BI / read / 1

BI 1
BI 2
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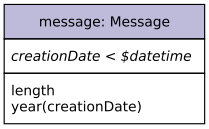
query	BI / read / 1
title	Posting summary
pattern	
desc.	Given a datetime, find all Messages created before that moment. Group them by a 3-level grouping: 1. by year of creation 2. for each year, group into Message types: is Comment or not 3. for each year-type group, split into four groups based on length of their content • `0`: 0 ≤ length < 40 (short) • `1`: 40 ≤ length < 80 (one liner) • `2`: 80 ≤ length < 160 (tweet) • `3`: 160 ≤ length (long)
params	1 `datetime` DateTime — For later microbatches, later `datetime` parameters are selected keep the variance low (<0.5%)
result	1 `year` 32-bit Integer R `year(message.creationDate)` 2 `isComment` Boolean M True for Comments, False for Posts 3 `lengthCategory` 32-bit Integer C `0` for short, `1` for one-liner, `2` for tweet, `3` for long 4 `messageCount` 32-bit Integer A Total number of Messages in that group 5 `averageMessageLength` 32-bit Float A Average length of the Message content in that group 6 `sumMessageLength` 32-bit Integer A Sum of all Message content lengths 7 `percentageOfMessages` 32-bit Float A Number of Messages in group as a percentage of all messages created before the given date
sort	1 `year` ↓ 2 `isComment` ↑ False < True, i.e. Posts come first and Comments second 3 `lengthCategory` ↑ order based on the `lengthCategory` value
limit	n/a
CPs	1.2, 3.2, 4.1, 4.2, 8.5