

BI / read / 18

BI 1
BI 2
BI 3
BI 4
BI 5
BI 6
BI 7
BI 8
BI 9
BI 10
BI 11
BI 12
BI 13
BI 14
BI 15
BI 16
BI 17
BI 18
BI 19
BI 20

query	BI / read / 18				
title	Friend recommendation				
pattern	<div><div>For each person1 compute top-k(person2) based on mutualFriendCount</div><pre>graph LR person1: Person -- knows --> Person Person -- knows --> person2: Person person2: Person -- hasInterest --> tag: Tag person1 -. «neg» knows .-> person2 person1 -- id = \$person1Id Person -- mutualFriendCount = count(*) tag -- name = \$tag</pre></div>				
desc.	<p>For a given Person (person1) and a Tag (tag), recommend new friends (person2) who</p> <ul style="list-style-type: none">• do not yet know person1• have many mutual friends with person1• are interested in tag. <p>Rank Persons person2 based on the number of mutual friends.</p>				
params	<div><div>1</div>person1Id</div>	ID	Persons with a similar amount of friends are selected		
	<div><div>2</div>tag</div>	Long String	Tags with a similar amount of Messages are selected		
result	<div><div>1</div>person2.id</div>	ID	R		
	<div><div>2</div>mutualFriendCount</div>	32-bit Integer	A		
sort	<div><div>1</div>mutualFriendCount</div>	↓			
	<div><div>2</div>person2.id</div>	↑			
limit	20				
CPs	2.5, 8.1				