

BI / read / 2

BI 1	query	BI / read / 2		
BI 2	title	Tag evolution		
BI 3	pattern	<pre> classDiagram class TagClass { name = \$tagClass } class tagTag { name } class Message1 { message: Message creationDate in [\$date, \$date+100 days) } class Message2 { message: Message creationDate in [\$date+100 days, \$date+200 days) } TagClass --> tagTag : hasType tagTag --> Message1 : «opt» hasTag tagTag --> Message2 : «opt» hasTag </pre>		
BI 4	desc.	Find the Tags under a given TagClass that were used in Messages during in the 100-day period starting at date and compare it with the 100-day period that follows. For the Tags and for both months, compute the count of Messages.		
BI 5	params	1	date	Date
BI 6		2	tagClass	Long String
BI 7		TagClasses with a similar amount of Messages are selected		
BI 8	result	1	tag.name	Long String
BI 9		2	countWindow1	32-bit Integer
BI 10		3	countWindow2	32-bit Integer
BI 11		4	diff	32-bit Integer
BI 12		R		
BI 13		Occurrences of the tagClass during the first time window		
BI 14		Occurrences of the tagClass during the second time window		
BI 15		Absolute difference of countWindow1 and countWindow2		
BI 16	sort	1	diff	↓
BI 17		2	tag.name	↑
BI 18	limit	100		
BI 19	CPs	2.4, 3.1, 3.2, 4.1, 4.2, 4.3, 5.3, 6.1, 8.2, 8.5		
BI 20				