**CONTAINS**

Returns true if values for all referred columns exist, or are contained, in those columns; otherwise, the function returns false.

**Syntax**

DAX Copy

CONTAINS(<table>, <columnName>, <value>[, <columnName>, <value>]…)

**Parameters**

| **Term** | **Definition** |
| --- | --- |
| table | Any DAX expression that returns a table of data. |
| columnName | The name of an existing column, using standard DAX syntax. It cannot be an expression. |
| value | Any DAX expression that returns a single scalar value, that is to be sought in *columnName*. The expression is to be evaluated exactly once and before it is passed to the argument list. |

**Return value**

A value of **TRUE** if each specified *value* can be found in the corresponding *columnName*, or are contained, in those columns; otherwise, the function returns **FALSE**.

Example:

=CONTAINS(InternetSales, [ProductKey], 214, [CustomerKey], 11185)

**IN Operator**

Returns TRUE if a row of values exists or contained in a table, otherwise returns FALSE. Except syntax, the IN operator and CONTAINSROW function are functionally equivalent.

**IN Operator**

**Syntax**

<scalarExpr> IN <tableExpr>

( <scalarExpr1>, <scalarExpr2>, … ) IN <tableExpr>

**CONTAINSROW function**

**Syntax**

CONTAINSROW(<tableExpr>, <scalarExpr>[, <scalarExpr>, …])

**Parameters**

| **Term** | **Definition** |
| --- | --- |
| scalarExprN | Any valid DAX expression that returns a scalar value. |
| tableExpr | Any valid DAX expression that returns a table of data. |

**Return value**

TRUE or FALSE.

Exmaple:

EVALUATE FILTER(ALL(DimProduct[Color]), ([Color]) IN { "Red", "Yellow", "Blue" })

ORDER BY [Color]

**ISBLANK**

Checks whether a value is blank, and returns TRUE or FALSE.

**Syntax**

ISBLANK(<value>)

**Parameters**

| **Term** | **Definition** |
| --- | --- |
| value | The value or expression you want to test. |

**Return value**

A Boolean value of TRUE if the value is blank; otherwise FALSE.

Example:

# ISERROR

Checks whether a value is an error, and returns TRUE or FALSE.

## Syntax

DAX Copy

ISERROR(<value>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| value | The value you want to test. |

## Return value

A Boolean value of TRUE if the value is an error; otherwise FALSE.

Example:

# ISEVEN

Returns TRUE if number is even, or FALSE if number is odd.

## Syntax

DAX Copy

ISEVEN(number)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| number | The value to test. If number is not an integer, it is truncated. |

## Return value

Returns TRUE if number is even, or FALSE if number is odd.

# ISINSCOPE

Returns true when the specified column is the level in a hierarchy of levels.

## Syntax

DAX Copy

ISINSCOPE(<columnName>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| columnName | The name of an existing column, using standard DAX syntax. It cannot be an expression. |

## Return value

TRUE when the specified column is the level in a hierarchy of levels.

Example:

# ISLOGICAL

Checks whether a value is a logical value, (TRUE or FALSE), and returns TRUE or FALSE.

## Syntax

DAX Copy

ISLOGICAL(<value>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| value | The value that you want to test. |

## Property Value/Return value

TRUE if the value is a logical value; FALSE if any value other than TRUE OR FALSE.

Example:

//RETURNS: Is Boolean type or Logical

=IF(ISLOGICAL(true), "Is Boolean type or Logical", "Is different type")

# ISNONTEXT

Checks if a value is not text (blank cells are not text), and returns TRUE or FALSE.

## Syntax

DAX Copy

ISNONTEXT(<value>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| value | The value you want to check. |

## Return value

TRUE if the value is not text or blank; FALSE if the value is text.

Example

//RETURNS: Is Non-Text

=IF(ISNONTEXT(1), "Is Non-Text", "Is Text")

# ISNUMBER

Checks whether a value is a number, and returns TRUE or FALSE.

## Syntax

DAX Copy

ISNUMBER(<value>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| value | The value you want to test. |

## Property Value/Return value

TRUE if the value is numeric; otherwise FALSE.

Example

//RETURNS: Is number

=IF(ISNUMBER(0), "Is number", "Is Not number")

# ISODD

Returns TRUE if number is odd, or FALSE if number is even.

## Syntax

DAX Copy

ISODD(number)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| number | The value to test. If number is not an integer, it is truncated. |

## Return value

Returns TRUE if number is odd, or FALSE if number is even.

# ISTEXT

Checks if a value is text, and returns TRUE or FALSE.

## Syntax

DAX Copy

ISTEXT(<value>)

### Parameters

| **Term** | **Definition** |
| --- | --- |
| value | The value you want to check. |

## Property Value/Return value

TRUE if the value is text; otherwise FALSE

Example:

//RETURNS: Is Text

=IF(ISTEXT("text"), "Is Text", "Is Non-Text")

# LOOKUPVALUE

Returns the value in result\_columnName for the row that meets all criteria specified by search\_columnName and search\_value.

## Syntax

DAX Copy

LOOKUPVALUE( <result\_columnName>, <search\_columnName>, <search\_value>[, <search\_columnName>, <search\_value>]…[, <alternateResult>])

### Parameters

| **Term** | **Definition** |
| --- | --- |
| result\_columnName | The name of an existing column that contains the value you want to return. The column must be named using standard DAX syntax, usually, fully qualified. It cannot be an expression. |
| search\_columnName | The name of an existing column, in the same table as result\_columnName or in a related table, over which the look-up is performed. The column must be named using standard DAX syntax, usually, fully qualified. It cannot be an expression. |
| search\_value | A scalar expression that does not refer to any column in the same table being searched. |
| alternateResult | (Optional) The value returned when the context for result\_columnName has been filtered down to zero or more than one distinct value. When not provided, the function returns BLANK() when result\_columnName is filtered down to zero value or an error when more than one distinct value. |

## Return value

The value of result\_column at the row where all pairs of search\_column and search\_value have a match.

If there is no match that satisfies all the search values, a BLANK or alternateResult, if supplied, is returned. In other words, the function will not return a lookup value if only some of the criteria match.

If multiple rows match the search values and in all cases result\_column values are identical then that value is returned. However, if result\_column returns different values an error or alternateResult, if supplied, is returned.

Example:

=LOOKUPVALUE(Product[SafetyStockLevel], [ProductName], " Mountain-400-W Silver, 46")

# USERNAME

Returns the domain name and username from the credentials given to the system at connection time.

## Syntax

DAX Copy

USERNAME()

### Parameters

## Return value

The username from the credentials given to the system at connection time

Example:

=IF(CONTAINS(UsersTable,UsersTable[login], USERNAME()), "Allowed", BLANK())