

count_if

Description

Returns the number of rows that satisfy a given condition, counting only non-null expression values.

- Useful for measuring subsets of data within groups.
- Can evaluate a condition alone or in combination with a non-null expression.

NOTE

`count_if` is an aggregation function and must be used with a grouping keyword such as `groupby`.

Syntax

```
count_if(condition: bool, expression: any?): number
```

Arguments

Name	Type	Required	Description
condition	boolean	true	Boolean expression indicating whether the row should be counted
expression	any	false	Optional expression. If provided, only non-null values are counted

Example

Use case: Count high-duration HTTP requests per operation

Suppose you want to count requests where the duration exceeds 500 ms, grouped by operation name.

Example data

```
{ "operationName": "scheduledEvent", "duration": 567 },  
{ "operationName": "HipsterShop", "duration": 512 },  
{ "operationName": "login", "duration": 33 }  
{ "operationName": "HipsterShop", "duration": 744 },
```

Example query

```
source spans  
| groupby $l.operationName aggregate count_if($m.duration > 500) as  
high_duration_request_count
```

Example output

operationName	high_duration_request_count
scheduledEvent	1
HipsterShop	2

🕒 Last updated: October 19, 2025

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