BI / read / 2

BI 1
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query	BI / read / 2
title	Top tags for country, age, gender, time

pattern	

pattern diagram contents:

- country: Country — name = $country1 or name = $country2 — name
- isPartOf
- City
- isLocatedIn
- person: Person — gender, birthday
- hasCreator
- tag: Tag — name
- hasTag
- messageCount = count
- message: Message — creationDate >= $date1 and creationDate <= $date2 — month(creationDate)
- messageCount > 100

desc.	Select all Messages created in the range of [startDate, endDate] by Persons located in country1 or country2. Select the creator Persons and the Tags of these Messages. Split these Persons, Tags and Messages into a 5-level grouping:

1. name of country of Person,
2. month the Message was created,
3. gender of Person,
4. age group of Person, defined as years between person's birthday and end of simulation (2013-01-01), divided by 5, rounded down (partial years do not count),
5. name of tag attached to Message.

Consider only those groups where number of Messages is greater than 100.

params

1	startDate	Date	
2	endDate	Date	
3	country1	String	
4	country2	String	

result

1	country.name	String	R	
2	messageMonth	32-bit Integer	R	1–12
3	person.gender	String	R	male or female
4	ageGroup	32-bit Integer	C	
5	tag.name	String	R	
6	messageCount	64-bit Integer	A	The number of messages in the group

sort

1	messageCount	↓	
2	tag.name	↑	
3	ageGroup	↑	
4	person.gender	↑	
5	messageMonth	↑	
6	country.name	↑	

limit	100
CPs	1.1, 1.2, 1.3, 2.1, 2.3, 3.1, 3.2, 8.2, 8.5