

multiplyInterval

Description

Returns an interval multiplied by a numeric factor, allowing extrapolation over time.

NOTE

Both integer and decimal factors are supported.

Syntax

Like many functions in DataPrime, `multiplyInterval` supports [two notations](#), **function** and **method** notation. These interchangeable forms allow flexibility in how you structure expressions.

Function notation

```
multiplyInterval(i: interval, factor: number): interval
```

Method notation

```
(i: interval).multiplyInterval(factor: number): interval
```

Arguments

Name	Type	Required	Description
i	interval	true	The interval to multiply
factor	number	true	The multiplier to apply to the interval

Example

Use case: Estimate total processing time for queued jobs

A document tracks how many jobs remain in the queue and the average time per job in seconds. Multiply the per-job interval by the number of jobs to calculate the total wait time.

```
{  
  "jobs_in_queue": 25,
```

```
"time_per_job_seconds": 30
}
```

Example query

Function notation

```
create overall_wait_time from toInterval(time_per_job_seconds,
's').multiplyInterval(jobs_in_queue)
```

Method notation

```
create overall_wait_time from
time_per_job_seconds.toInterval('s').multiplyInterval(jobs_in_queue)
```

Example output

```
{
  "jobs_in_queue": 25,
  "time_per_job_seconds": 30,
  "overall_wait_time": "12m30s"
}
```

🕒 Last updated: October 19, 2025

Was this helpful?

Leave your feedback here.

☐ Yes ☐ No

Send

