

avgif

Synopsis

Calculates the average of the values in a specified column of the search query results based on a query to be executed on the record.

Syntax

```
avgif [column_name] "[search_query]"
```

Required Arguments

column_name

Syntax: <character string>

Description: The name of a column header that has numeric values

search_query

Syntax: <character string>

Description: The search query to be executed on the record

Optional Arguments

None

Description

For each event in the search query results that has the specified column_name with a numeric value, adds the value to the cumulative sum, and when it has reached the last event, divides the cumulative sum by the number of events to get the average.

Examples

Example 1:

```
* in log.access | avgif Bytes Sent "status=200"
```

From the events in **access** log, returns the average of the values in column **Bytes Sent** only if the value of column **status** is **200**.

Example 2:

```
* in log.iis log | avgif time-taken "cs-host contains http" | group by sc-status
```

From the events in **log.iis** log that contain **http** in their **cs-host** column, returns the average of the values in column **time-taken**, grouped according to the value of the **sc-status** column.