

Power BI - Data Transformation - p2

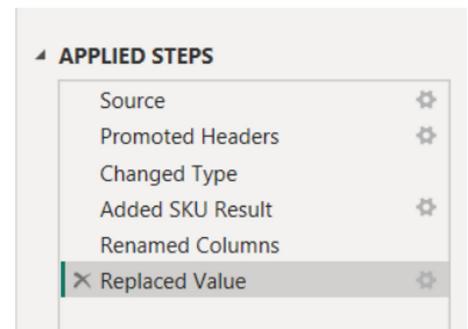
BASIC TABLE TRANSFORMATIONS

The screenshot shows the Power BI ribbon with the 'Transform' tab selected. Several tools are highlighted with yellow arrows pointing to callout boxes:

- Sort values (A-Z, Low-High, etc.)**: Points to the 'Sort' icon in the 'Manage Columns' group.
- Change data type (date, \$, %, text, etc.)**: Points to the 'Data Type' dropdown in the 'Transform' group.
- Promote headers**: Points to the 'Use First Row as Headers' checkbox in the 'Transform' group.
- Choose or remove columns**: Points to the 'Remove Columns' and 'Remove Other Columns' icons in the 'Manage Columns' group.
- Duplicate, move or rename columns**: Points to the context menu for a column header, specifically the 'Add Column From Examples...' option.
- Keep or remove rows**: Points to the 'Remove Top Rows', 'Remove Bottom Rows', 'Remove Alternate Rows', 'Remove Duplicates', 'Remove Blank Rows', and 'Remove Errors' icons in the 'Transform' group.
- Tip: use the "Remove Other Columns" option if you always want a specific set**: A tip for using the 'Remove Other Columns' feature.
- Tip: use "Remove Duplicates" to create new lookup tables from scratch**: A tip for using the 'Remove Duplicates' feature.

Assignment : Transforming Data

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



Text Before Delimiter

Enter the delimiter that marks the end of what you would like to extract.

Delimiter

Advanced options

Scan for the delimiter

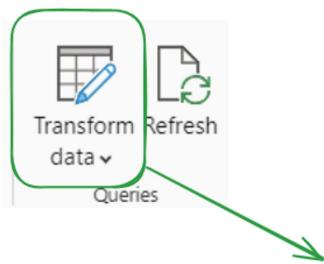
From the start of the input

Number of delimiters to skip

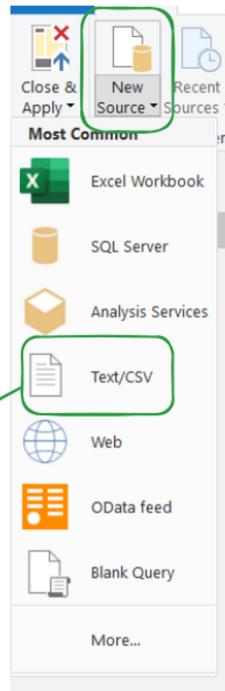
skipping the first occurrence of "-"

OK **Cancel**

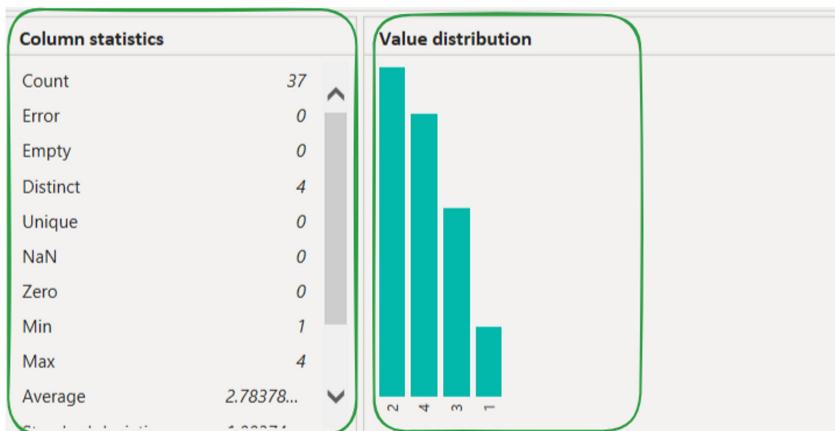
This time we would like to import the data from Back End.



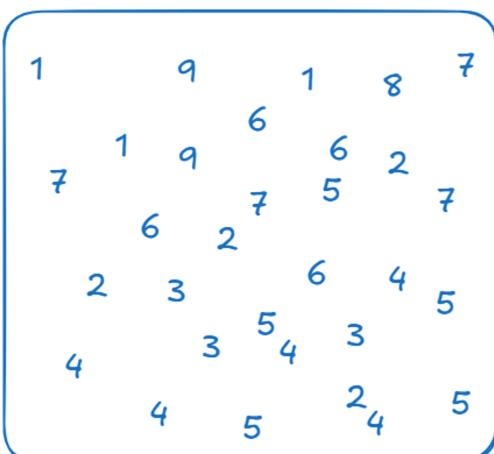
Power Query Editor



Product Category
Product Sub-Category



1. Column Profile : Active
2. You have to click on "Column" to get this detail analysis



1 - 3
2 - 4
3 - 3
4 - 5
5 - 5
6 - 3
7 - 4
8 - 1
9 - 2

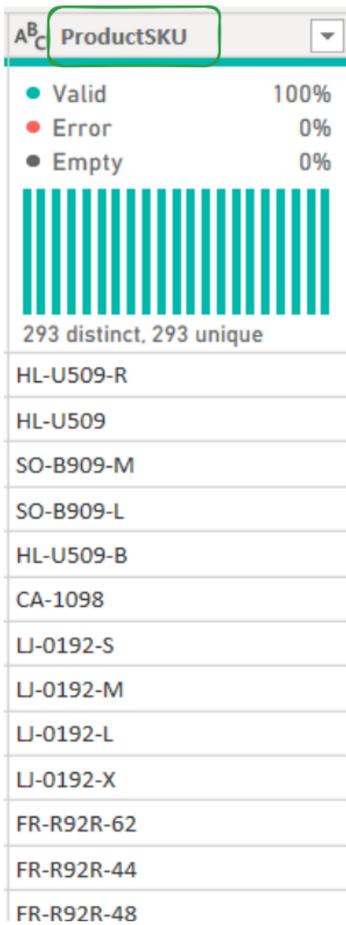
Unique = 1

8

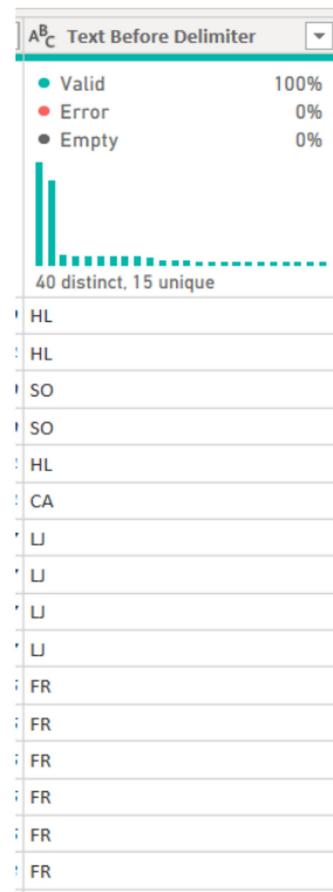
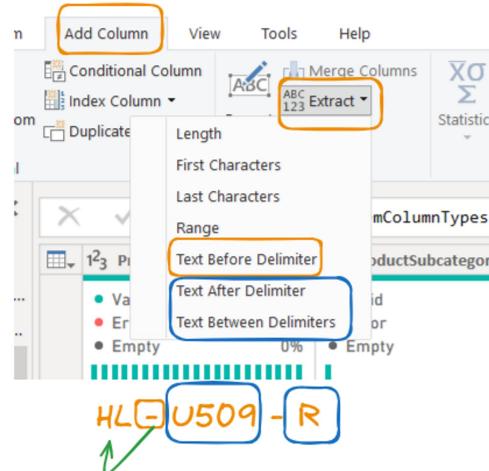
Distinct = 9

1
2
3
4
5
6
7
9

"Select **Distinct** ColumnName from TableName";

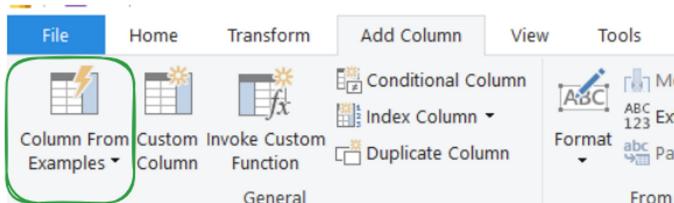
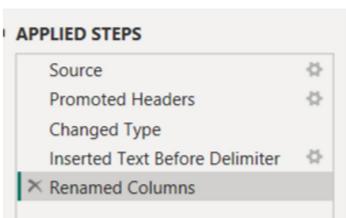
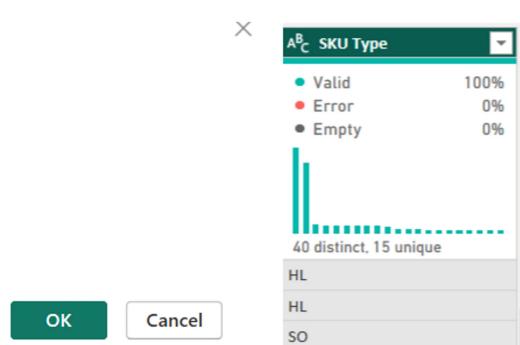


Extract a new
Column "SKU Type"



Text Before Delimiter

Enter the delimiter that marks the end of what you would like to extract.



Screenshot of Power BI Data Editor showing the 'Add Column From Examples' dialog.

Transform: Text.BeforeDelimiter([ProductSKU], "-")

The dialog shows three columns of data from a table:

	ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	SKU Type
1	214	31	HL-U509-R	sport-100 Helmet, Red	Sport-100	HL
2	215	31	HL-U509	sport-100 Helmet, Black	Sport-100	HL
3	218	23	SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	SO
4	219	23	SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	SO
5	220	31	HL-U509-B	sport-100 Helmet, Blue	Sport-100	HL
6	223	19	CA-1098	AWC Logo Cap	Cycling Cap	CA
7	226	21	LI-0192-S	Long-Sleeve Logo Jersey, S	Long-Sleeve Logo Jersey	U
8	229	21	LI-0192-M	Long-Sleeve Logo Jersey, M	Long-Sleeve Logo Jersey	U
9	232	21	LI-0192-L	Long-Sleeve Logo Jersey, L	Long-Sleeve Logo Jersey	U
10	235	21	LI-0192-X	Long-Sleeve Logo Jersey, XL	Long-Sleeve Logo Jersey	U
11	238	14	FR-R92R-62	HL Road Frame - Red, 62	HL Road Frame	FR
12	241	14	FR-R92R-44	HL Road Frame - Red, 44	HL Road Frame	FR
13	244	14	FR-R92R-48	HL Road Frame - Red, 48	HL Road Frame	FR
14	247	14	FR-R92R-52	HL Road Frame - Red, 52	HL Road Frame	FR
15	250	14	FR-R92R-56	HL Road Frame - Red, 56	HL Road Frame	FR
16	253	14	FR-R38B-58	LL Road Frame - Black, 58	LL Road Frame	FR
17	256	14	FR-R38B-60	LL Road Frame - Black, 60	LL Road Frame	FR
18	259	14	FR-R38B-62	LL Road Frame - Black, 62	LL Road Frame	FR
19	262	14	FR-R38B-44	LL Road Frame - Red, 44	LL Road Frame	FR
20	264	14	FR-R38B-48	LL Road Frame - Red, 48	LL Road Frame	FR

Source
Promoted Headers
Changed Type
X Inserted Text Before Delimiter

123#krishnamadan@gmail.com

first delimiter

Second delimiter

Screenshot of Power BI Data Editor showing the 'Add Column From Examples' dialog.

Transform: Text.BetweenDelimiters([ProductSKU], "-", "-")

The dialog shows three columns of data from a table:

	ProductKey	ProductSubcategoryKey	ProductSKU	ProductName	ModelName	Model Number
1	214	31	HL-U509-R	sport-100 Helmet, Red	Sport-100	U509
2	215	31	HL-U509	sport-100 Helmet, Black	Sport-100	U509
3	218	23	SO-B909-M	Mountain Bike Socks, M	Mountain Bike Socks	B909
4	219	23	SO-B909-L	Mountain Bike Socks, L	Mountain Bike Socks	B909
5	220	31	HL-U509-B	sport-100 Helmet, Blue	Sport-100	U509
6	223	19	CA-1098	AWC Logo Cap	Cycling Cap	1098
7	226	21	LI-0192-S	Long-Sleeve Logo Jersey, S	Long-Sleeve Logo Jersey	0192
8	229	21	LI-0192-M	Long-Sleeve Logo Jersey, M	Long-Sleeve Logo Jersey	0192
9	232	21	LI-0192-L	Long-Sleeve Logo Jersey, L	Long-Sleeve Logo Jersey	0192
10	235	21	LI-0192-X	Long-Sleeve Logo Jersey, XL	Long-Sleeve Logo Jersey	0192
11	238	14	FR-R92R-62	HL Road Frame - Red, 62	HL Road Frame	R92R
12	241	14	FR-R92R-44	HL Road Frame - Red, 44	HL Road Frame	R92R
13	244	14	FR-R92R-48	HL Road Frame - Red, 48	HL Road Frame	R92R
14	247	14	FR-R92R-52	HL Road Frame - Red, 52	HL Road Frame	R92R
15	250	14	FR-R92R-56	HL Road Frame - Red, 56	HL Road Frame	R92R
16	253	14	FR-R38B-58	LL Road Frame - Black, 58	LL Road Frame	R38B
17	256	14	FR-R38B-60	LL Road Frame - Black, 60	LL Road Frame	R38B
18	259	14	FR-R38B-62	LL Road Frame - Black, 62	LL Road Frame	R38B
19	262	14	FR-R38B-44	LL Road Frame - Red, 44	LL Road Frame	R38R
20	264	14	FR-R38B-48	LL Road Frame - Red, 48	LL Road Frame	R38R