

## BI / read / 17

BI 1	query	BI / read / 17		
BI 2	title	Information propagation analysis		
BI 3	pattern			
BI 4				
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BI 16				
BI 17	desc.	<p>This query aims to identify instances of “information propagation” when a Person (person1) submits a Message (message1) with a given Tag (tag) to a Forum (forum1). This is read by other members of forum1, Persons person2 and person3. Some time later (specified by the delta parameter), these persons have a discussion with the same tag in a different Forum (forum2) where person1 is not a member. The discussion consists of a Message (message2) by person2 and a direct reply Comment (comment) by person3.</p>		
BI 18		Return IDs of person1 with the number of interactions their Messages (might have) caused.		
BI 19				
BI 20				
params	1	tag	Long String	Tags with a similar amount of Messages are selected
	2	delta	32-bit Integer	Measured in hours, selected to be between 8 and 16 hours.
result	1	person1.id	ID	R
	2	messageCount	32-bit Integer	A
sort	1	person1.id	↑	
CPs	2.1, 2.3, 8.1			