

## BI / read / 17

query	BI / read / 17														
title	Information propagation analysis														
pattern															
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> <p>Return IDs of person1 with the number of interactions their Messages (might have) caused.</p>														
params	<table><tr><td>1</td><td>tag</td><td>Long String</td><td colspan="2">Tags with a similar amount of Messages are selected</td></tr><tr><td>2</td><td>delta</td><td>32-bit Integer</td><td colspan="2">Measured in hours, selected to be between 8 and 16 hours.</td></tr></table>	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.					
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	<table><tr><td>1</td><td>person1.id</td><td>ID</td><td>R</td><td></td></tr><tr><td>2</td><td>messageCount</td><td>32-bit Integer</td><td>A</td><td></td></tr></table>	1	person1.id	ID	R		2	messageCount	32-bit Integer	A					
1	person1.id	ID	R												
2	messageCount	32-bit Integer	A												
sort	<table><tr><td>1</td><td>messageCount</td><td>↓</td><td></td></tr><tr><td>2</td><td>person1.id</td><td>↑</td><td></td></tr></table>	1	messageCount	↓		2	person1.id	↑							
1	messageCount	↓													
2	person1.id	↑													
limit	10														
CPs	2.1, 2.3, 8.1														