19	Rob Walton	\$68	28-10-2044	77	United States of America
20	Jim Walton	\$68	07-06-2048	74	United States of America
21	Zhong Shanshan	\$68	null	null	China
22	Alice Walton	\$66	07-10-2049	72	United States of America
23	Julia Flesher Koch	\$62	12-04-1962	60	United States of America
24	Charles Koch	\$60	01-11-2035	86	United States of America
25	Michael Dell	\$52	23-02-1963	57	United States of America
26	François Pinault	\$50	21-08-2036	86	France
27					

6 COLUMNS, 100 ROWS Column profiling based on top 1000 rows

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2. Replace the \$ symbol with an empty string.

Assignment_3

File Home Transform Add Column View Tools Help

Group By Use First Row as Headers Count Rows

Transpose Reverse Rows

Data Type: Text Detect Data Type Rename

Replace Values Replace Unpivot Columns Move

Pivot Column Convert to List

Any Column

Split Columns

Format Columns

Extract Parse

Merge Columns

Statistics Standard Scientific

Trigonometry Rounding Information

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Run R script Run Python script

Queries [1]

top_100_richest

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27					

6 COLUMNS, 100 ROWS Column profiling based on top 1000 rows

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Replace Values

Replace one value with another in the selected columns.

Value To Find: \$

Replace With:

Advanced options

OK Cancel

- After Replace:

The screenshot shows the Power BI Desktop interface. The main view displays a table with columns: rank, name, net_worth, and birthday. The 'net_worth' column is highlighted, and the 'Data Type' dropdown menu is open, showing 'Whole Number' selected. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list with 'Replaced Value1' highlighted. The status bar at the bottom indicates '6 COLUMNS, 100 ROWS' and 'Column profiling based on top 1000 rows'.

3.Convert the resulting column to a whole number.

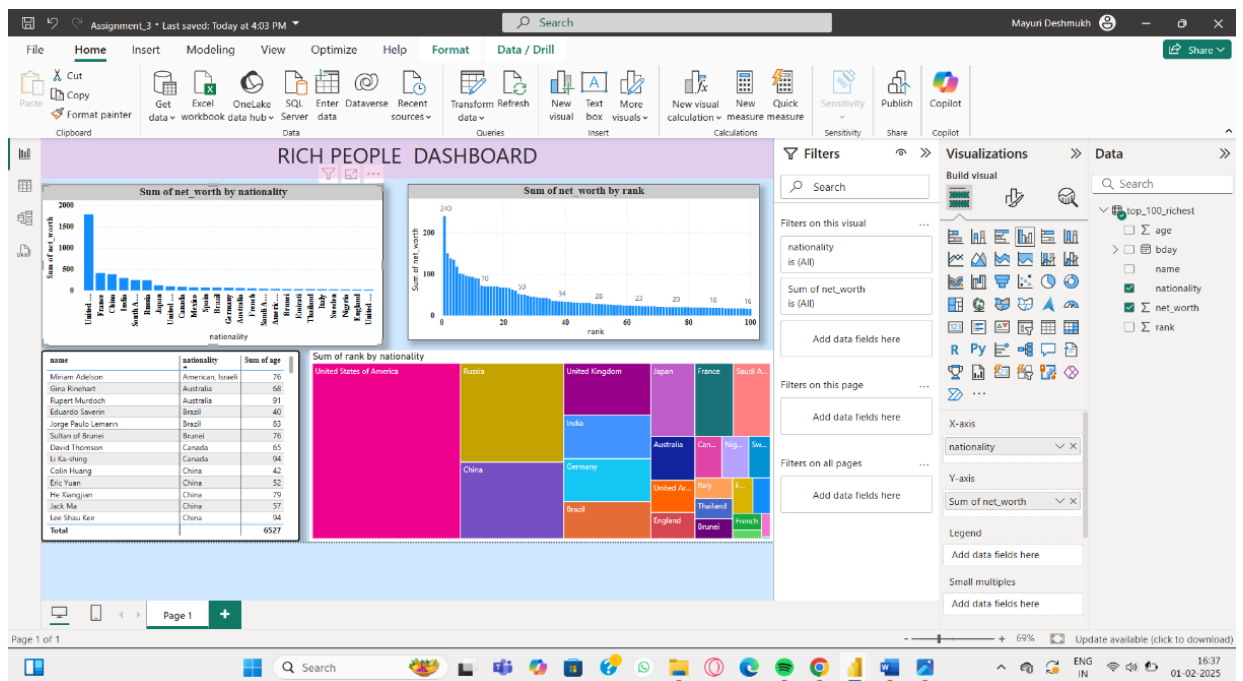
This screenshot is identical to the one above, showing the Power BI Desktop interface with the 'top_100_richest' query. The 'net_worth' column is highlighted, and the 'Data Type' dropdown menu is open, showing 'Whole Number' selected. The 'Query Settings' pane on the right shows the 'APPLIED STEPS' list with 'Replaced Value1' highlighted. The status bar at the bottom indicates '6 COLUMNS, 100 ROWS' and 'Column profiling based on top 1000 rows'.

- After Converting

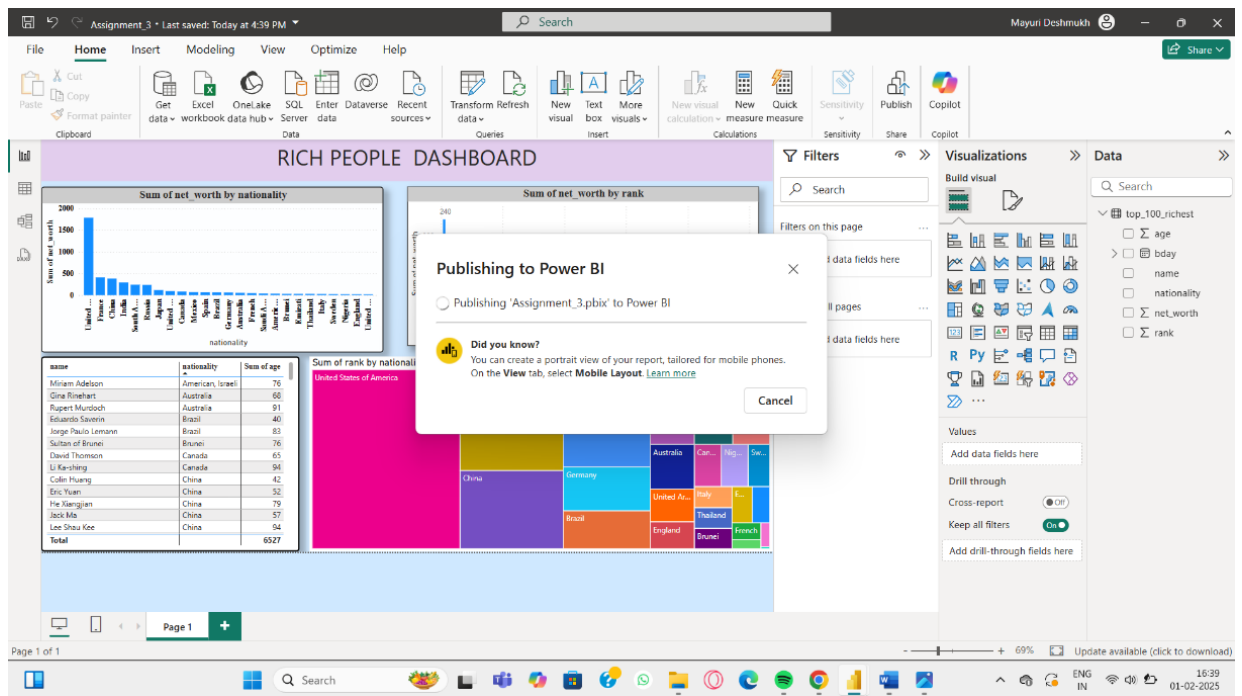
Table: TransformColumnTypes(*Replaced Value1*,{"net_worth", Int64.Type})

rank	name	net_worth	bday	age	nationality
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5	Bill Gates	118	28-10-1955	66	United States of America
6	Warren Buffett	101	30-08-2030	92	United States of America
7	Larry Page	100	26-03-1973	49	United States of America
8	Sergey Brin	96	21-08-1973	48	United States of America
9	Steve Ballmer	94	24-03-1956	66	United States of America
10	Larry Ellison	93	17-08-2044	78	United States of America
11	Alain & Gerard Wertheimer	90	null	null	France
12	Mukesh Ambani	89	19-04-1957	65	India
13	Carlos Slim Helu	72	28-01-2040	82	Mexico
14	Vladimir Putin	70	07-10-1952	69	Russia
15	Françoise Bettencourt-Meyers	70	10-07-1953	69	France
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20	Jim Walton	68	07-06-2048	74	United States of America
21	Zhong Shanshan	68	null	null	China
22	Alice Walton	66	07-10-2049	72	United States of America
23	Julia Flesher Koch	62	12-04-1962	60	United States of America
24	Charles Koch	60	01-11-2035	86	United States of America
25	Michael Dell	52	23-02-1965	57	United States of America
26	Francois Pinault	50	21-08-2036	86	France

- Create a chart just to prove that the billions really are being treated as numbers.

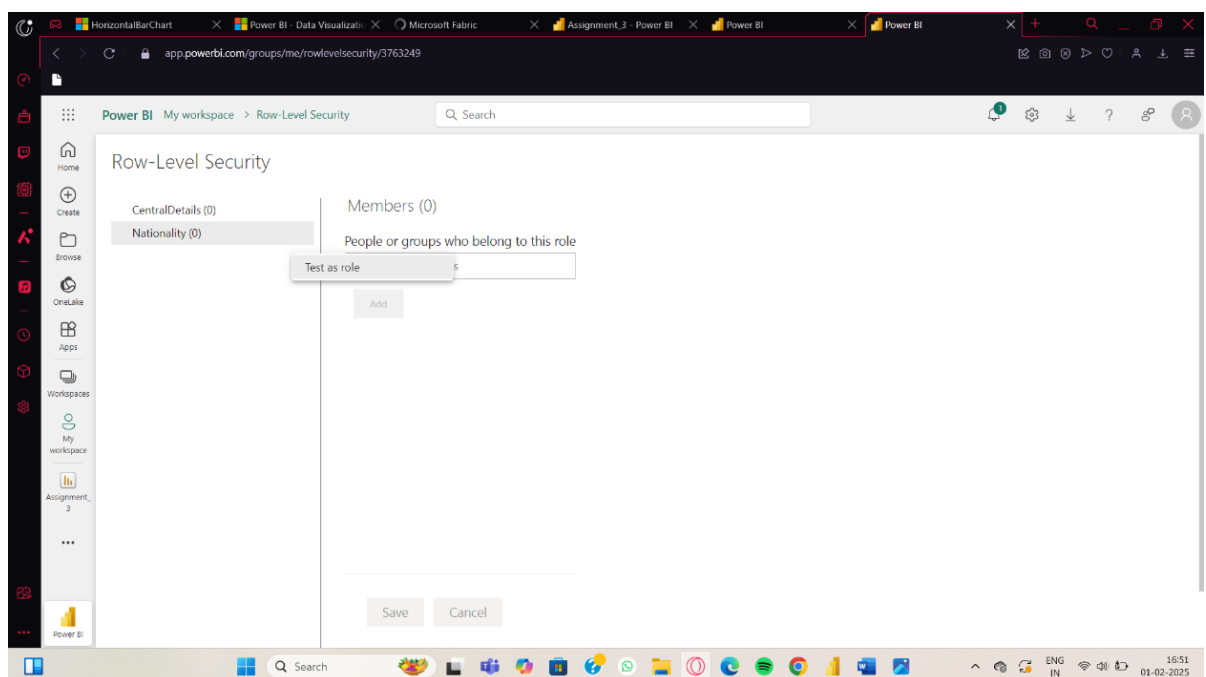


- Then publish the report



-It will go to the power bi service

-As I have created the role as nationality, here I test the role.
Workspace>semantic model>security



○ Final

