

BI / read / 18

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|---------|--|----------------|---|--|--|
| 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[person1: Person] -- knows --> Person[Person] Person -- knows --> person2[person2: Person] person2 -- hasInterest --> tag[tag: Tag] tag -- "name = \$tag" --> tag person1 -. "«neg» knows" .-> person2</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 | | | | |