

Custom columns in Power Query

DATA TRANSFORMATION IN POWER BI



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Custom columns

- Written in M language
 - Comes from data **M**ashup
 - Case-sensitive
- Can reference several columns
- Extend functionality of existing transformations
- Implement advanced logic for conditional columns
 - Using **AND** **OR** **NOT**

Operations for custom columns

- Numerical only
 - `+` `-` `*` `/` `^`
- Text
 - `&`
- All columns
 - `<` `>` `<>` `<=` `>=` `=`
- Conditional logic
 - `if` `then` `else`
 - `AND` `OR` `NOT`
- Mind your data types
 - Mismatches will result in errors

Custom Column

Add a column that is computed from the other columns.

New column name

Total Sales

Custom column formula ⓘ

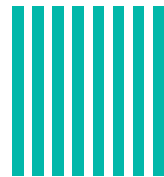
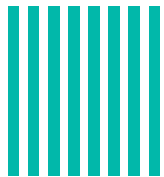
```
= [Unit Price] * [Quantity]
```

[Learn about Power Query formulas](#)

✓ No syntax errors have been detected.

Group by with custom columns

- Using the aggregation "All Rows"
 - Divides data into several smaller tables
 - Use `Table` M functions on a column
- Example:
 - Group sales data into product categories
 - Rank each product in each category

	A ^B _C CategoryName	1.2 TotalStock	Grouped
	 8 distinct, 8 unique	 8 distinct, 8 unique	
1	Seafood	701	Table
2	Beverages	539	Table
3	Condiments	507	Table
4	Dairy Products	393	Table
5	Confections	386	Table
6	Grains/Cereals	282	Table
7	Meat/Poultry	136	Table
8	Produce	74	Table

Let's practice!

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Custom columns demo

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