

BI / read / 17

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

query	BI / read / 17												
title	Information propagation analysis												
pattern													
description	<p>This query aims to identify instances of “information propagation” when a Person (<i>person1</i>) submits a Message (<i>message1</i>) with a given <i>\$tag</i> to a Forum (<i>forum1</i>). This is read by other members of <i>forum1</i>, Persons <i>person2</i> and <i>person3</i> (who must be different Persons). Some time later (specified by the <i>\$delta</i> parameter), these persons have a discussion with the same <i>\$tag</i> in a different Forum (<i>forum2</i>) where <i>person1</i> is not a member. The discussion consists of a Message (<i>message2</i>) by <i>person2</i> and a direct reply Comment (<i>comment</i>) by <i>person3</i>.</p> <p>Return IDs of <i>person1</i> with the number of interactions their Messages (might have) caused.</p>												
params	<table border="1"> <tr> <td>1</td> <td><i>\$tag</i></td> <td>Long String</td> <td>Tags with a similar amount of Messages are selected</td> </tr> <tr> <td>2</td> <td><i>\$delta</i></td> <td>32-bit Integer</td> <td>Measured in hours, selected to be between 8 and 16 hours.</td> </tr> </table>	1	<i>\$tag</i>	Long String	Tags with a similar amount of Messages are selected	2	<i>\$delta</i>	32-bit Integer	Measured in hours, selected to be between 8 and 16 hours.				
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2	<i>\$delta</i>	32-bit Integer	Measured in hours, selected to be between 8 and 16 hours.										
result	<table border="1"> <tr> <td>1</td> <td><i>person1.id</i></td> <td>ID</td> <td>R</td> <td></td> </tr> <tr> <td>2</td> <td><i>messageCount</i></td> <td>32-bit Integer</td> <td>A</td> <td></td> </tr> </table>	1	<i>person1.id</i>	ID	R		2	<i>messageCount</i>	32-bit Integer	A			
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2	<i>messageCount</i>	32-bit Integer	A										
sort	<table border="1"> <tr> <td>1</td> <td><i>messageCount</i></td> <td>↓</td> <td></td> </tr> <tr> <td>2</td> <td><i>person1.id</i></td> <td>↑</td> <td></td> </tr> </table>	1	<i>messageCount</i>	↓		2	<i>person1.id</i>	↑					
1	<i>messageCount</i>	↓											
2	<i>person1.id</i>	↑											
limit	10												
CPs	2.1, 2.3, 2.5, 2.6, 8.1												