

goodly



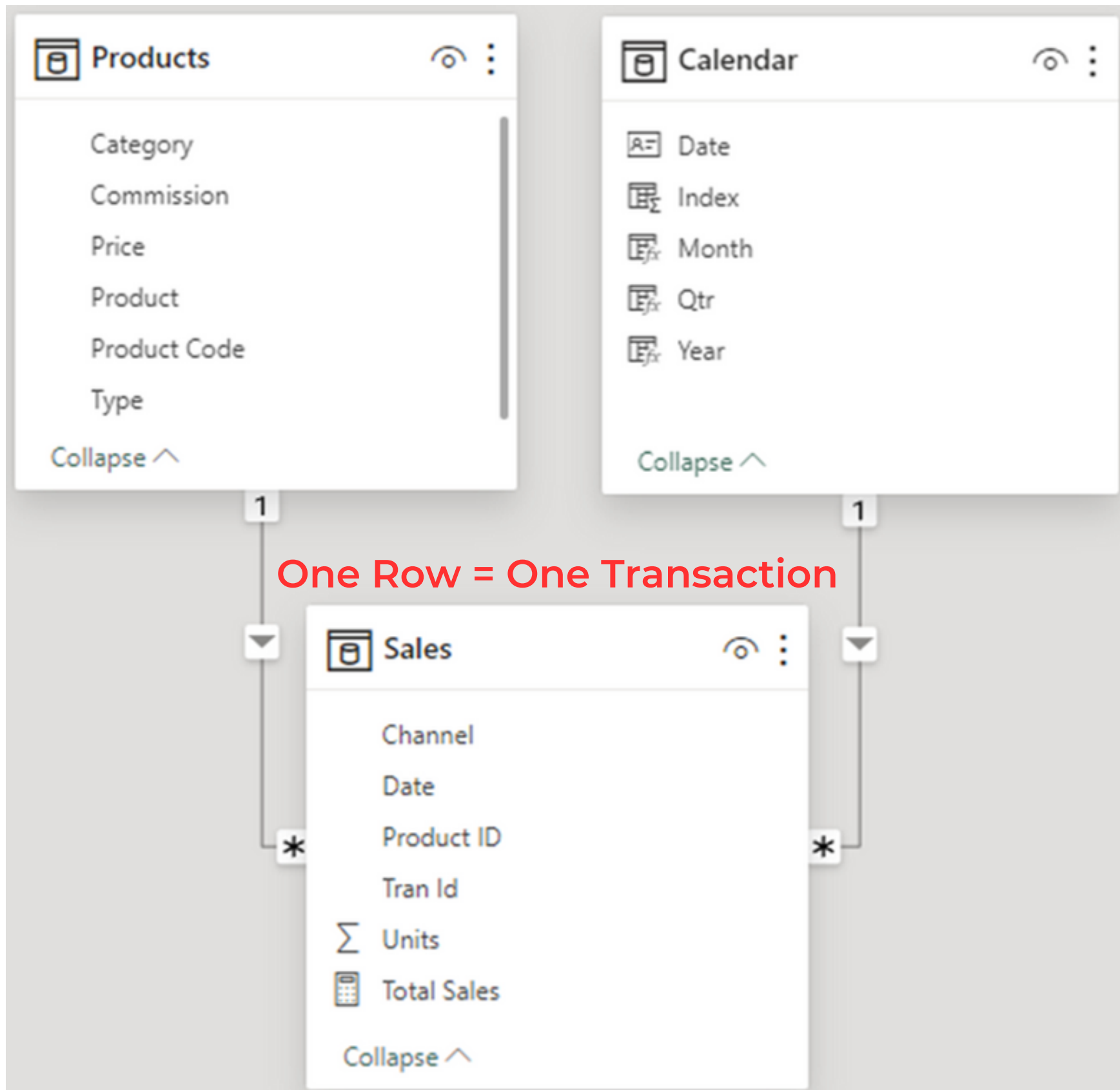
Calculate MAX Values in Power BI

DAX Tricks

Consider This Data Model..

One Row = One SKU

One Row = One Date



Trick 1 – Calculate MAX Sales Transaction Value

```
1 Max Sales Transaction =  
2 MAXX(  
3     Sales, ←  
4     [Total Sales]  
5 )
```

Year	Month	Total Sales	Max Sales Transaction
2011	Jan	1,199.34	174.00
	Feb	1,110.93	130.50
	Mar	1,093.56	119.88
	Apr	904.29	130.50

The filter context can be anything, but you'll always get the max transaction value because we are **iterating through each row of the Sales table**.

Trick 2 – Calculate MAX Date Value

```
1 Max Date Value =  
2 MAXX(  
3     'Calendar', ←  
4     [Total Sales]  
5 )
```

Year	Month	Total Sales	Max Date Value
☐ 2011	Jan	1,199.34	192.00
	Feb	1,110.93	191.88
	Mar	1,093.56	127.17
	Apr	904.29	156.00

You'll always get the max date value because we are **iterating through each row of the Calendar table**.

Trick 3 – Calculate MAX Product Value

```
1 Max Product Value =  
2 MAXX(  
3   'Products', ←  
4   [Total Sales]  
5 )
```

Year	Month	Total Sales	Max Product Value
☐ 2011	Jan	1,199.34	270.00
	Feb	1,110.93	359.64
	Mar	1,093.56	179.82
	Apr	904.29	324.00

You'll always get the max product value because we are **iterating through each row of the Products table**.

Trick 4 – Calculate MAX Channel Value

```
1 Max Channel Value =  
2 MAXX(  
3     VALUES(Sales[Channel]), ←  
4     [Total Sales]  
5 )
```

Year	Month	Total Sales	Max Channel Value
2011	Jan	1,199.34	535.17
	Feb	1,110.93	638.79
	Mar	1,093.56	553.26
	Apr	904.29	499.35

You'll always get the max channel value because we are **iterating through each row of the virtual Channel table**.

Conclusion -

This pattern...

```
MAXX (  
    Table,  
    [Expression]  
)
```

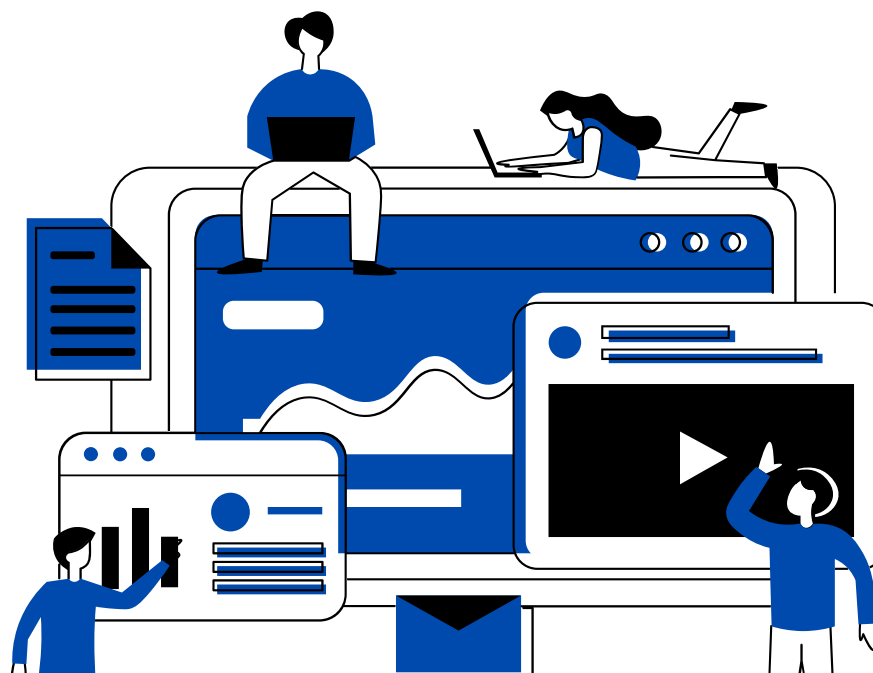
... will result in the max value as per the granularity (row level detail) of the table.

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