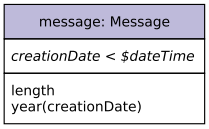
BI / read / 1

BI 1
BI 2
BI 3
BI 4
BI 5
BI 6
BI 7
BI 8
BI 9
BI 10
BI 11
BI 12
BI 13
BI 14
BI 15
BI 16
BI 17
BI 18
BI 19
BI 20

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 Integer	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

CPs	1.2, 3.2, 4.1, 4.2, 8.5