

Query Editor

Query History

1

select * from getAvgScoreOfleague('2008/2009') ORDER BY league_name;

Data Output

Explain

Messages

Notifications

	league_name text	avg_score numeric
1	Belgium Jupiler League	2.7941176470588235
2	England Premier League	2.4789473684210526
3	France Ligue 1	2.2578947368421053
4	Germany 1. Bundesliga	2.9215686274509804
5	Italy Serie A	2.6000000000000000
6	Netherlands Eredivisie	2.8431372549019608
7	Poland Ekstraklasa	2.1833333333333333
8	Portugal Liga ZON Sagres	2.3000000000000000
9	Scotland Premier League	2.4035087719298246
10	Spain LIGA BBVA	2.8973684210526316
11	Switzerland Super League	3.0000000000000000

Query Editor

Query History

1

select * from getAvgScoreOfleague('2015/2016') ORDER BY league_name;

Data Output

Explain

Messages

Notifications

	league_name text	avg_score numeric	
1	Belgium Jupiler League	2.8916666666666667	
2	England Premier League	2.7000000000000000	
3	France Ligue 1	2.5263157894736842	
4	Germany 1. Bundesliga	2.8300653594771242	
5	Italy Serie A	2.5763157894736842	
6	Netherlands Eredivisie	2.9803921568627451	
7	Poland Ekstraklasa	2.6458333333333333	
8	Portugal Liga ZON Sagres	2.7156862745098039	
9	Scotland Premier League	2.8508771929824561	
10	Spain LIGA BBVA	2.7447368421052632	
11	Switzerland Super League	3.1444444444444444	

08/09 和 15/16 场均进球还是有规律可循

```
1 select * from getRatioOfValueToWage(75,50);
```

Data Output Explain Messages Notifications

	team_name text	ratio numeric
1	Derby County	75.0000000000
2	Middlesbrough	115.3846153846
3	Fenerbahçe SK	130.5655836342
4	Nottingham Fore...	132.6530612245
5	Club América	136.0544217687
6	Rangers FC	143.3121019108
7	West Ham United	150.7462686567
8	Newell's Old Boys	157.1428571429
9	Monterrey	158.7628865979
10	Everton	159.5518867925
11	Tigres U.A.N.L.	162.3853211009
12	Leeds United	166.6666666667
13	Bournemouth	166.7249417249
14	Parma	168.1647940075
15	Club Atlético Ba...	168.7500000000
16	Arsenal	170.2613023642

对于能力值 75 及以上的球员，德比郡的性价比是最低的。（2019 年数据，即 update）

Query Editor

Query History

1

select * from getRelationBetweenHeightAndPotential(1993,1998,2016);

Data Output

Explain

Messages

Notifications

	height integer	avg_potential numeric	
1	163	71.00	
2	165	76.78	
3	168	78.91	
4	170	76.82	
5	173	76.92	
6	175	75.39	
7	178	75.40	
8	180	75.64	
9	183	75.60	
10	185	75.59	
11	188	75.89	
12	190	75.15	
13	193	75.53	
14	196	78.44	
15	198	72.33	
16	201	70.00	
17	203	70.00	

出生在 1993 到 1998 年间，根据 2016 年的数据（player_attributes）身高和平均潜力的关系，大致还是有个规律，足球运动员在 170 左右的可能潜力更高一些。

```
In [20]: %%sql
select * from getTopPotentialTeam_V2(75,10);

* postgresql+psycopg2://jf58:***@ricedb-jf58sc122
10 rows affected.
```

```
Out[20]:
```

team_name	avg_over_rating
FC Barcelona	84.36
Real Madrid	84.27
Guangzhou Evergrande Taobao FC	84.00
FC Bayern München	83.95
Juventus	83.86
Manchester City	83.77
Atlético Madrid	83.45
Paris Saint-Germain	83.15
Chelsea	82.25
Liverpool	82.05

对于能力值 75 及以上的球员, 巴萨和皇马的球员能力值位居前二, 符合实际(2019 年数据, 即 update)

```
[21]: %%sql
select * from numberOfTopPlayerByCountry_rating(80);

* postgresql+psycopg2://jf58:***@ricedb-jf58sc122.cz
7 rows affected.
```

```
[21]:
```

country_name	number_player
England	121
Italy	90
Spain	82
Germany	51
France	41
Portugal	14
Netherlands	11

对于能力值 80 以上且在数据库中给出的国家的联赛中踢球的球员的分布。(2019 年数据即 update)

```
In [23]: %%sql
select * from numberOfTopPlayerByCountry_topValue(100);

* postgresql+psycopg2://jf58:***@ricedb-jf58sc122.czhrx2si
7 rows affected.
```

```
Out[23]:
```

country_name	number_player
England	40
Italy	22
Spain	21
France	12
Germany	2
Netherlands	2
Portugal	1

身价前 100 的球员在数据库中给出的国家踢球的分布。英格兰超级联赛的球员身价普遍虚高，符合实际 (2019 年数据)

```
In [26]: %%sql
SELECT * FROM predictWinner_V2(3,'Liverpool','Arsenal')

* postgresql+psycopg2://jf58:***@ricedb-jf58sc122.czhrx2si
1 rows affected.
```

```
Out[26]: predictwinner_v2
          Liverpool
```

```
In [27]: %%sql
SELECT * FROM predictWinner_V2(3,'Arsenal','Liverpool')

* postgresql+psycopg2://jf58:***@ricedb-jf58sc122.czhrx2si
1 rows affected.
```

```
Out[27]: predictwinner_v2
          Arsenal
```

如果利物浦是主场，阿森纳是客场，那么看过去三场的交手记录，利物浦会是赢家，如果阿森纳是主场，利物浦是客场，那么阿森纳会是赢家（两支球队实力其实非常接近，主客场优势影响）（2008-2016match 数据）