

BI / read / 13

query	BI / read / 13			
title	Popular Tags per month in a country			
pattern	<div><div>Country</div><div>name = \$country</div></div> <div><div>Message</div><div>year(creationDate) month(creationDate)</div></div> <div><div>tag: Tag</div></div> <div>isLocatedIn</div> <div>hasTag</div>			
desc.	Find all <i>Messages</i> in a given <i>Country</i> , as well as their <i>Tags</i> . Group <i>Messages</i> by creation year and month. For each group, find the 5 most popular <i>Tags</i> , where popularity is the number of <i>Messages</i> (from within the same group) where the <i>Tag</i> appears.			
params	<div><div>1</div><div>country</div><div>String</div><div></div></div>			
result	<div><div><div>1</div><div>year</div><div>32-bit Integer</div><div>C</div><div>year(message.creationDate)</div></div><div><div>2</div><div>month</div><div>32-bit Integer</div><div>C</div><div>month(message.creationDate)</div></div><div><div>3</div><div>popularTags</div><div>TagPairs</div><div>C</div><div>(tag.name - String, popularity - 32-bit Integer), sorted descending by popularity, then ascending by tag name</div></div></div>			
sort	<div><div><div>1</div><div>year</div><div>↓</div><div></div></div><div><div>2</div><div>month</div><div>↑</div><div></div></div></div>			
limit	100			
CPs	1.2, 2.2, 2.3, 3.2, 6.1			