

max_by

Description

Returns the value of an expression associated with the maximum value of a given sort key.

- Both `sortKey` and `expression` must be comparable types (`string`, `bool`, `number`, `interval`, `timestamp`, `regexp`, or `enum`).
- Useful for retrieving details from the row that has the maximum value of another field.

Syntax

```
max_by(sortKey: T, expression: U): U
```

Arguments

Name	Type	Required	Description
sortKey	T	true	Field to maximize. Must be <code>string</code> , <code>bool</code> , <code>number</code> , <code>interval</code> , <code>timestamp</code> , <code>regexp</code> , or <code>enum</code>
expression	U	true	Value to return from the row with the maximum <code>sortKey</code> . Must be a comparable type

Example

Use case: Retrieve details of the latest event per user

Suppose you want to know the last activity performed by each user. You can use `max` to compute the latest timestamp and `max_by` to extract the associated details.

Example data

```
{ "username": "chris", "path": "/home", "latency": 320, "ts":  
1728919749261000000 },
```

```
{ "username": "chris", "path": "/checkout", "latency": 5000, "ts":  
1728919759261000000 }
```

Example query

```
groupby username aggregate max(ts) as ts, max_by(ts, path) as path
```



Example output

username	path	ts
chris	/checkout	1728919759261000000

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