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Why Cypher query returns a null value in average function?







2

I am working with a Neo4j (2.2.0 M2) embedded graph application. For query this graph I use the Cypher way, using the GraphDatabaseService class and its method execute(query, params), wich returns a org.neo4j.graphdb.Result instance. The problem is when I use a aggregated function (avg) in the query:



```
MATCH
(e:Person {person_id: {id} }) <-[:ASIGNED_T0]-(t:Task)
WHERE t.start_date >= {cuttof_date}
RETURN AVG(t.estimated_time) as avgte
```

For briefly understand of this query: id and cuttof_date are parameters I put then in a Mapset, last of them is a date in UTC (long) and comparable. The result of this query, using the Neo4j browser manager, and giving some values to the specified parameters, is the following:

avgte

6.16666666666667

Returned 1 row in 665 ms.

Perfect!, now, when I expect the same result using Cypher in the Java code (I have avoided "try", and "with resources"):

The result is: "AVGTE: null". How can this be possible!? Also I've used other classes like ExtendedExecutionResult , and ExecutionResult from org.neo4j.cypher package , but also returns the same output. The problem is not the Query, it works perfectly so I think it is when using the Cypher classes, it doesn't load the value of the aggregated function.

asked 4 months ago

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1 Are you sure DB_NAME points correctly to your database? If the database folder doesn't exists neo4j will silently create empty database, hence your null result. – frant.hartm Mar 27 at 17:28

Yeap, everything about database configuration is OK. The DB_NAME var contains a correctly String with the specified database location. Also, with this same codel have executed another queries, and they work. – Rigoberto Peña Mar 27 at 19:10

Thanks @frant.hartm, that was the problem, an empty database creation. - Rigoberto Peña Mar 29 at 15:52

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2 Answers

Perhaps you have an node without estimated_time property in your db?

Try to return t or t.estimated_time to see the raw data

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answered Mar 28 at 21:26

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Michael, first of all thanks for your answer, really I was expecting it. trying you solution I found a empty resultset. That doesn't solve my problem, but I release that the graph database was empty. As @frant.hartm said a empty database was created, and consequently a null response. Creating a new project, and checking every step, the result of avg function did work perfectly!! The problem: bad location of graph database. I think Neo4j Community must fix this kind of database creation to prevent this issue. – Rigoberto Peña Mar 29 at 15:45

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My bad: creating a empty database. The snipet code: DB_NAME takes the following value: "gespro_graph_db"







It works if the graph database location is in the same project path, but it is in folder structure like this: /project_path/gespro_graph/gespro_graph_db/, where last folder is the real location. My project was pointing to /project_path/gespro_graph_db, and this is empty.

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answered Mar 29 at 15:51
Rigoberto Peña
53 • 5

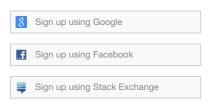
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