

# POWER QUERY OPERATIONS



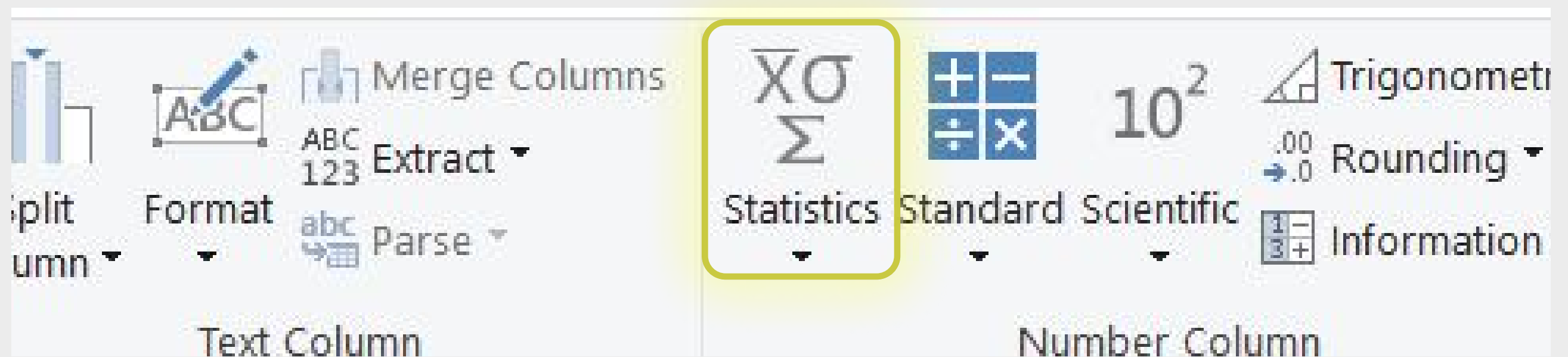
Power BI

**Power query** in PowerBI is a data transformation tool that connects to various sources used to **clean and reshape data**.

Lets learn some transformation on a data.

## POWER QUERY TRANSFORMATIONS

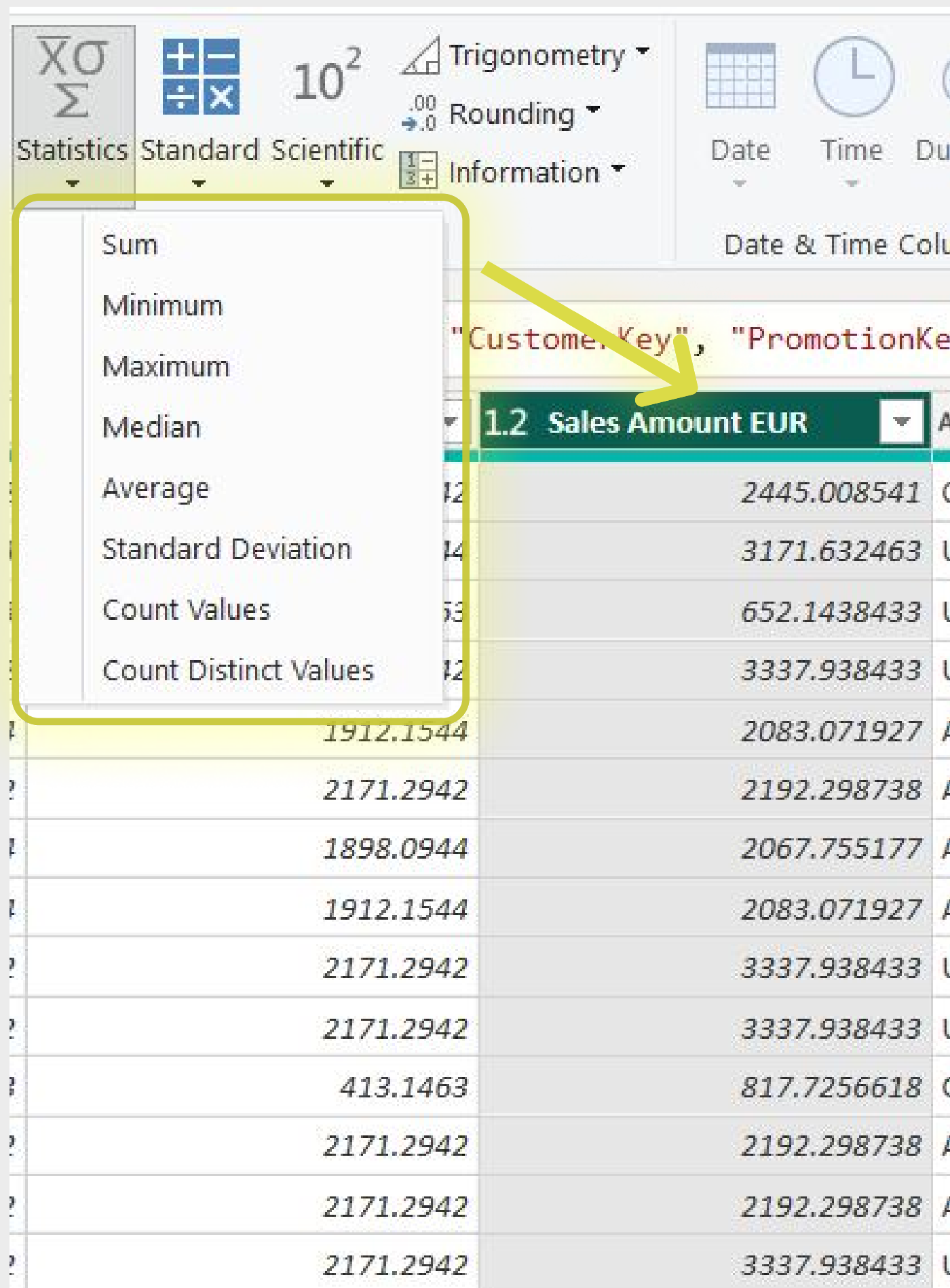
# STATISTICS



This Option is really helpful to quickly do some statistical calculation on a column like sum, min, max, average, standard deviation etc.

# POWER QUERY TRANSFORMATIONS

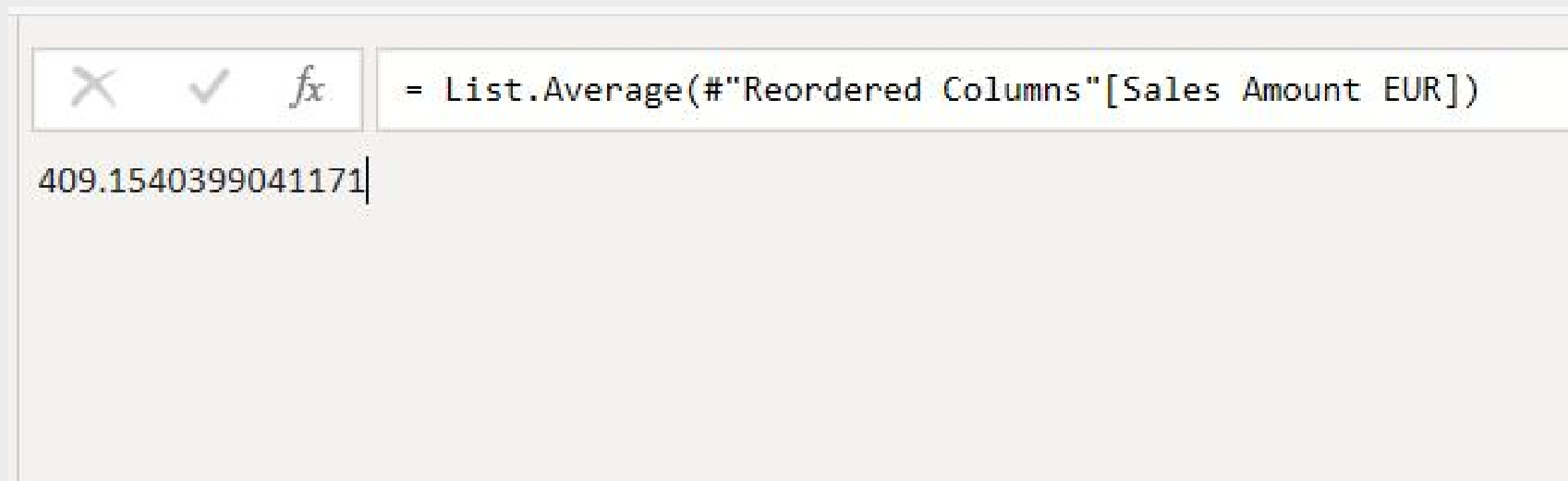
## STATISTICS



Select Column  
then go to  
statistics then  
select whatever  
stats you want to  
find lets find  
Average value for  
Sales Amount

## POWER QUERY TRANSFORMATIONS

# STATISTICS

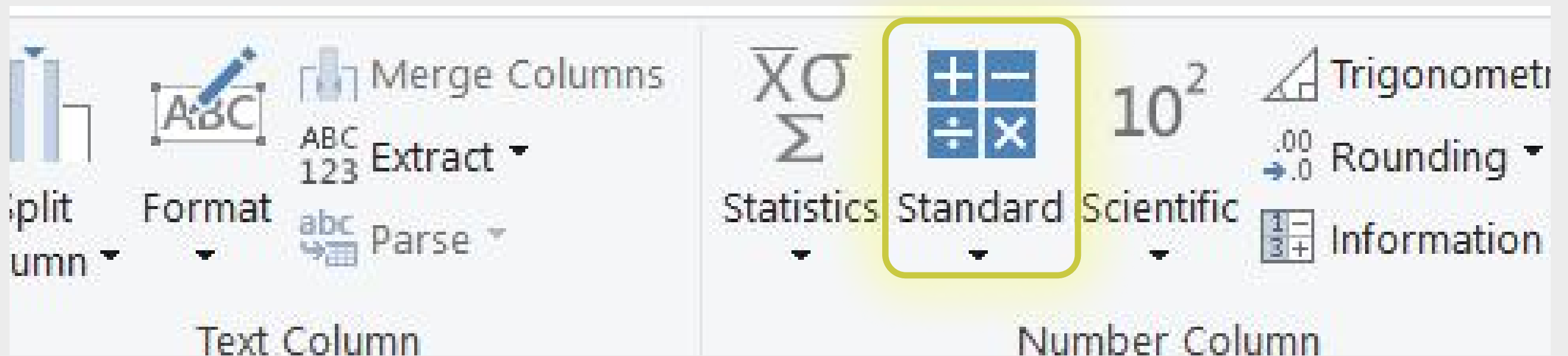


This is the average value for our Sales Amount.

Similarly there are other statistical operation you can use to find your desired result.

## POWER QUERY TRANSFORMATIONS

# STANDARD



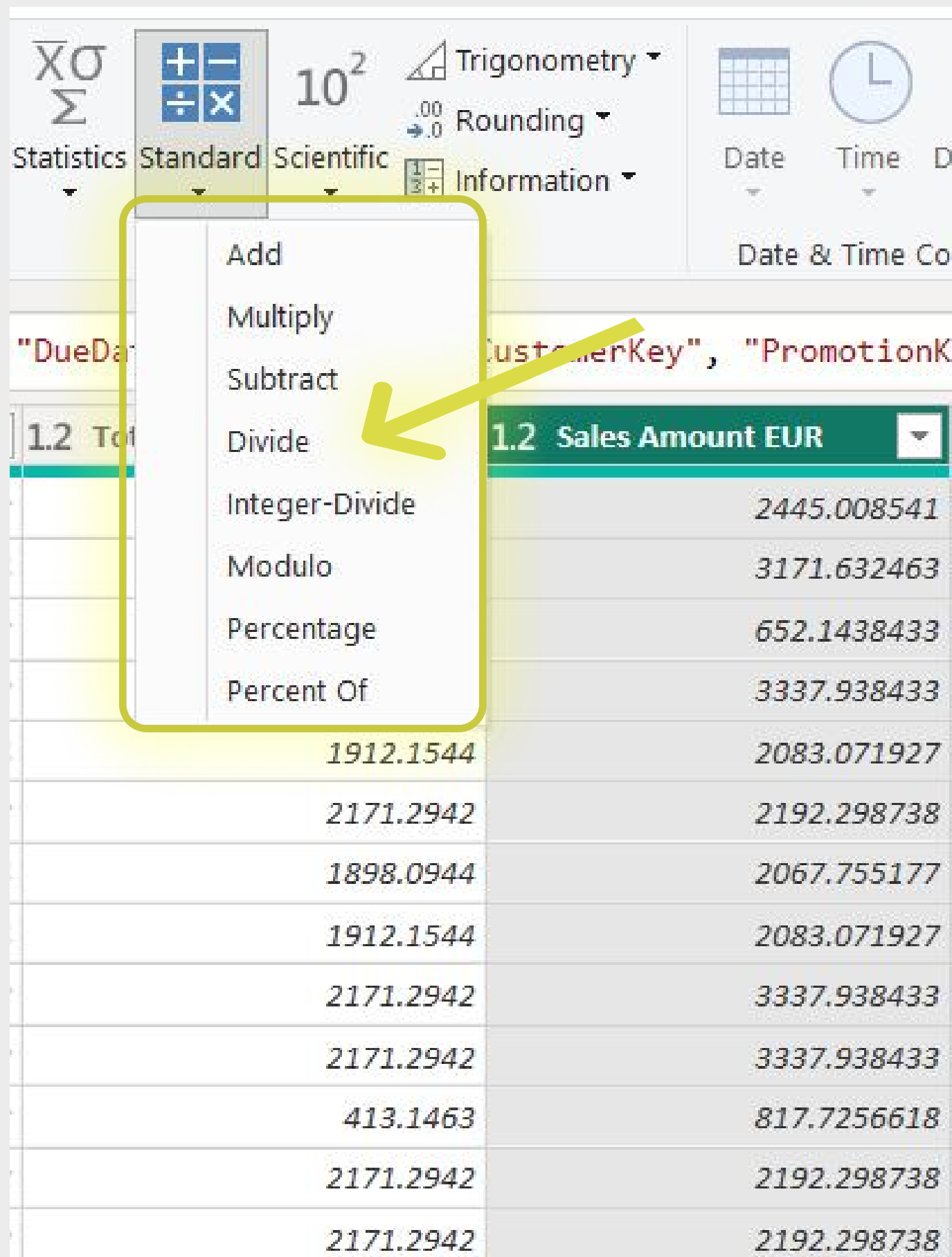
Standard is used to apply some mathematical Calculation to a column.

This is not used for overall calculation but to apply some mathematical calculation on each row of a column.

Check out example it will help you better understand.

# POWER QUERY TRANSFORMATIONS

## STANDARD



Select Sales Amount column now we can apply some mathematics on this column like Dividing by 2.

# POWER QUERY TRANSFORMATIONS

## STANDARD

×

Divide

Enter a number by which to divide each value in the column.

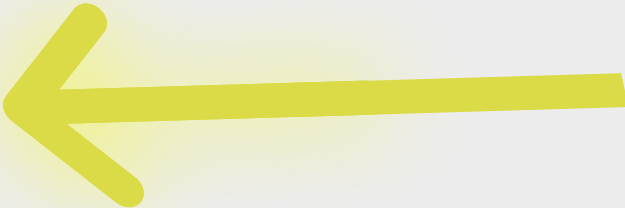
Value

2

OK

Cancel

1.2 Sales Amount EUR
1222.504271
1585.816231
326.0719216
1668.969216
1041.535964
1096.149369
1033.877589
1041.535964
1668.969216
1668.969216
408.8628309
1096.149369
1096.149369
1668.969216
1789.135



We can see Sales Amount Column values has been divided by 2



## POWER QUERY TRANSFORMATIONS

# SCIENTIFIC



Scientific works similar to how standard works it has more advanced mathematical operations that we can use on our column.

# POWER QUERY TRANSFORMATIONS

# SCIENTIFIC

The image shows the Microsoft Excel ribbon with the 'Scientific' group highlighted. The 'Scientific' group's dropdown menu is open, showing the following options: Absolute Value, Power, Square Root, Exponent, Logarithm, and Factorial. The background shows a portion of an Excel spreadsheet with columns labeled 'DueDate', 'TotalProduct', and 'Amount EUR'.

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