

BI / read / 10

query	BI / read / 10																													
title	Experts in social circle																													
pattern																														
desc.	<p>Given a Person (startPerson), find all other Persons (expertCandidatePerson) that live in a given Country and are connected to given Person by a <i>shortest path</i> with length in range [minPathDistance, maxPathDistance] through the knows relation.</p> <p>For each of these expertCandidatePerson nodes, retrieve all of their Messages that contain at least one Tag belonging to a given TagClass (direct relation not transitive). For each Message, retrieve all of its Tags.</p> <p>Group the results by Persons and Tags, then count the Messages by a certain Person having a certain Tag.</p>																													
params	<table><tr><td>1</td><td>personId</td><td>ID</td><td colspan="2">The ID of the startPerson. Persons with a similar degree of knows edges are selected</td></tr><tr><td>2</td><td>country</td><td>String</td><td colspan="2">Countries with a similar number of Persons are selected</td></tr><tr><td>3</td><td>tagClass</td><td>Long String</td><td colspan="2">TagClasses with a similar degree of hasType edges are selected</td></tr><tr><td>4</td><td>minPathDistance</td><td>32-bit Integer</td><td colspan="2">1 or 2</td></tr><tr><td>5</td><td>maxPathDistance</td><td>32-bit Integer</td><td colspan="2">2 or 3</td></tr></table>	1	personId	ID	The ID of the startPerson. Persons with a similar degree of knows edges are selected		2	country	String	Countries with a similar number of Persons are selected		3	tagClass	Long String	TagClasses with a similar degree of hasType edges are selected		4	minPathDistance	32-bit Integer	1 or 2		5	maxPathDistance	32-bit Integer	2 or 3					
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CPs	1.2, 1.3, 2.3, 2.4, 3.3, 5.3, 7.1, 7.2, 7.3, 8.1, 8.6																													