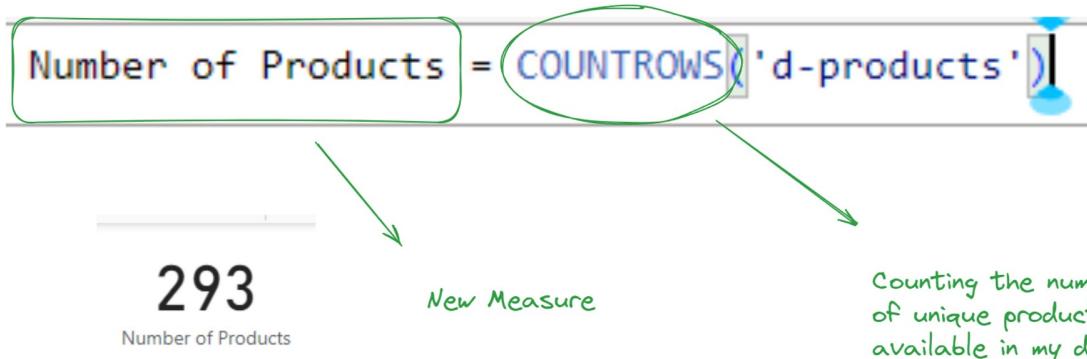


## DAX -2 Continues

---

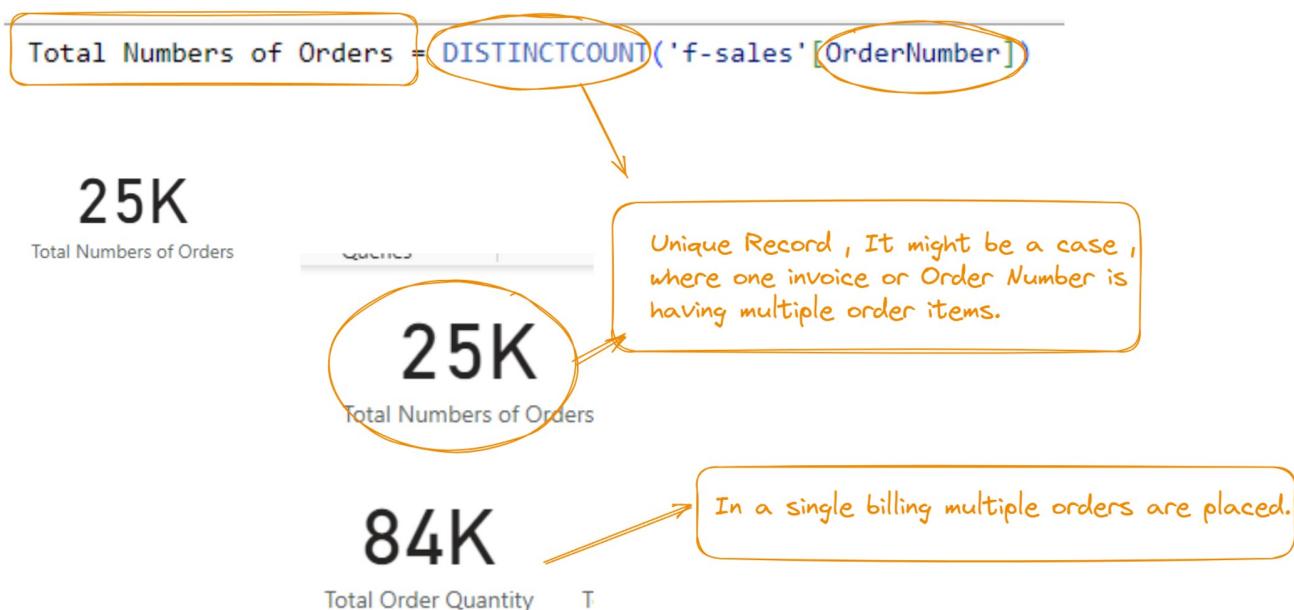
Q8 -

- Count the number of products in each category.



Q9 -

Count the number of a unique number of orders in a table.



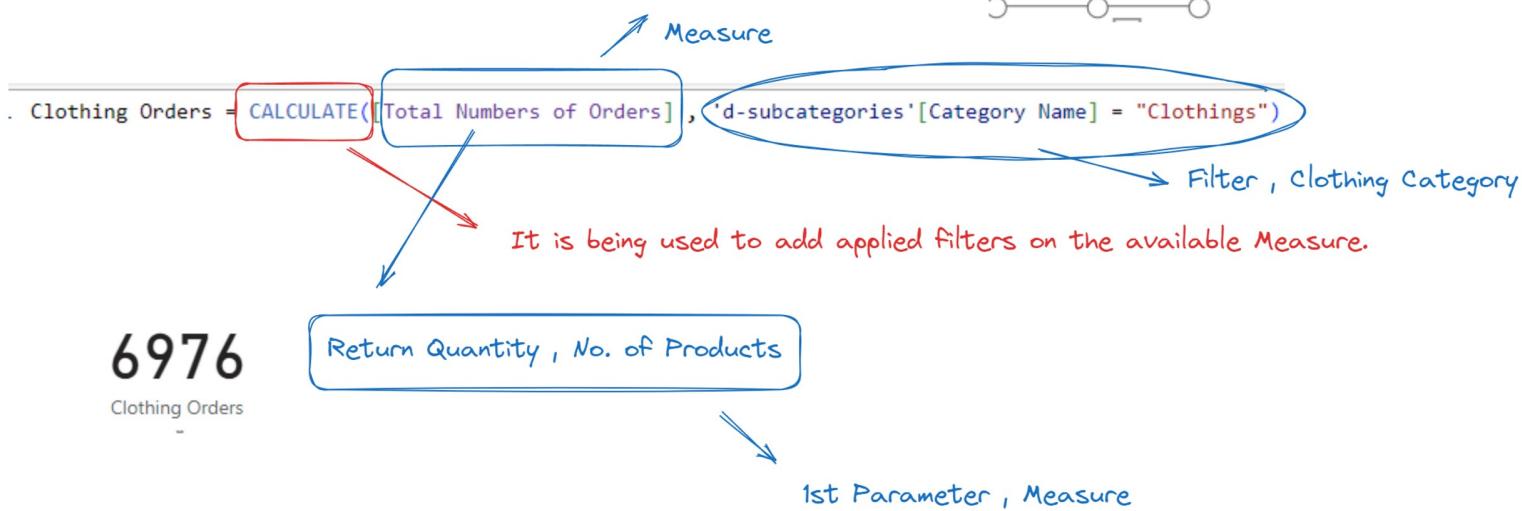
Q -10



Q -10

## Total Items of Clothing Category.

6976  
Clothing Orders



### CALCULATE()

Evaluates an expression in a context that is modified by filters

=CALCULATE(Expression, [Filter1], [Filter2],...)

Name of an **existing measure** or a **DAX formula** for a valid measure

A Boolean (True/False) expression or a table expression that defines a filter

**Note:** these require fixed values or aggregation functions that return a scalar value (you cannot create filters based on measures)

#### Examples:

- [Total Orders]
- SUM('Returns Data'[Return Quantity])

#### Examples:

- Territory Lookup'[Country] = "USA"
- Calendar[Year] <> MAX(Calendar[Year])

## CRICKET - VIRAT KOHLI

4K	10K	15K
T20	ODI	TEST
250	350	410
T20	ODI	TEST

No. of Runs he has made.

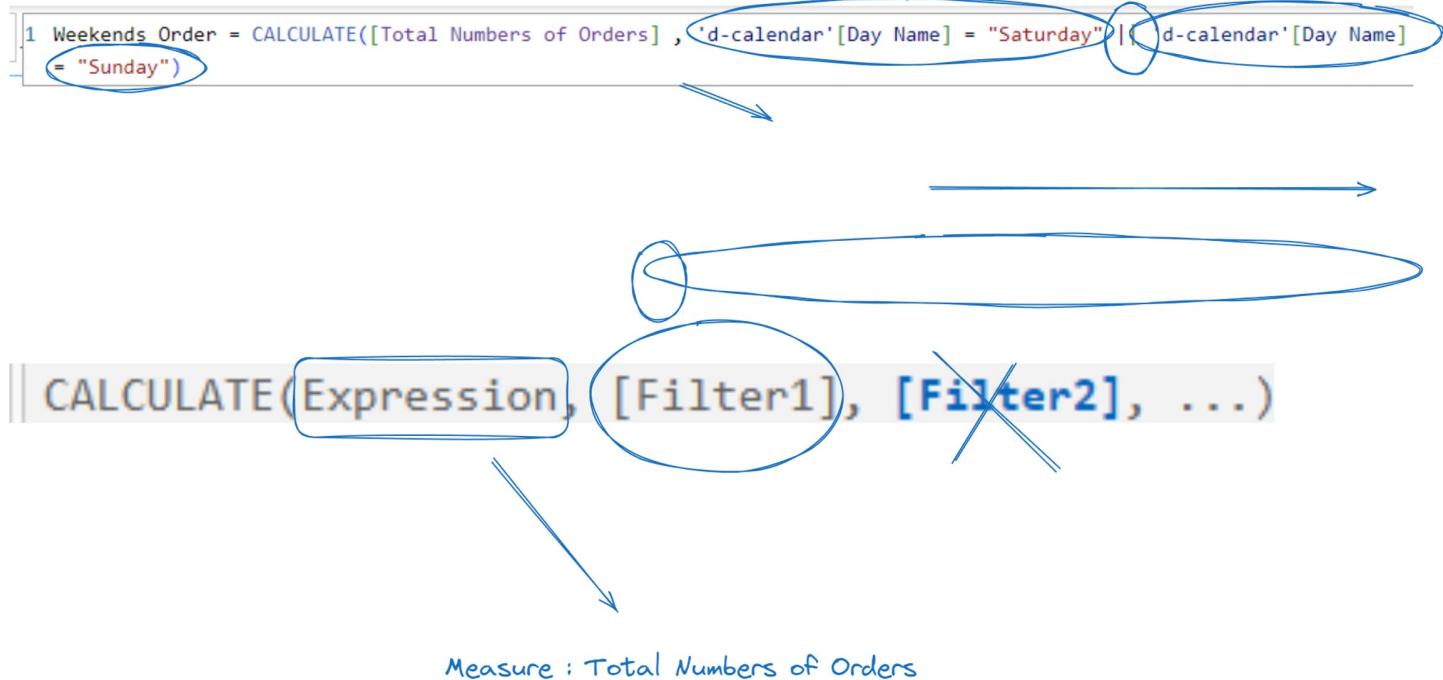
Measure - Aggregate [Summarized By]

No. of Innings he has played.

Q11 = Total Weekend Orders.

Date	A <sub>b</sub> c Day Name	Start of Month	A <sub>b</sub> c Month Name	Y <sub>2</sub> 3 Year	A <sub>b</sub> c Weekend?
● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%	● Valid 100%
● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%	● Error 0%
● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%	● Empty 0%
912 distinct, 912 unique	7 distinct, 0 unique	30 distinct, 0 unique	12 distinct, 0 unique	3 distinct, 0 unique	2 distinct, 0 unique
01-01-2015 Thursday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
02-01-2015 Friday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
03-01-2015 Saturday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	
04-01-2015 Sunday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	
05-01-2015 Monday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
06-01-2015 Tuesday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
07-01-2015 Wednesday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
08-01-2015 Thursday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
09-01-2015 Friday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
10-01-2015 Saturday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	
11-01-2015 Sunday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	
12-01-2015 Monday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
13-01-2015 Tuesday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
14-01-2015 Wednesday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
15-01-2015 Thursday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
16-01-2015 Friday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 No	
17-01-2015 Saturday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	
18-01-2015 Sunday	01-01-2015 January	01-01-2015 January	01-01-2015 January	2015 Yes	

Do Transform to create this column from example



Q12 - Total High Price Point Products.

High Price Product Count = CALCULATE([Number of Products], 'd-products'[Price Point] = "High")

## Data Transformation Advance Functions [DAX]

Q1 -

Create a sub-table of customers table only showing customers which met the conditions in the expression.

Step 1 : Click on this existing Customer Table to get the Table Tool

FILTER(Table, FilterExpression)

Returns a table that has been filtered.

```
Target Customer = FILTER('d-customers','d-customers'[AnnualIncome] > 50000 && 'd-customers'[Gender] = "M" && 'd-customers'[MaritalStatus] = "M")
```

> d-customers

We are cloning this customer Table with a new Table based on Some Filter.

>  Target Customer	
<input type="checkbox"/>	Σ Age
<input type="checkbox"/>	Σ AnnualIncome
<input type="checkbox"/>	Σ Birth Year
>	<input type="checkbox"/> BirthDate
	<input type="checkbox"/> Σ CustomerKey
	<input type="checkbox"/> EducationLevel
	<input type="checkbox"/> EmailAddress
	<input type="checkbox"/> Full Name
	<input type="checkbox"/> Gender
	<input type="checkbox"/> HomeOwner
	<input type="checkbox"/> MaritalStatus

→ It will show all the columns based on applied Filter



- Gender
- HomeOwner
- MaritalStatus
- Occupation
- Target Custom...
- Target Custom...
- Target Custom...
- Target Custom...
- $\Sigma$  TotalChildren
- User Name

8190

Original Customer Table has count rows = 8190

1414

Calculated Target Customer

Target Customer Table has count rows = 1414