Evaluating Nathan's Potential

as a Left Wing Player Using FIFA 2017 Data

Carreon | Lucas | Peralta | Quipit

Nathan is an emerging Left Wing (LW) football player with promising potential. Here are Nathan's current stats:

- Ball Control: 85
- Dribbling: 88
- Crossing: 80
- Short Pass: 75
- Speed: 90

- Acceleration: 92
- Stamina: 85
- Agility: 89
- Finishing: 78
- Vision: 82

Introduction

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The "Complete FIFA 2017 Player Dataset (Global)" by Soumitra Agarwal on Kaggle includes data on over 17,000 players with more than 50 attributes each, sourced from EA Sports' FIFA series. It covers skills like ball control and aggression and features URLs to player homepages, club logos, and images for both male and female athletes. This dataset is ideal for football scouting and player performance analysis.

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Data Dictionary

Attribute	Description
Name	Name of the player
National_Position	Player's position in the national team
Club	Name of the player's club
Average_Rating	Average rating of all the players (1-99)
Avg_Ball_Control	Average rating of ball control (1-99)
Avg_Finishing	Average rating of finishing (1-99)
Avg_Dribbling	Average rating of dribbling (1-99)

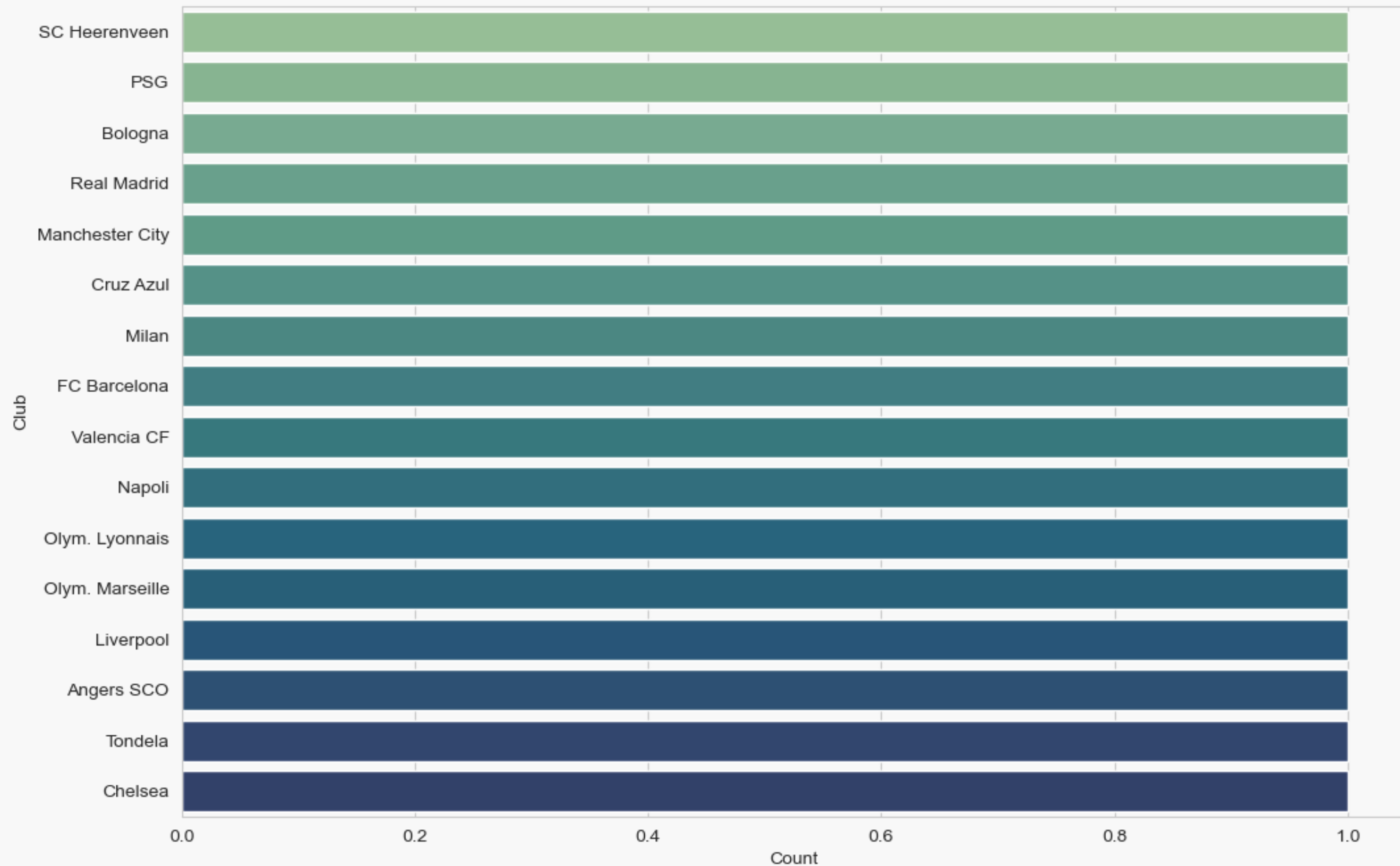| Attribute	Description
Avg_Crossing	Average rating of crossing (1-99)
Avg_Short_Pass	Average rating of short pass (1-99)
Avg_Speed	Average rating of speed (1-99)
Avg_Acceleration	Average rating of acceleration (1-99)
Avg_Stamina	Average rating of stamina (1-99)
Avg_Agility	Average rating of agility (1-99)
Avg_Vision	Average rating of vision (1-99)

How can Nathan's key performance attributes as a Left Wing (LW) player be optimized to align with the top football clubs, and which club offers the best environment for his development and success in elite football leagues?
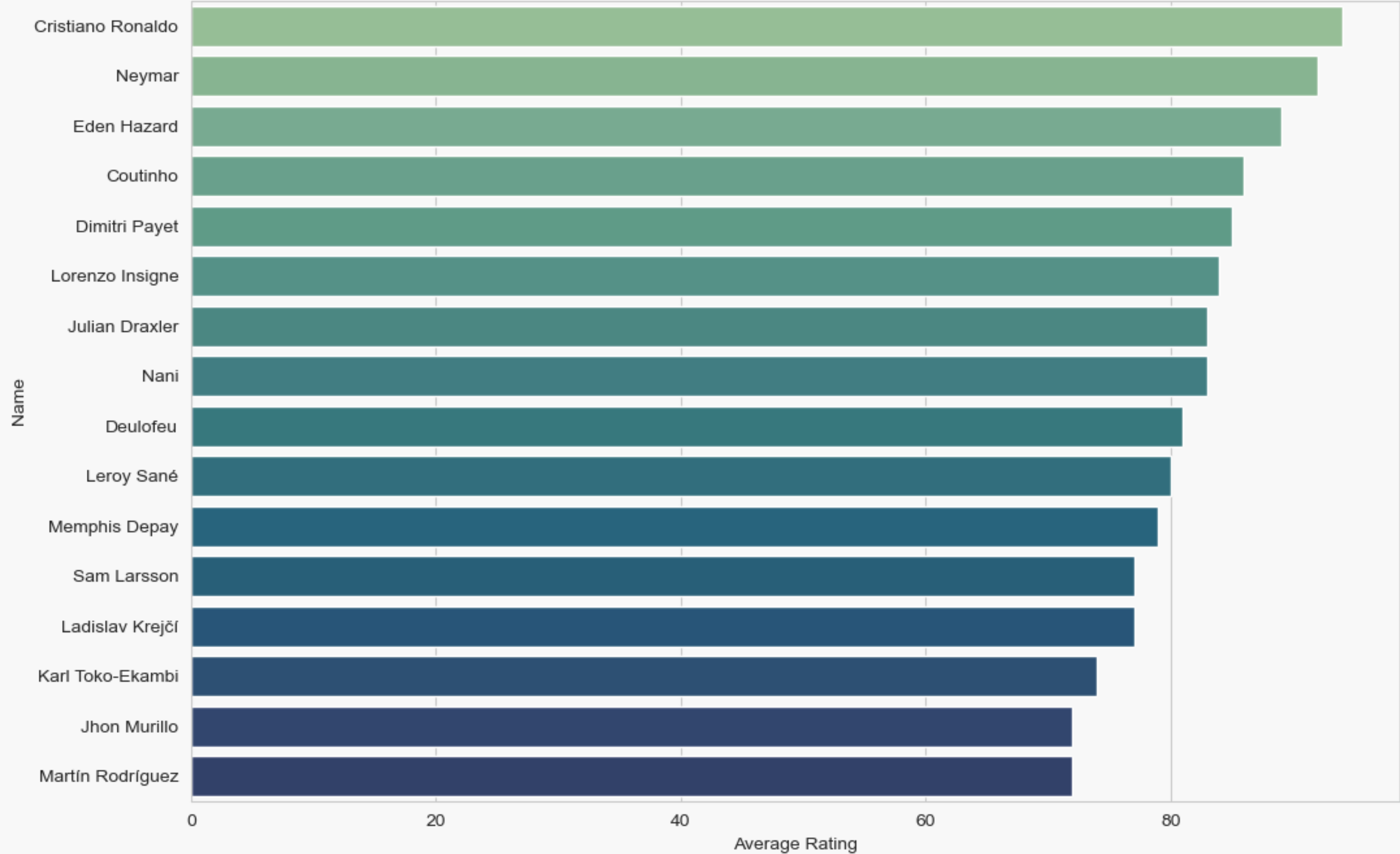
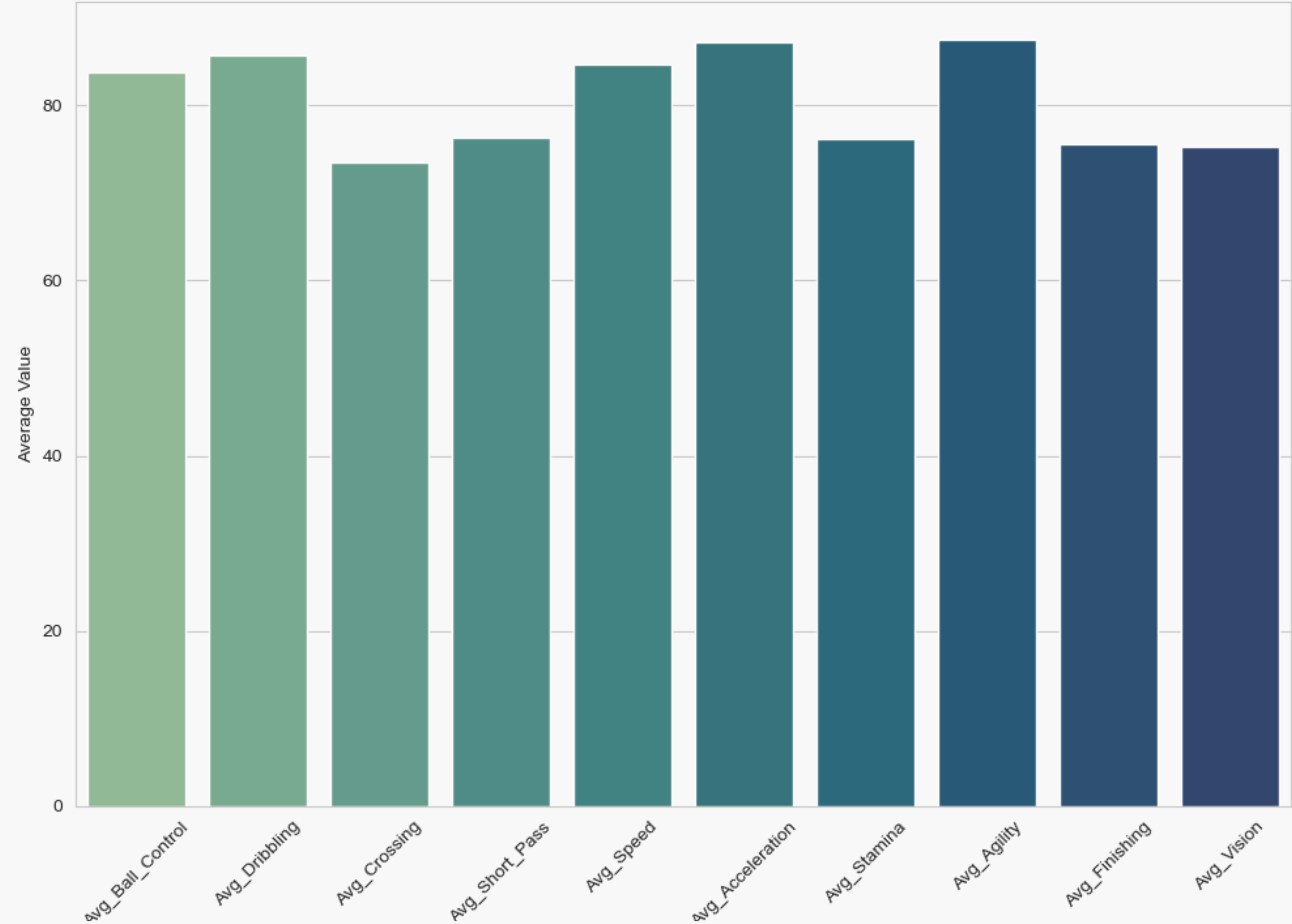# Number of Left Wing Players per club

Each football club has exactly one Left Wing (LW) player, indicating no club has more than one LW player.

Top Left Wing Players by Average Rating

It highlights **Cristiano Ronaldo and Neymar** as the top Left Wing (LW) players, with Ronaldo at nearly 99 and Neymar close behind at 95, showcasing their exceptional performance.
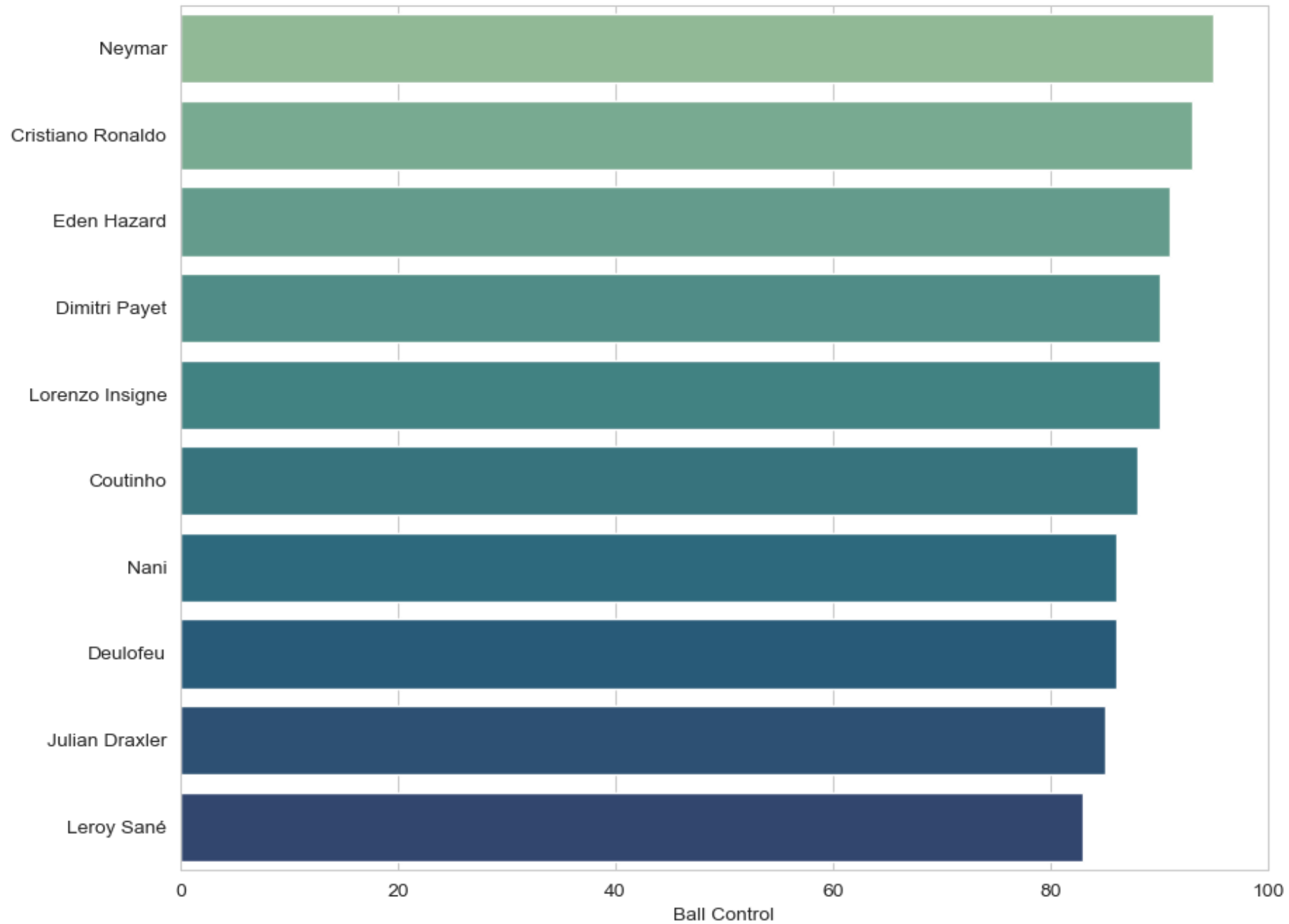
Average Attributes of Left Wing Players

It indicates that Left Wing (LW) players excel most in Acceleration and Agility, crucial for quick and nimble play, but perform least well in Crossing and Vision, important for accurate passing and strategic playmaking.

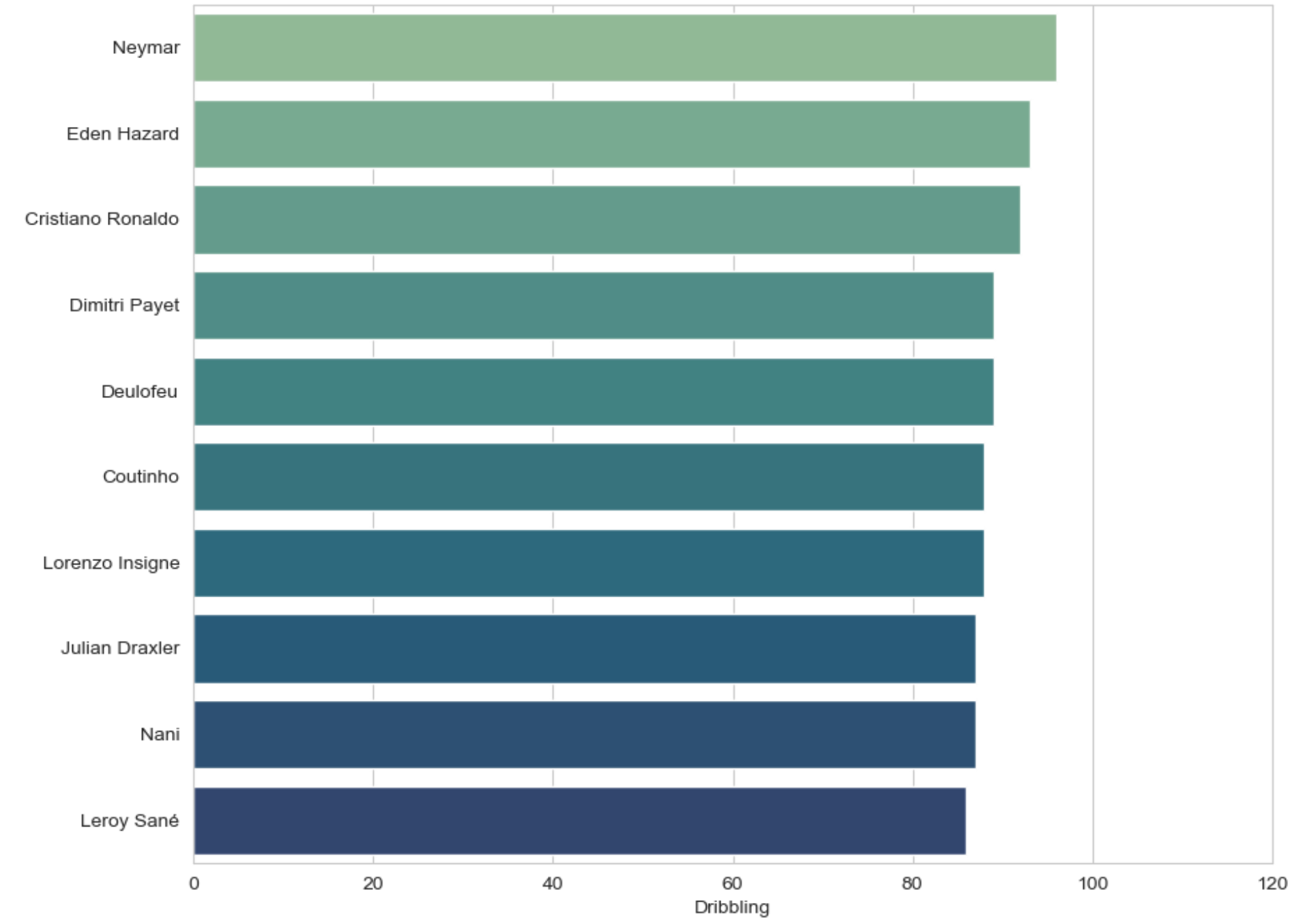# Top 10 Players by Ball Control and Dribbling

Neymar excels in both ball control and dribbling, indicating his exceptional possession skills and ability to maneuver around defenders.
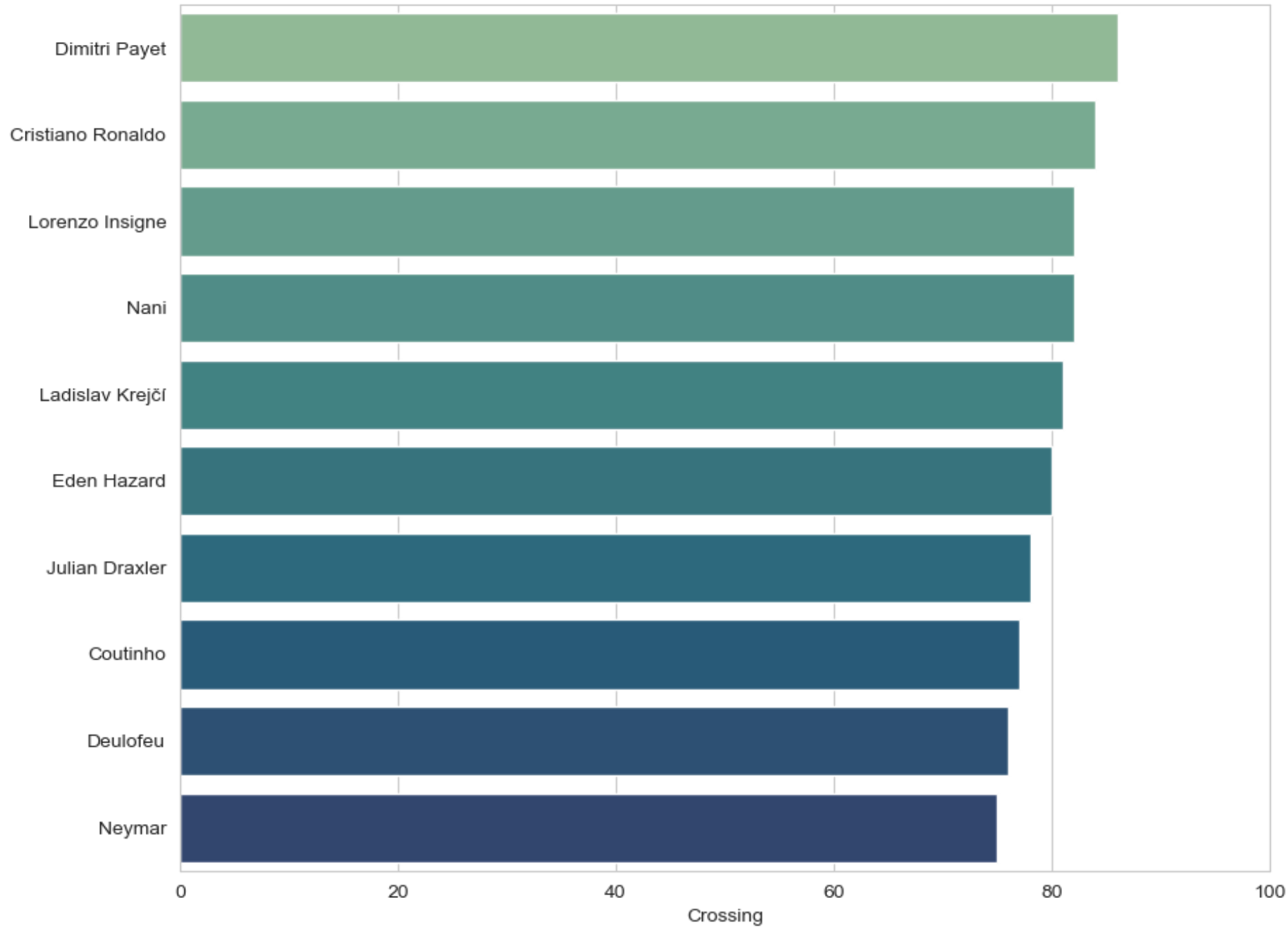

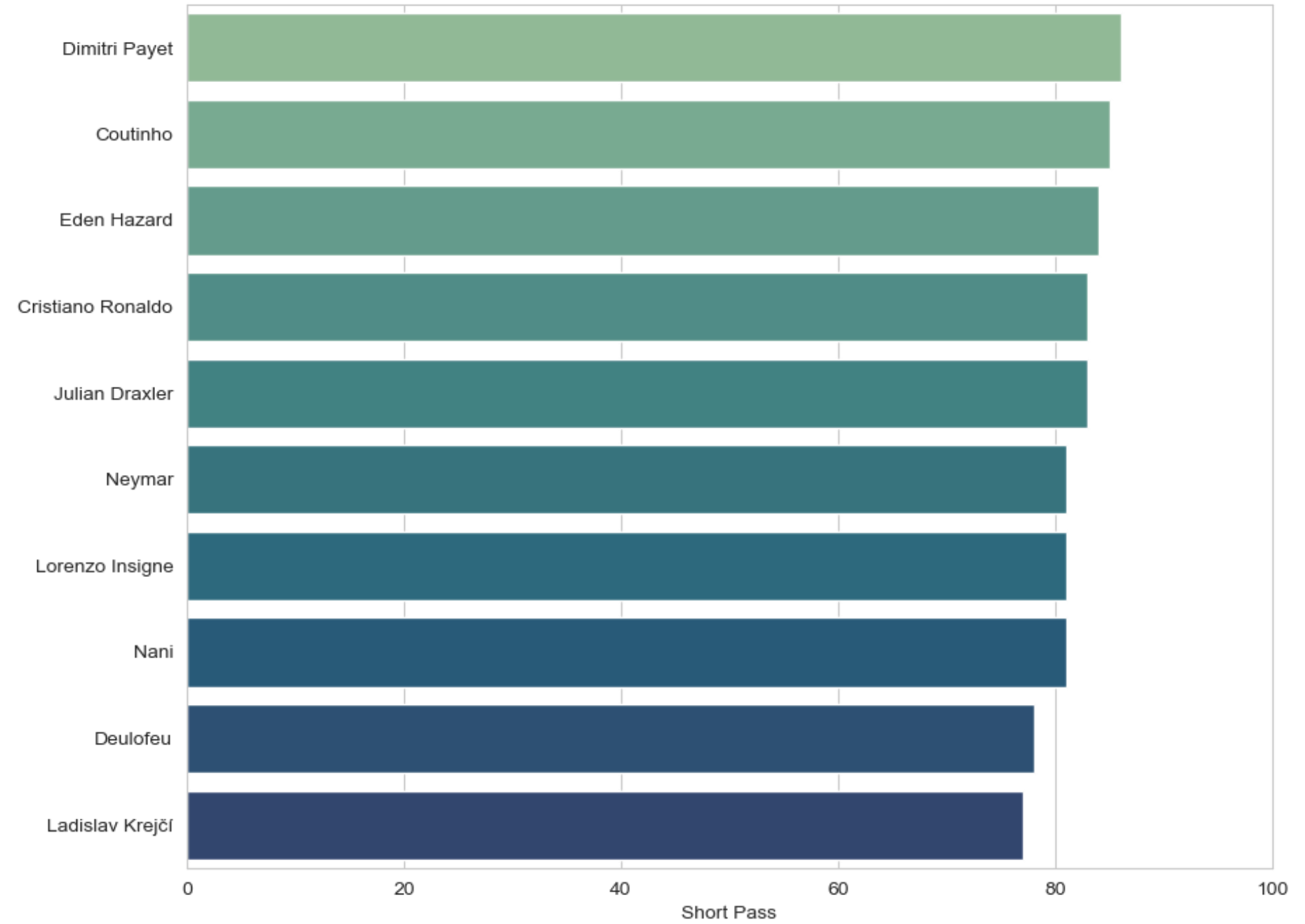Top 10 Players by Ball Control

Top 10 Players by Dribbling

Top 10 Players by Crossing and Short Pass

Dimitri Payet excels in Crossing and Short Pass, demonstrating his precision in delivering attacking passes and short-range passes.
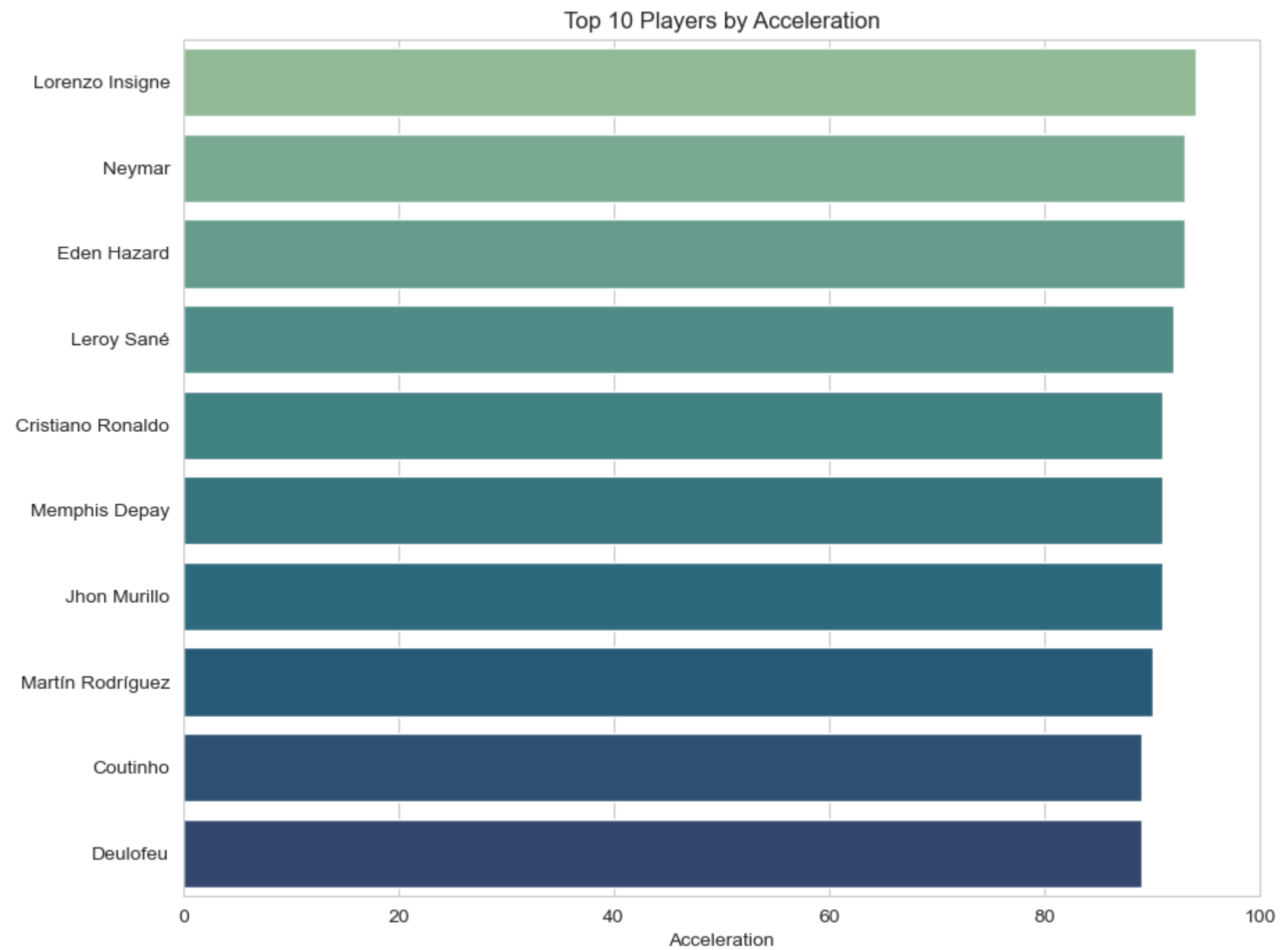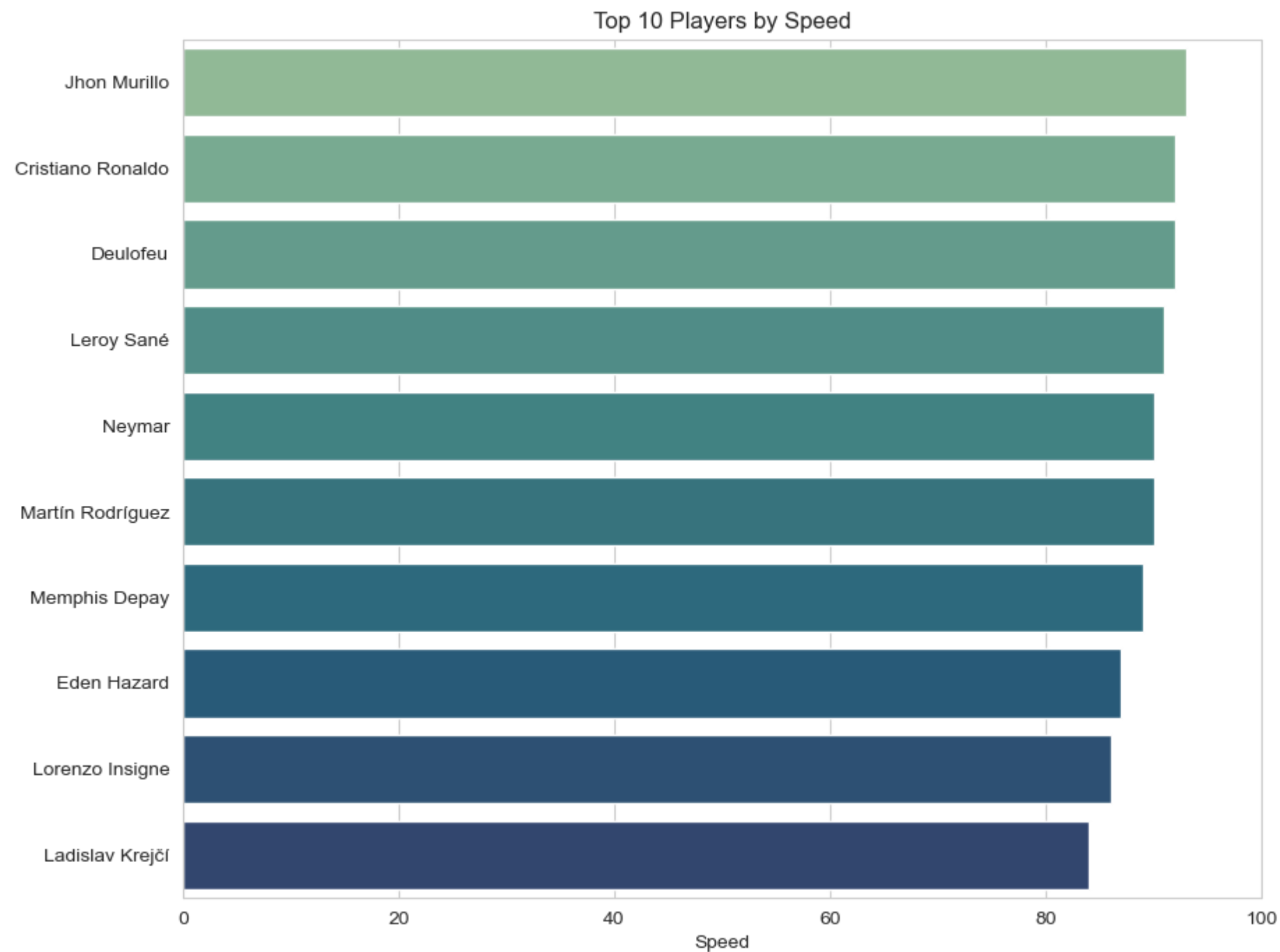

Top 10 Players by Crossing

Top 10 Players by Short Pass
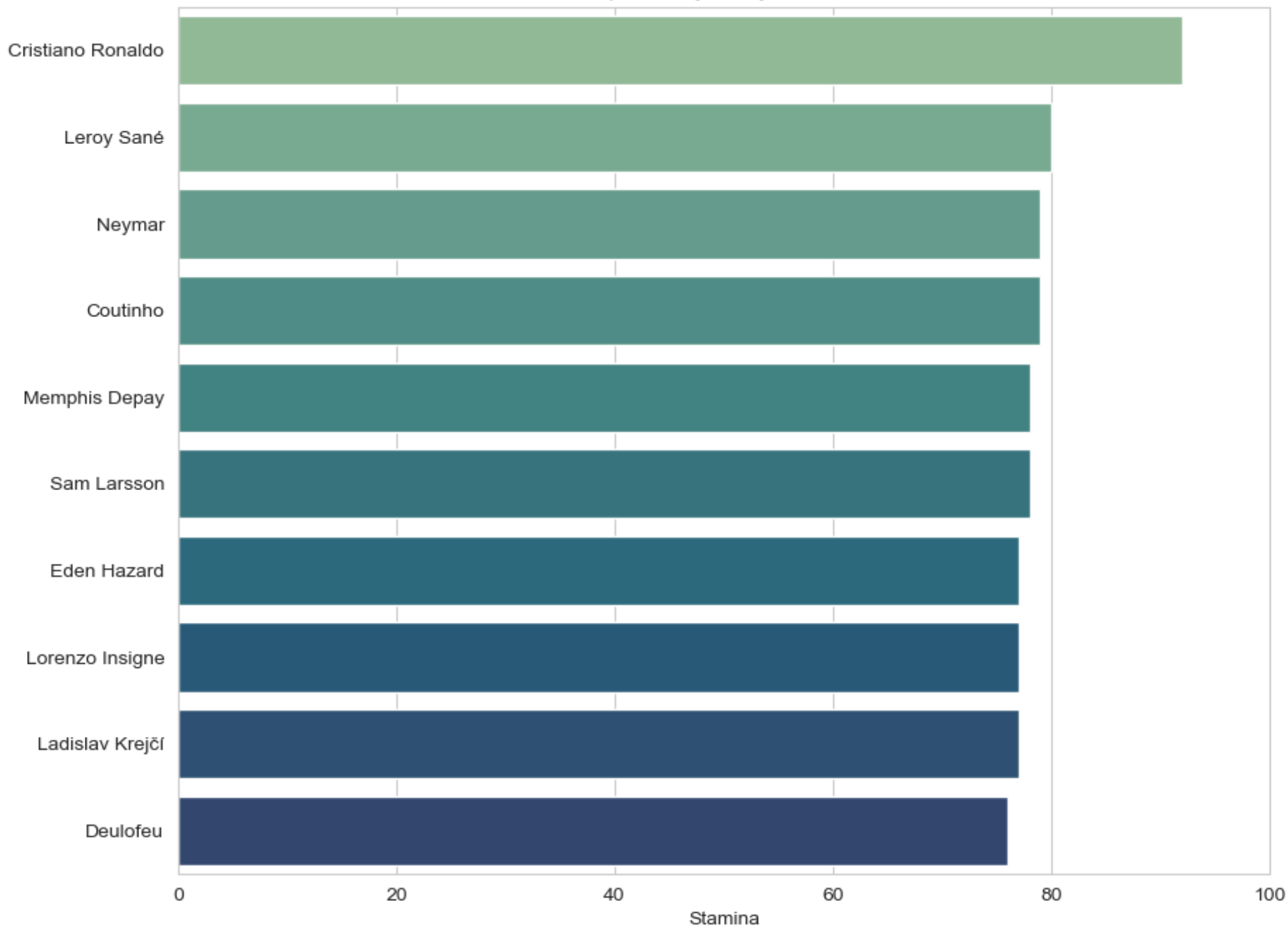
Top 10 Players by Speed and Acceleration

Murillo's highest Speed score of 93 shows his ability to outrun defenders, crucial for advancing quickly. Meanwhile, **Insigne's top Acceleration** score of 93 highlights his quick bursts of speed, essential for dynamic attacking plays.
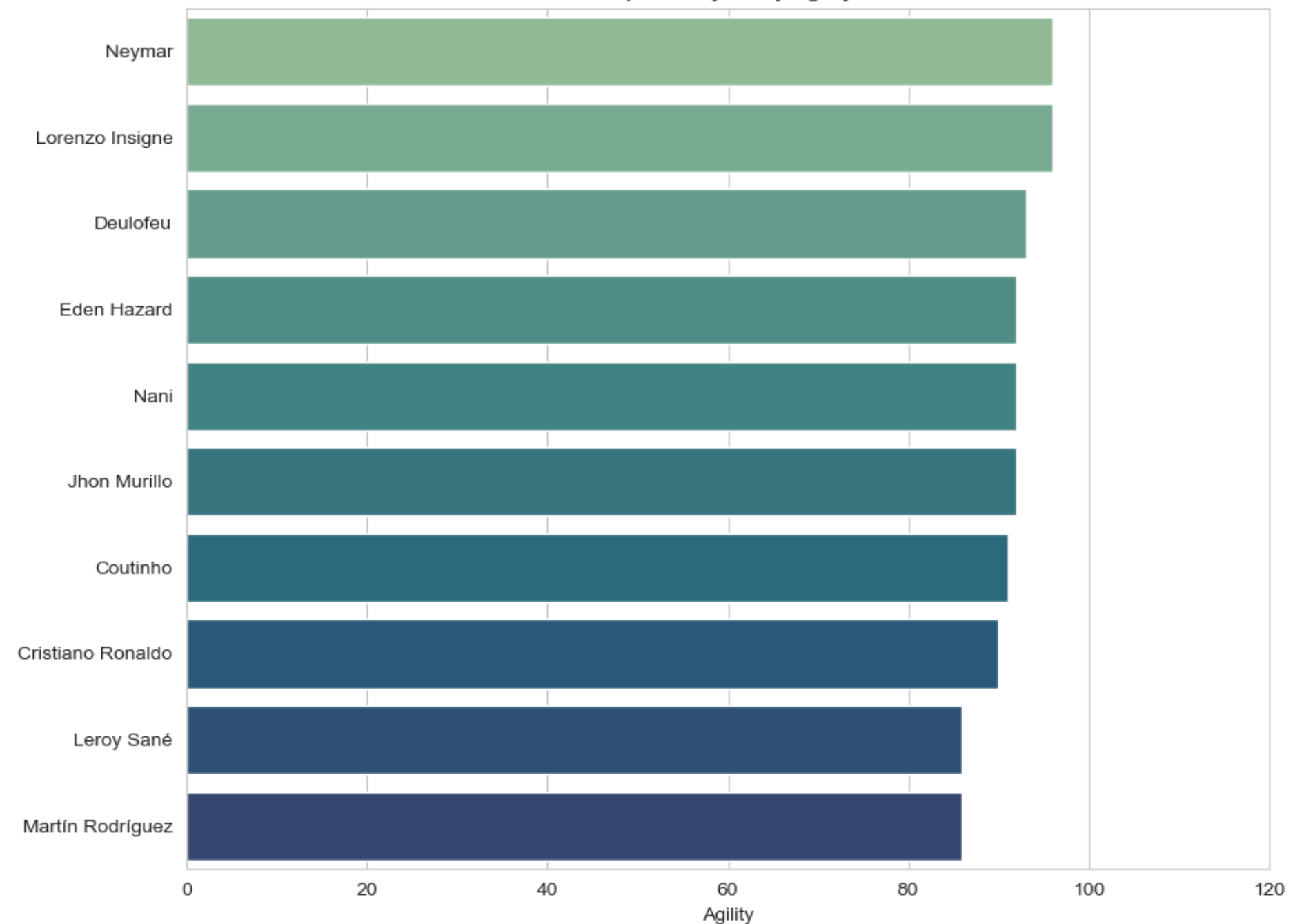
Top 10 Players by Stamina and Agility

Ronaldo's leading Stamina score of 91 highlights his exceptional endurance for sustained peak performance. Conversely, Neymar and Insigne's top Agility scores of 96 showcase their superior ability to swiftly change direction, enhancing their effectiveness in evading defenders. speed, essential for dynamic attacking plays.
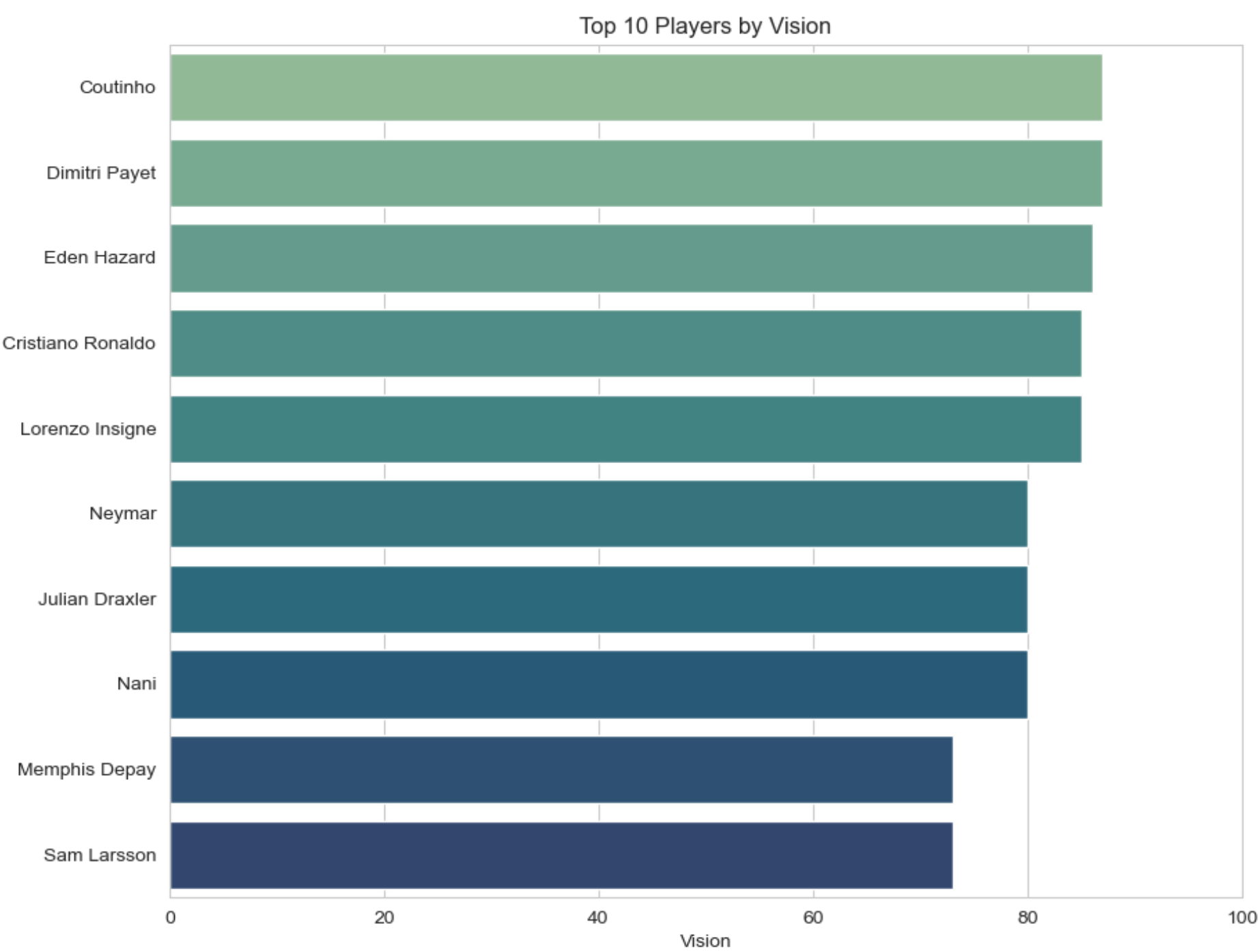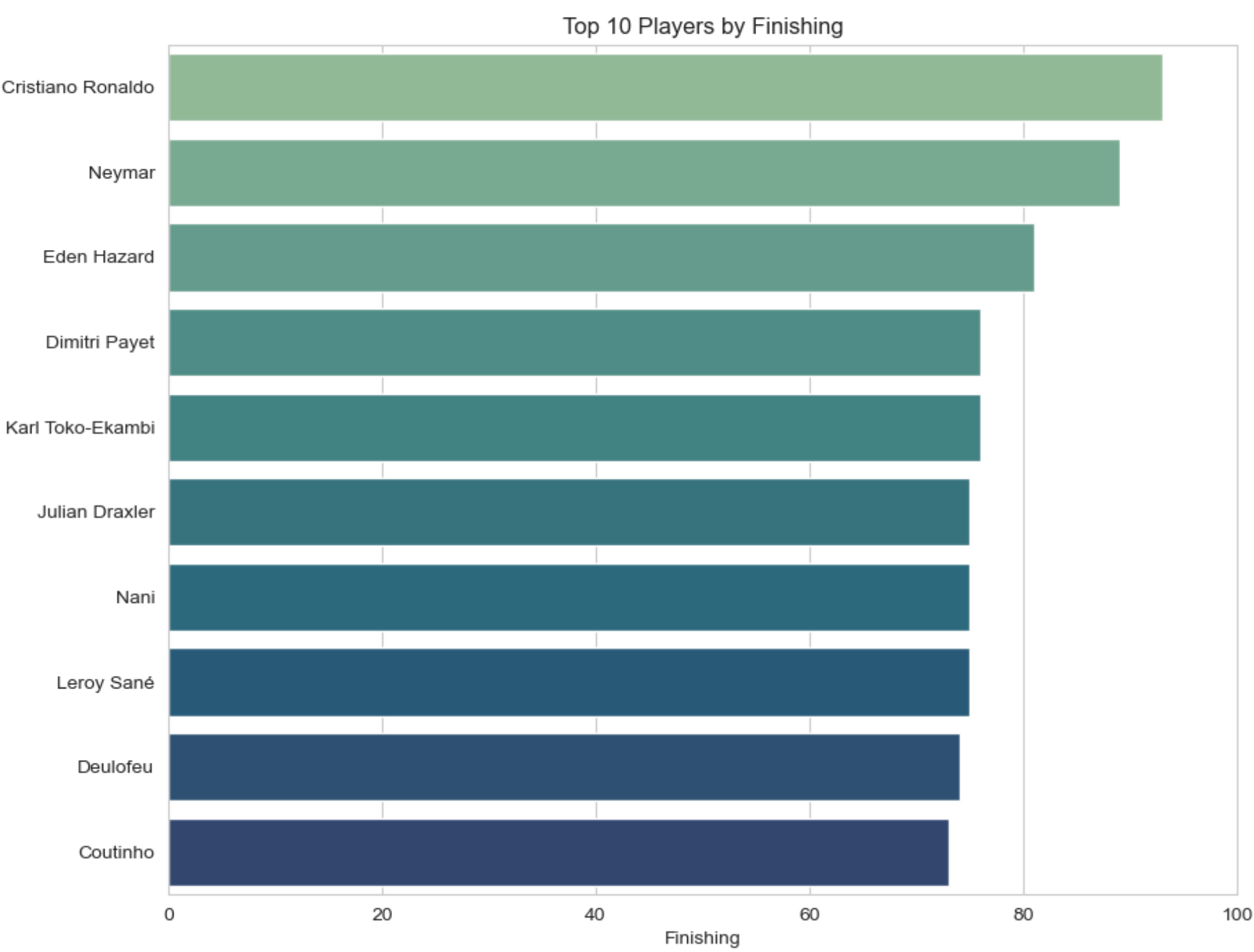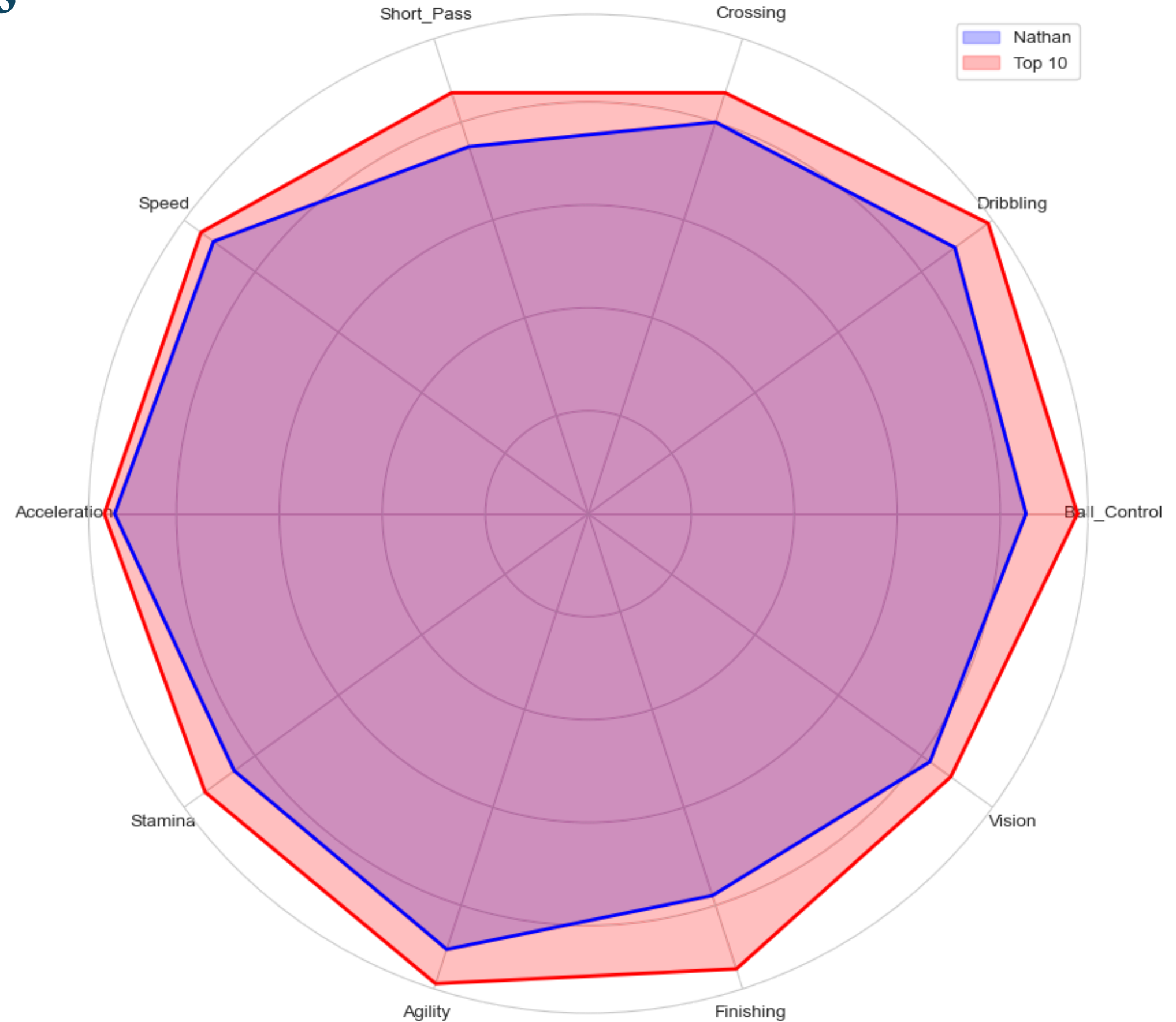
Top 10 Players by Finishing and Vision

Ronaldo's top Finishing score of 92 highlights his exceptional ability to convert chances into goals. Coutinho and Payet's high Vision scores of 96 emphasize their superior playmaking skills, enabling them to create crucial goal-scoring opportunities for their teammates.

Top 10 Players by Finishing

Top 10 Players by Vision

Comparison of Nathan's Stats with Top 10 Stats

The radar chart reveals Nathan's strengths in Acceleration and Speed, approaching the top 10 players' scores, while his Short Pass and Finishing lag significantly. This highlights Nathan's competitive acceleration and speed but also shows key areas needing improvement to match elite players.

Conclusion

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Real Madrid is the optimal club for Nathan, given his strengths in **Acceleration and Speed**, which fit well with the club's dynamic style of play. Cristiano Ronaldo's outstanding performance at Real Madrid underscores the club's ability to develop top talent. Nathan would benefit from **Real Madrid's advanced training and competitive environment** to improve his Short Pass and Finishing skills, making it the best choice for his advancement in elite football.

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Thank you