

OR Function

Returns `true` if either argument evaluates to `true`. Equivalent to the `||` operator.

- Each argument can be a literal Boolean, a function returning a Boolean, or a reference to a column containing Boolean values.

Since the function returns a Boolean value, it can be used as a function or a conditional.

NOTE: Within an expression, you might choose to use the corresponding operator, instead of this function. For more information, see *Logical Operators*.

Basic Usage

```
or(daysBillOverdue > 90, violationsCount > 2)
```

Output: If the value in the `daysBillOverdue` column is greater than 90 and the value in `violationsCount` column is greater than 2, then the returned value is `true`. Otherwise, the value is `false`.

Syntax and Arguments

```
or(value1, value2)
```

| Argument | Required? | Data Type | Description |
|----------|-----------|-----------|--|
| value1 | Y | string | The first value must be a Boolean literal, column reference, or expression that evaluates to <code>true</code> or <code>false</code> . |
| value2 | Y | string | The first value must be a Boolean literal, column reference, or expression that evaluates to <code>true</code> or <code>false</code> . |

For more information on syntax standards, see *Language Documentation Syntax Notes*.

value1, value2

Expressions, column references or literals to compare as Boolean values.

- Missing or mismatched values generate missing results.

Usage Notes:

| Required? | Data Type | Example Value |
|-----------|---|---------------------------------|
| Yes | Function or column reference returning a Boolean value or Boolean literal | <code>myHeight > 2.00</code> |

Examples

Tip: For additional examples, see *Common Tasks*.

Example - Logical Functions

This example demonstrate the AND, OR, and NOT logical functions.

- See *AND Function*.
- See *OR Function*.
- See *NOT Function*.

In this example, the dataset contains results from survey data on two questions about customers. The yes/no answers to each question determine if the customer is 1) still active, and 2) interested in a new offering.

Source:

| Customer | isActive | isInterested |
|----------|----------|--------------|
| CustA | Y | Y |
| CustB | Y | N |
| CustC | N | Y |
| CustD | N | N |

Transformation:

Customers that are both active and interested should receive a phone call:

| | |
|-----------------------------------|-----------------------------|
| Transformation Name | New formula |
| Parameter: Formula type | Single row formula |
| Parameter: Formula | AND(isActive, isInterested) |
| Parameter: New column name | 'phoneCall' |

Customers that are either active or interested should receive an email:

| | |
|-----------------------------------|----------------------------|
| Transformation Name | New formula |
| Parameter: Formula type | Single row formula |
| Parameter: Formula | OR(isActive, isInterested) |
| Parameter: New column name | 'sendEmail' |

Customers that are neither active or interested should be dropped from consideration for the offering:

| | |
|--------------------------------|---------------------------------------|
| Transformation Name | New formula |
| Parameter: Formula type | Single row formula |
| Parameter: Formula | AND(NOT(isActive), NOT(isInterested)) |

| | |
|-----------------------------------|------------|
| Parameter: New column name | 'dropCust' |
|-----------------------------------|------------|

A savvy marketer might decide that if a customer receives a phone call, that customer should not be bothered with an email, as well:

| | |
|----------------------------|---|
| Transformation Name | Edit column with formula |
| Parameter: Columns | sendEmail |
| Parameter: Formula | IF(phoneCall == "TRUE", FALSE, sendEmail) |

Results:

| Customer | isActive | isInterested | dropCust | sendEmail | phoneCall |
|----------|----------|--------------|----------|-----------|-----------|
| CustA | Y | Y | FALSE | FALSE | TRUE |
| CustB | Y | N | FALSE | TRUE | FALSE |
| CustC | N | Y | FALSE | TRUE | FALSE |
| CustD | N | N | TRUE | FALSE | FALSE |