

BI / read / 2

query	BI / read / 2				
title	Tag evolution				
pattern	<pre>classDiagram class TagClass { name = \$tagClass } class Tag { name } class Message { creationDate in [\$date, \$date+100 days) } class Message2 { creationDate in [\$date+100 days, \$date+200 days) } TagClass < -- Tag Tag --> TagClass : hasType Tag --> Message : «opt» hasTag Tag --> Message2 : «opt» hasTag Message --> Tag : countWindow1 = count(message) Message2 --> Tag : countWindow2 = count(message)</pre>				
description	Find the Tags under a given \$tagClass that were used in Messages during in the 100-day time window starting at \$date and compare it with the 100-day time window that follows. For the Tags and for both time windows, compute the count of Messages.				
params	1	\$date	Date	Based on the creation day – TagClass – number of Messages factor table: (a) A flashmob date (b) A non-flashmob date	
	2	\$tagClass	Long String	For both (a) and (b), TagClasses with a similar amount of Messages are selected	
result	1	tag.name	Long String	R	
	2	countWindow1	32-bit Integer	A	Occurrences of the tag during the first time window
	3	countWindow2	32-bit Integer	A	Occurrences of the tag during the second time window
	4	diff	32-bit Integer	A	Absolute difference of countWindow1 and countWindow2
sort	1	diff	↓		
	2	tag.name	↑		
limit	100				
CPs	2.4, 3.1, 3.2, 4.1, 4.2, 4.3, 5.3, 6.1, 8.2, 8.5				