

EXAMPLE - DATEIF Functions

This example illustrates how you can apply conditionals to calculate minimum, maximum, and most common date values.

Functions:

Item	Description
MINDATEIF Function	Returns the minimum Datetime value of rows in each group that meet a specific condition. Set of values must valid Datetime values.
MAXDATEIF Function	Returns the maximum Datetime value of rows in each group that meet a specific condition. Set of values must valid Datetime values.
MODEDATEIF Function	Returns the most common Datetime value of rows in each group that meet a specific condition. Set of values must valid Datetime values.

Source:

Here is some example transaction data:

Date	Product	Units	UnitCost	OrderValue
3/28/2020	ProductA	4	10.00	40.00
3/8/2020	ProductB	4	20.00	80.00
3/12/2020	ProductC	2	30.00	60.00
3/23/2020	ProductA	1	10.00	10.00
3/20/2020	ProductB	2	20.00	40.00
3/12/2020	ProductC	9	30.00	270.00
3/28/2020	ProductA	5	10.00	50.00
3/23/2020	ProductB	8	20.00	160.00
3/16/2020	ProductC	9	30.00	270.00
3/8/2020	ProductA	5	10.00	50.00
3/10/2020	ProductB	3	20.00	60.00
3/13/2020	ProductC	1	30.00	30.00
3/12/2020	ProductA	7	10.00	70.00
3/10/2020	ProductB	7	20.00	140.00
3/24/2020	ProductC	9	30.00	270.00
3/15/2020	ProductA	8	10.00	80.00
3/10/2020	ProductB	5	20.00	100.00
3/10/2020	ProductC	4	30.00	120.00

Transformation and Results:

These functions are useful for asking questions about your data. In the following, you can review specific questions and see the results immediately.

Question 1: What is the earliest date when a \$100.00 transaction occurred?

Transformation Name	New formula
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Parameter: Formula type	Single row formula
Parameter: Formula	mindateif(Date, OrderValue > 100)
Parameter: New column name	'Answers'

Results: Value in Answers column: 3/10/2020

Question 2: What is the latest date when a \$200.00 transaction occurred?

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	maxdateif(Date, OrderValue > 200)
Parameter: New column name	'Answer'

Results: Value in Answers column: 3/24/2020

Question 3: On what date did the most transactions occur this month?

Transformation Name	New formula
Parameter: Formula type	Single row formula
Parameter: Formula	modateif(Date, OrderValue > 0)
Parameter: New column name	'Answer'

Results: Value in Answers column: 3/10/2020