

# Assignment-1

Assignment-1-Table Transformation Assignment.mp4

File View Help

Transcript

Assignment.png

### Key Objectives

1. Create queries to connect to the two new .csv files
2. Name your queries **Product Category Lookup** and **Product Subcategory Lookup**
3. Confirm that column headers have been promoted and that all data types are correct
4. Add a new column to extract all characters before the dash ("-") in the **Product SKU** column, and name it **"SKU Type"**
5. Update the **SKU Type** calculation above to return all characters before **second** dash, instead of the first
6. Replace zeros (0) in the **Product Style** column with "NA"
7. Close and load to your data model

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply Recent Source New Query Data Sources Parameters Output Data Properties Advanced Editor Refresh Preview Manage Query Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Text Merge Queries Append Queries Combine Files Combine

Queries [3]

Product Categories... Product Lookup Product Subcategory...

Table.ReplaceValue(#Renamed Columns1,"0","NA",Replacer.ReplaceText,{"ProductStyle"})

Color	ProductSize	ProductStyle	ProductCost	ProductPrice	SKU	SKU TYPE
1	0	0	13.0863	34.99	U509-R	HL-U509
2	0	0	12.0278	33.6442	U509	HL-U509
3	M	NA	3.3963	9.5	B909-M	SO-B909
4	L	NA	3.3963	9.5	B909-L	SO-B909
5	0	0	12.0278	33.6442	U509-B	HL-U509
6	0	NA	5.7052	8.6442	1098	CA-1098
7	S	NA	31.7244	48.0673	0192-S	LI-0192
8	M	NA	31.7244	48.0673	0192-M	LI-0192
9	L	NA	31.7244	48.0673	0192-L	LI-0192
10	XL	NA	31.7244	48.0673	0192-X	LI-0192
11	62	NA	747.9682	1263.4398	R92R-62	FR-R92R
12	44	NA	747.9682	1263.4398	R92R-44	FR-R92R
13	48	NA	747.9682	1263.4398	R92R-48	FR-R92R
14	52	NA	747.9682	1263.4398	R92R-52	FR-R92R
15	56	NA	747.9682	1263.4398	R92R-56	FR-R92R
16	58	NA	176.1997	297.6346	R38B-58	FR-R38B
17	60	NA	176.1997	297.6346	R38B-60	FR-R38B
18	62	NA	176.1997	297.6346	R38B-62	FR-R38B
19	44	NA	181.4857	306.5636	R38R-44	FR-R38R
20	48	NA	181.4857	306.5636	R38R-48	FR-R38R
21	52	NA	181.4857	306.5636	R38R-52	FR-R38R
22	58	NA	181.4857	306.5636	R38R-58	FR-R38R
23	60	NA	181.4857	306.5636	R38R-60	FR-R38R
24	62	NA	181.4857	306.5636	R38R-62	FR-R38R
25	44	NA	352.1394	594.83	R72R-44	FR-R72R
26	48	NA	352.1394	594.83	R72R-48	FR-R72R
27	52	NA	352.1394	594.83	R72R-52	FR-R72R
28	58	NA	352.1394	594.83	R72R-58	FR-R72R
29	60	NA	352.1394	594.83	R72R-60	FR-R72R
30	44	NA	176.1997	297.6346	R38B-44	FR-R38B
31	48	NA	176.1997	297.6346	R38B-48	FR-R38B
32	52	NA	176.1997	297.6346	R38B-52	FR-R38B

13 COLUMNS, 293 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

Name

Product Lookup

Applied Steps

Source

Promoted Headers

Changed Type

Inserted Text After Delimiter

Renamed Columns

Inserted Text Before Delimiter

Renamed Columns1

Replaced Value

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File Home Transform Add Column View Tools Help

Close & Apply \* New Source \* Recent Sources \* Enter Data Data source settings Manage Parameters \* Export query results 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 \* Combine

Queries [3]

Product Categories... Product Lookup Product Subcategory...

Table.ReplaceValue(#Renamed Columns1,"U","NA",Replacer.ReplaceText,{"ProductStyle"})

	ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	ProductDescription
1	214	31	HL-U509-R	Sport-100 Helmet, Red	Sport-100	Universal fit, well-ventilated, lightweight, snap
2	215	31	HL-U509	Sport-100 Helmet, Black	Sport-100	Universal fit, well-ventilated, lightweight, snap
3	218	23	SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	Combination of natural and synthetic fibers
4	219	23	SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	Combination of natural and synthetic fibers
5	220	31	HL-U509-B	Sport-100 Helmet, Blue	Sport-100	Universal fit, well-ventilated, lightweight, snap
6	223	29	CA-1098	AWC Logo Cap	Cycling Cap	Traditional style with a flip-up brim; one-size
7	226	21	LJ-0192-S	Long-Sleeve Logo Jersey, S	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC logo microfibre cyc
8	229	21	LJ-0192-M	Long-Sleeve Logo Jersey, M	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC logo microfibre cyc
9	232	21	LJ-0192-L	Long-Sleeve Logo Jersey, L	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC logo microfibre cyc
10	235	21	LJ-0192-X	Long-Sleeve Logo Jersey, XL	Long-Sleeve Logo Jersey	Unisex long-sleeve AWC logo microfibre cyc
11	238	14	FR-R92R-62	HL Road Frame - Red, 62	HL Road Frame	Our lightest and best quality aluminum fran
12	241	14	FR-R92R-44	HL Road Frame - Red, 44	HL Road Frame	Our lightest and best quality aluminum fran
13	244	14	FR-R92R-48	HL Road Frame - Red, 48	HL Road Frame	Our lightest and best quality aluminum fran
14	247	14	FR-R92R-52	HL Road Frame - Red, 52	HL Road Frame	Our lightest and best quality aluminum fran
15	250	14	FR-R92R-56	HL Road Frame - Red, 56	HL Road Frame	Our lightest and best quality aluminum fran
16	253	14	FR-R38B-58	LL Road Frame - Black, 58	LL Road Frame	The LL Frame provides a safe comfortable ri
17	256	14	FR-R38B-60	LL Road Frame - Black, 60	LL Road Frame	The LL Frame provides a safe comfortable ri
18	259	14	FR-R38B-62	LL Road Frame - Black, 62	LL Road Frame	The LL Frame provides a safe comfortable ri
19	262	14	FR-R38R-44	LL Road Frame - Red, 44	LL Road Frame	The LL Frame provides a safe comfortable ri
20	264	14	FR-R38R-48	LL Road Frame - Red, 48	LL Road Frame	The LL Frame provides a safe comfortable ri
21	266	14	FR-R38R-52	LL Road Frame - Red, 52	LL Road Frame	The LL Frame provides a safe comfortable ri
22	268	14	FR-R38R-58	LL Road Frame - Red, 58	LL Road Frame	The LL Frame provides a safe comfortable ri
23	270	14	FR-R38R-60	LL Road Frame - Red, 60	LL Road Frame	The LL Frame provides a safe comfortable ri
24	272	14	FR-R38R-62	LL Road Frame - Red, 62	LL Road Frame	The LL Frame provides a safe comfortable ri
25	274	14	FR-R72R-44	ML Road Frame - Red, 44	ML Road Frame	Made from the same aluminum alloy as our
26	275	14	FR-R72R-48	ML Road Frame - Red, 48	ML Road Frame	Made from the same aluminum alloy as our
27	276	14	FR-R72R-52	ML Road Frame - Red, 52	ML Road Frame	Made from the same aluminum alloy as our
28	277	14	FR-R72R-58	ML Road Frame - Red, 58	ML Road Frame	Made from the same aluminum alloy as our
29	278	14	FR-R72R-60	ML Road Frame - Red, 60	ML Road Frame	Made from the same aluminum alloy as our
30	279	14	FR-R38B-44	LL Road Frame - Black, 44	LL Road Frame	The LL Frame provides a safe comfortable ri
31	282	14	FR-R38B-48	LL Road Frame - Black, 48	LL Road Frame	The LL Frame provides a safe comfortable ri
32	285	14	FR-R38B-52	LL Road Frame - Black, 52	LL Road Frame	The LL Frame provides a safe comfortable ri

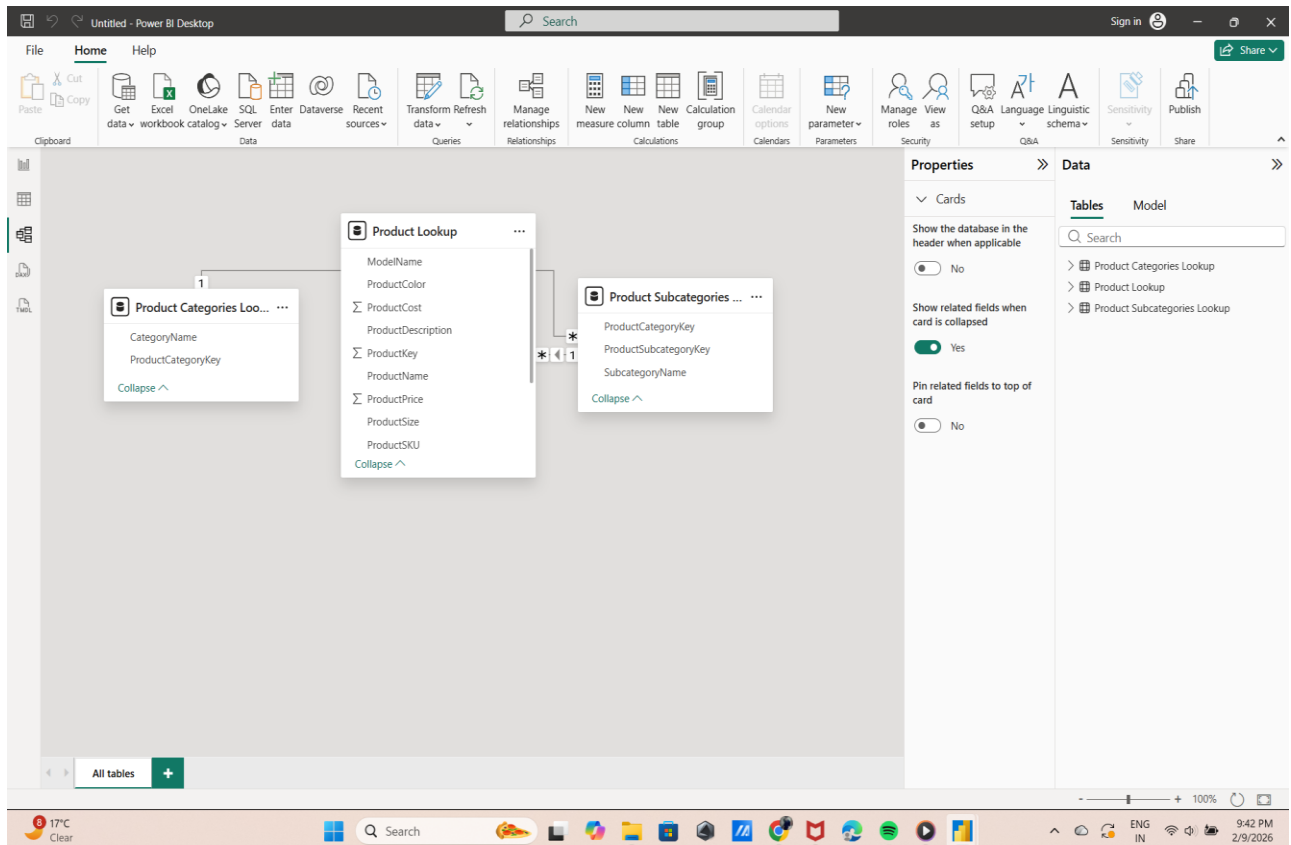
13 COLUMNS, 293 ROWS Column profiling based on top 1000 rows

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Copilot

DAX queries will be saved to your model. They won't be visible when published in the Power BI service. [Learn more.](#)

Run

Update model with changes (0)

Share feedback

1 // Welcome to DAX query view! Learn more about DAX queries at <https://aka.ms/dax-queries>.

2 // Right-click on tables, columns, or measures in the data pane to access quick queries, or ask Copilot for help writing DAX.

3

4 // Select "Run" to try this sample DAX query.

5 EVALUATE

6 | TOPN(100, 'Product Categories Lookup')

7

Results

Result 1 of 1

Copy

	Product Categories Loo...	Product Categories Loo...
1	1	Bikes
2	2	Components
3	3	Clothing
4	4	Accessories

Query 1

Success (86.8 ms)

Query 1 of 1

Result 1 of 1

2 columns, 4 rows

17°C Clear

Search

ENG IN

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	Product Categories Loo...	Product Categories Loo...
1	1	Bikes
2	2	Components
3	3	Clothing
4	4	Accessories