




Best footballers 2023

Wiktor Nazaruk, Maksymilian Pek



Business domain

Our business domain is Football Player Performance Analytics, focusing on analyzing the performance metrics of football players during the 2022/2023 season. This domain is crucial for a variety of stakeholders, including football clubs, scouts, analysts and fans.





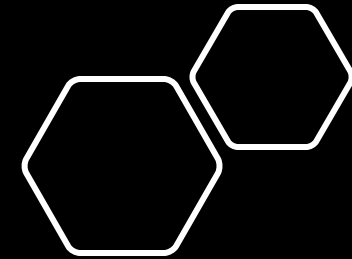
BALLON D'OR™

2023 MEN'S RANKING

1. **L. Messi (462 pts)**
2. E. Haaland (357 pts)
3. K. Mbappé (270 pts)
4. K. De Bruyne (100 pts)
5. Rodri (57 pts)
6. Vinicius Jr (49 pts)
7. J. Alvarez (28 pts)
8. V. Osimhen (24 pts)
9. B. Silva (20 pts)
10. L. Modric (19 pts)



#ballondor



Lionel Messi

- Club: Inter Miami
- National team: Argentina
- 42 goals
- 26 assists
- Date of birth: 24 June 1987
- Height: 1.7m
- Weight: 72kg



Achievements

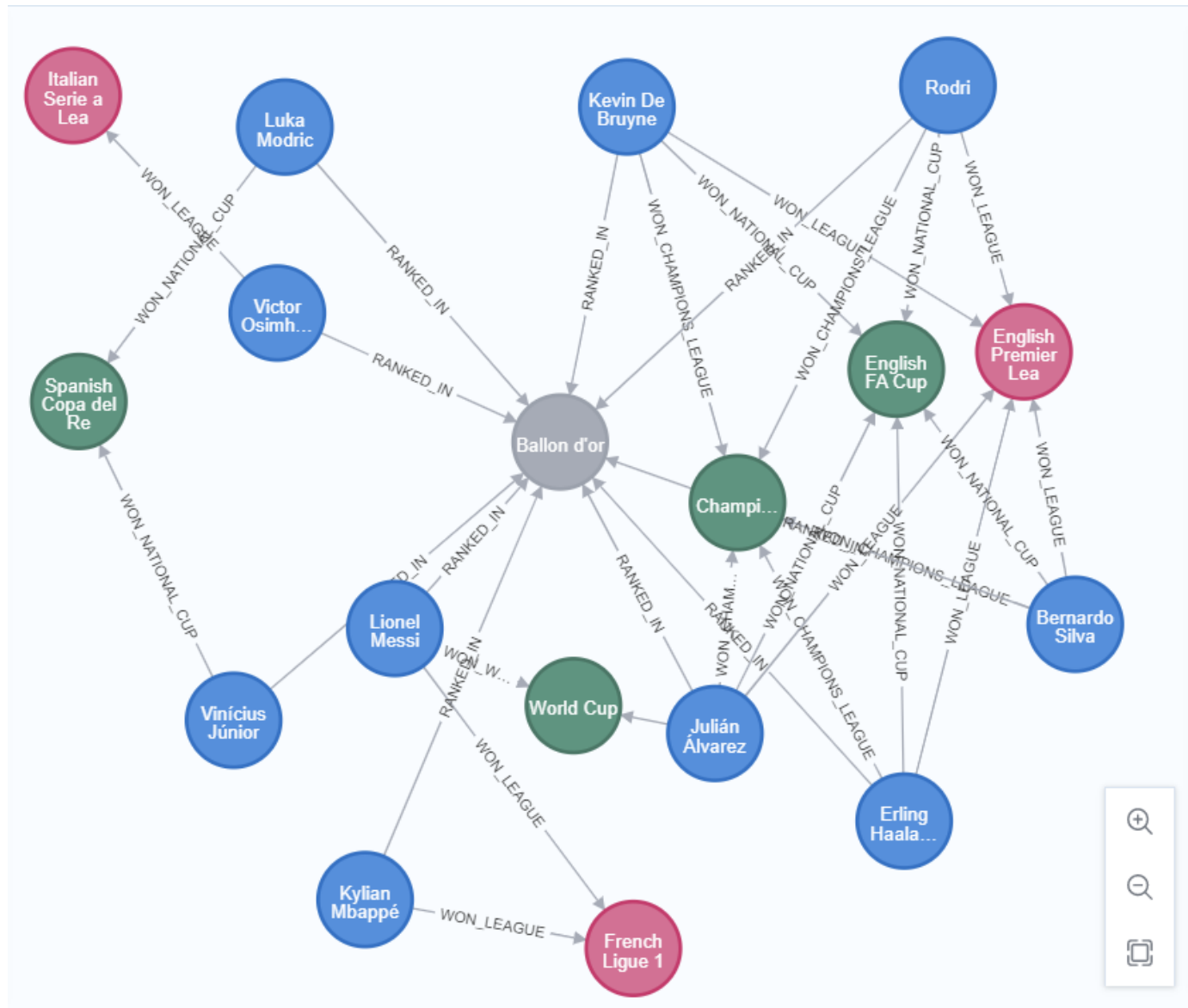
- League victory
- National Cup victory
- World Cup victory
- Champions league victory
- Ballon d'or award





Ballon d'Or

Final version of a graph



1. Players with the Most Goals in the Season

```
MATCH (n:player)
RETURN n.fullname AS player_with_the_most_goals, n.goals AS goals
ORDER BY n.goals DESC
LIMIT 1;
```

	player_with_the_most_goals	goals
1	"Erling Haaland"	56

2. Average Goals Scored by those players

```
MATCH (n:player)
RETURN avg(n.goals) AS average_number_of_goals_in_the_whole_season;
```

average_number_of_goals_in_the_whole_season
26.400000000000002

3. Top Scorer in the World Cup

```
MATCH (p:player)-[r:WON_WORLD_CUP]->(c:cup { name: 'World Cup' })
RETURN p.fullname AS name, r.number_of_goals AS goals
ORDER BY r.number_of_goals DESC
LIMIT 1;
```

name	goals
"Lionel Messi"	7

4. Three Oldest Players

```
MATCH (n:player)
RETURN n.fullname AS fullname, duration.between(n.date_of_birth, date()).years AS age
ORDER BY age DESC
LIMIT 3;
```

	fullname	age
1	"Luka Modric"	39
2	"Lionel Messi"	37
3	"Kevin De Bruyne"	33

5. Average Player Height

```
MATCH (n:player)
RETURN avg(n.official_height) AS average_height_of_the_players;
```

average_height_of_the_players
1.7910000000000001

6. Average Assists in Champions League

```
MATCH (p:player)-[r:WON_CHAMPIONS_LEAGUE]->(c:cup { name: 'Champions League' })  
RETURN avg(r.number_of_assists) AS avg_assists;
```

avg_assists
2.2

7. Top 3 Players by Combined Goals and Assists

```
MATCH (p:player)
OPTIONAL MATCH (p)-[r]->(c)
WHERE type(r) IN ['WON_LEAGUE', 'WON_NATIONAL_CUP', 'WON_CHAMPIONS_LEAGUE', 'WON_WORLD_CUP']
WITH p,
    sum(r.number_of_goals) + sum(r.number_of_assists) AS total_contributions,
    sum(r.number_of_goals) AS total_goals,
    sum(r.number_of_assists) AS total_assists
RETURN p.fullname, total_contributions, total_goals, total_assists
ORDER BY total_contributions DESC
LIMIT 3
```

p.fullname	total_contributions	total_goals	total_assists
"Erling Haaland"	60	51	9
"Lionel Messi"	42	23	19
"Kevin De Bruyne"	39	10	29

Data from

- [transfermarkt.com](https://www.transfermarkt.com)
- [eurosport.com](https://www.eurosport.com)
- [goal.com](https://www.goal.com)

