

# Trabalho Neo4J

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## Carregar o Banco com os Scripts:

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### 1-Load\_Matches\_neo4j.txt

Added 1075 labels, created 1075 nodes, set 5726 properties, created 5443 relationships, completed after 2177 ms.

### 2-Load\_Squads\_neo4j.txt

Added 7213 labels, created 7213 nodes, set 14035 properties, created 9385 relationships, completed after 28782 ms.

### 3-Load\_LineUps\_neo4j.txt

Created 33937 nodes, created 67874 relationships, completed after 35696 ms.

### 4-Load\_Events\_neo4j.txt

Added 150 labels, created 204 nodes, set 408 properties, created 204 relationships, completed after 2359 ms.

## Elaborar consultas para:

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### Estádios com mais gols

#### Query

```
MATCH (p:Partida)-[:DISPUTADA_NO]->(e:Estadio)
RETURN e.nome as estadio,
       SUM(toInteger(p.placar_casa)) +
       SUM(toInteger(p.placar_visitante)) AS gols
ORDER BY gols DESC
```

## Resultado

neo4j@bolt://localhost:7687 - Neo4j Browser

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\$ MATCH (p:Partida)-[:DISPUTADA\_NO]->(e:Estadio) RETURN e.nome a...

estadio	gols
"Mexico City / Estadio Azteca"	52
"Basel / St. Jakob"	44
"Montevideo / Centenario"	44
"Leon / Nou Camp - Estadio León"	42
"Guadalajara / Jalisco"	39
"Paris / Parc des Princes"	32
"Cordoba / Estadio Olímpico Chateau Carreras"	32
"Rio De Janeiro / 'Maracanã - Estádio Jornalista Mário Filho"	29
"Arica / Carlos Dittborn"	28
"Zurich / Hardturm"	28
"Bordeaux / Stade du Parc Lescure"	27
"Solna / Rasunda Stadium"	27
"Santiago De Chile / Nacional"	26
"Marseilles / Stade Vélodrome"	25
"Toulouse / Stade Municipal"	24

Started streaming 175 records after 5 ms and completed after 5 ms.

## Jogadores que participaram em mais do que uma copa

### Query

```
MATCH (j:Jogador)-[:JOGOU_POR]->(s:Selecao)
WITH j.nome AS nome, COUNT(*) AS convocacoes
WHERE convocacoes > 1
RETURN nome, convocacoes
ORDER BY convocacoes DESC
```

Resultado

neo4j@bolt://localhost:7687 - Neo4j Browser

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\$ MATCH (j:Jogador)-[:JOGOU\_POR]->(s:Selecao) WITH j.nome AS nom...

Table

Text

Code

nome	convocacoes
"Antonio Carbajal"	5
"Lothar Matthaeus"	5
"Jorge Campos"	5
"Luis Marin"	4
"Nilton Santos"	4
"Castilho"	4
"Djalma Santos"	4
"Pelé"	4
"Dida"	4
"Bobby Charlton"	4
"Uwe Seeler"	4
"Karl-heinz Schnellinger"	4
"Lev Yashin"	4
"Enrico Albertosi"	4
"Gianni Rivera"	4

Started streaming 1477 records after 23 ms and completed after 24 ms, displaying first 1000 rows.