

# The Best Parameter for Tennis Players

# Research Question

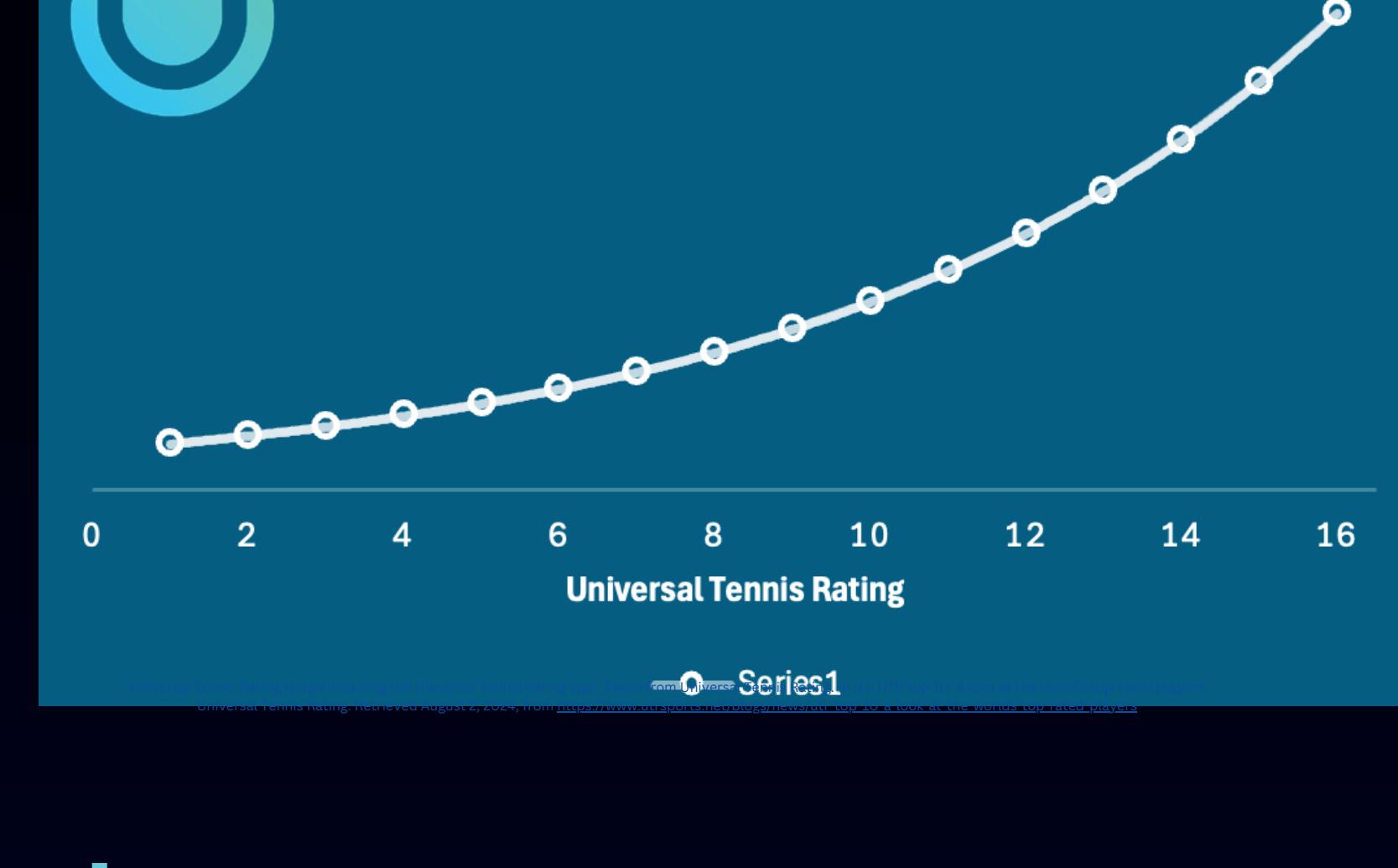
The Universal Tennis Rating or UTR for short is an algorithm used to assess the skills and talent of tennis players. Is UTR substantial for measuring the talent of tennis players vs other parameters that are better for measuring different skills?

# Universal Tennis Rating System

- from the last 12 months.

  - For the eligible match, the algorithm calculates a match rating and a match weight including the reliability rate.
  - The higher the reliability rate the more accurate the UTR is for that specific player.
  - The Ratings start from 1 and lead up to 16.50. 1 Represents an underdeveloped tennis player and 16.50 represents a flawless master of tennis
  - However, 16.50 has never been reached by a tennis player. The graph to the right is a graph of the Universal tennis Rating system and how it grades each level. The closest ever achieved was by Rafael Nadal who reached 16.49

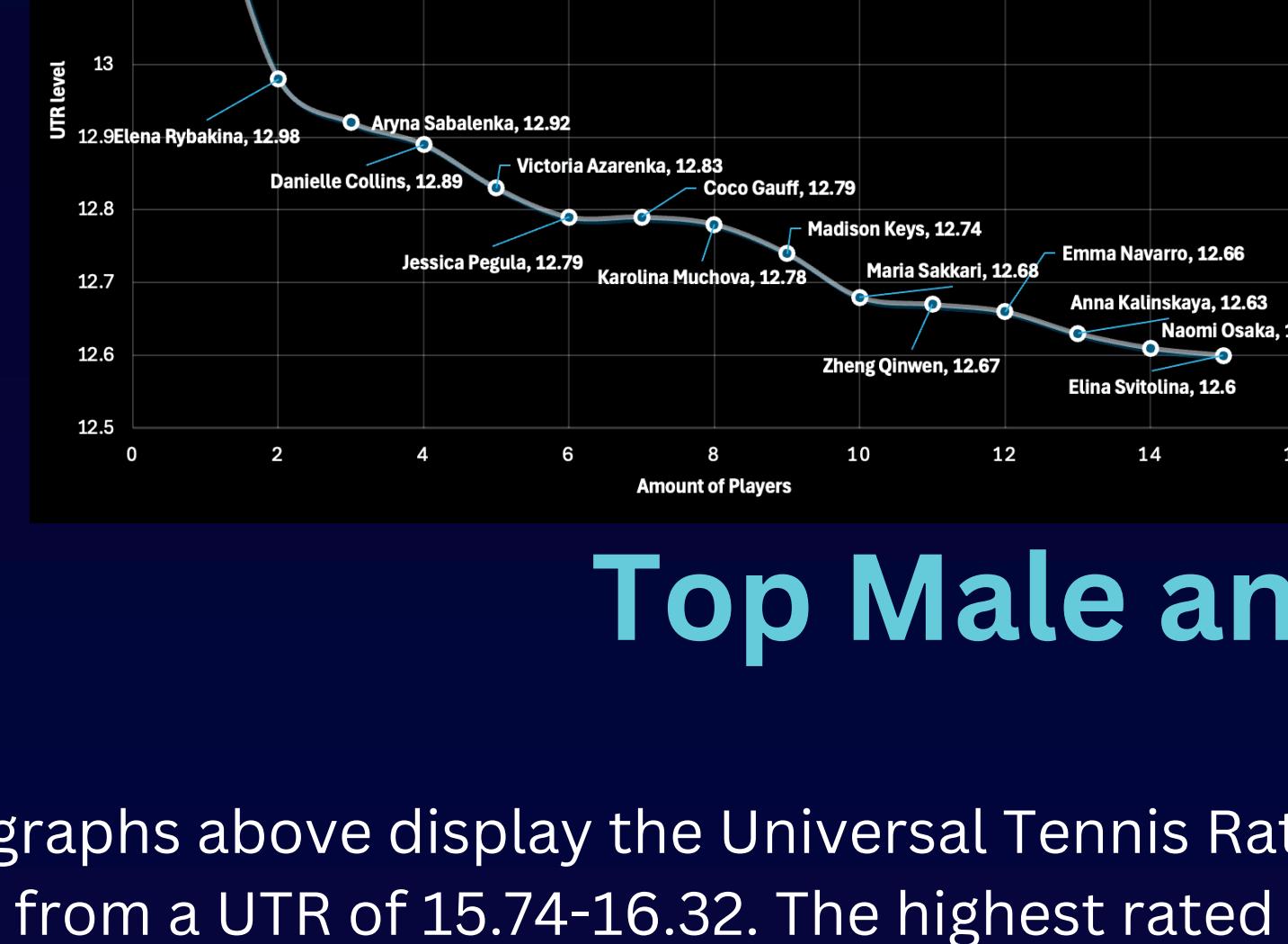
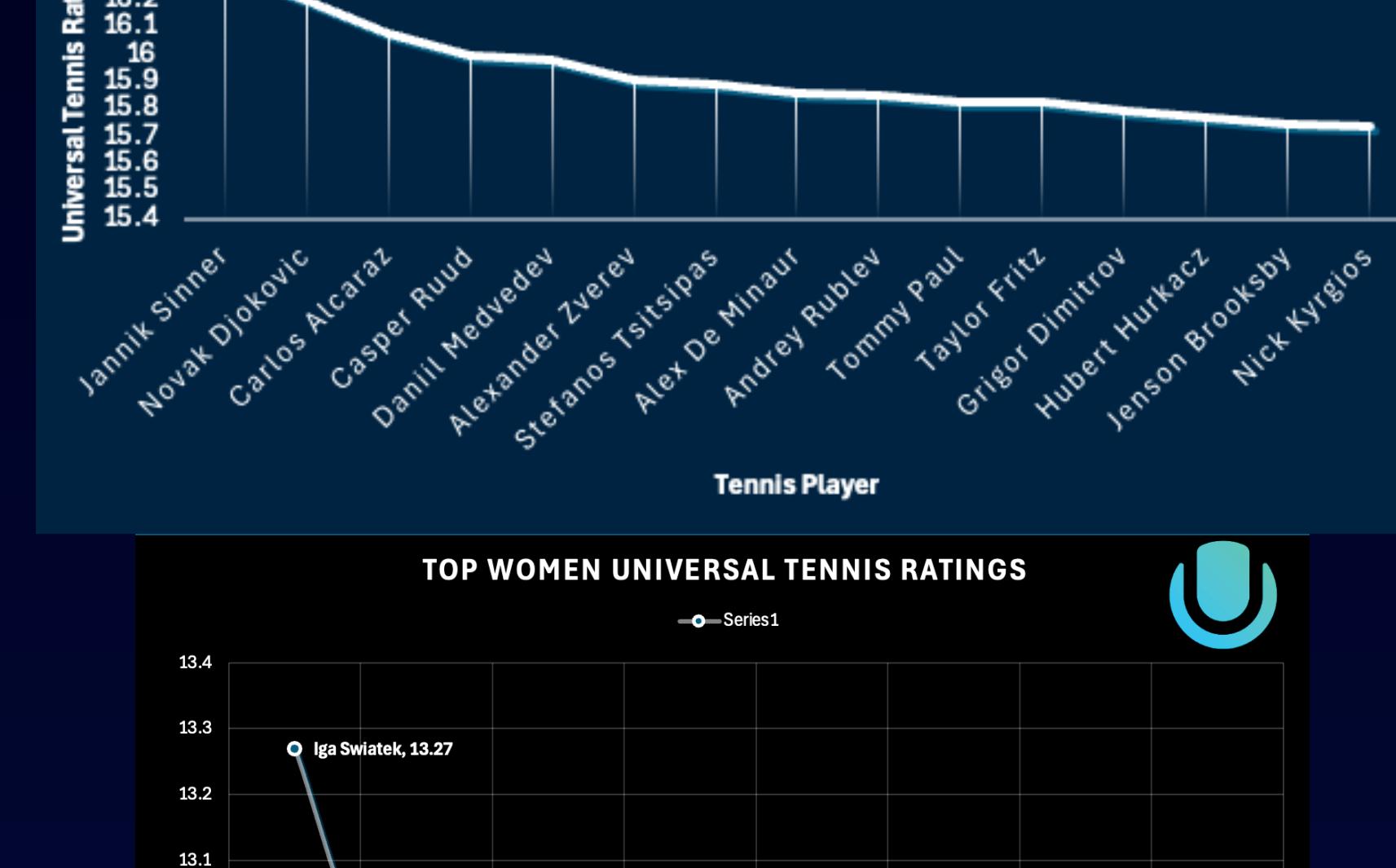
## Table of Top 15 UTR Players Male and



**TENNIS RATING**



- The graphs above display the Universal Tennis Rating. The Singles Graph ranges from a UTR of 15.74-16.32. The Doubles Graph ranges from a UTR of 15.74-16.32.



- The Graph to the left displays Iga Swiatek to have be the top rated Universal Tennis Rated player at 13.27 ranging to Elina Svitolina at 12.6.
  - Both graphs display the Mens top competitive range is significantly higher then the top female competitive range. Therefore the system is suggesting men are in a different class for the top 15.
  - Both graphs incorporate the Universal Tennis Rating System logo as well as display a decreasing trend from the highest rated universal tennis rated player to the 15th Universally Tennis Rated player
  - This also displays the level of strength, talent and determination required to ranked in the top 15 in the World for both men and women

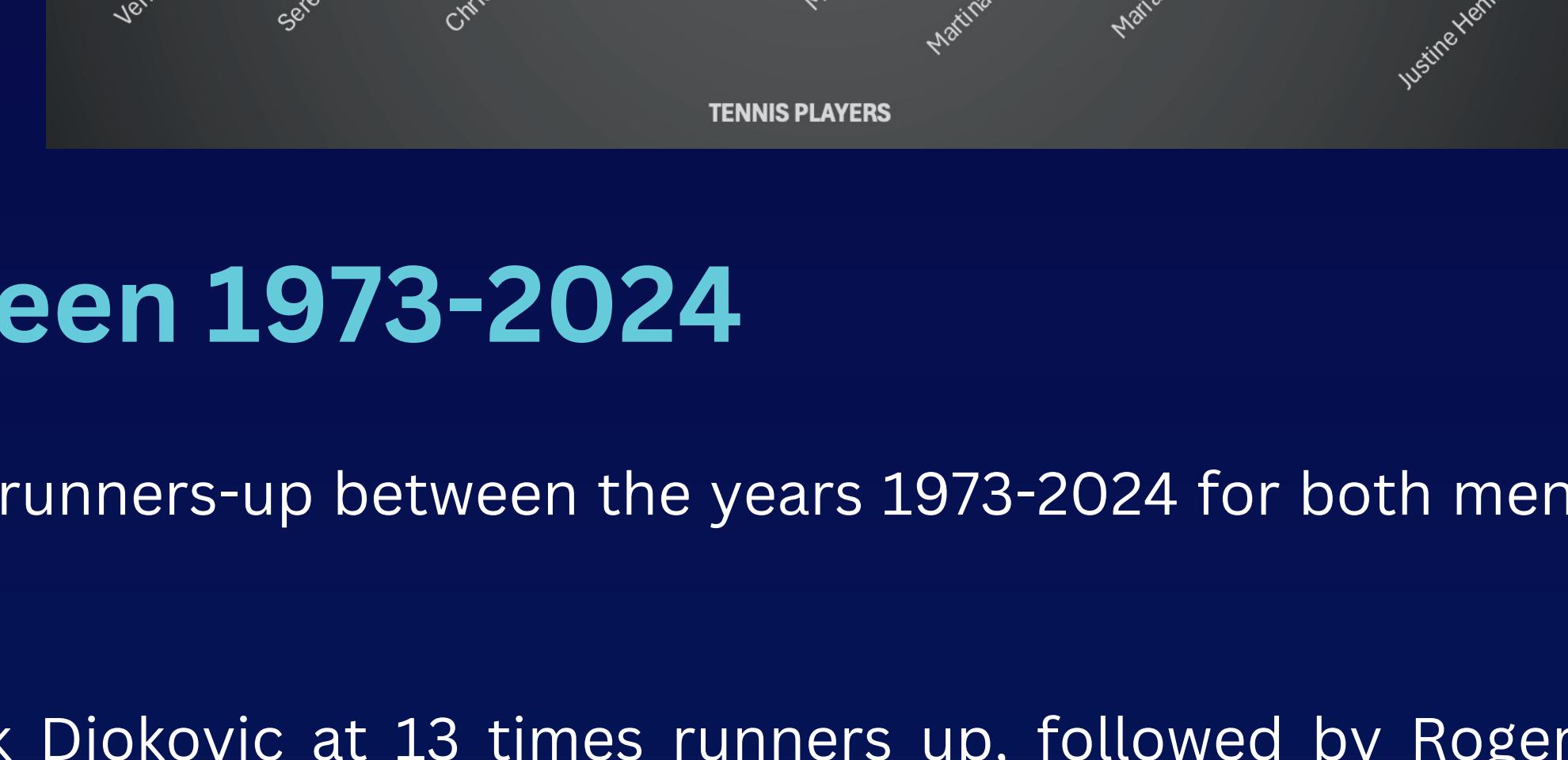
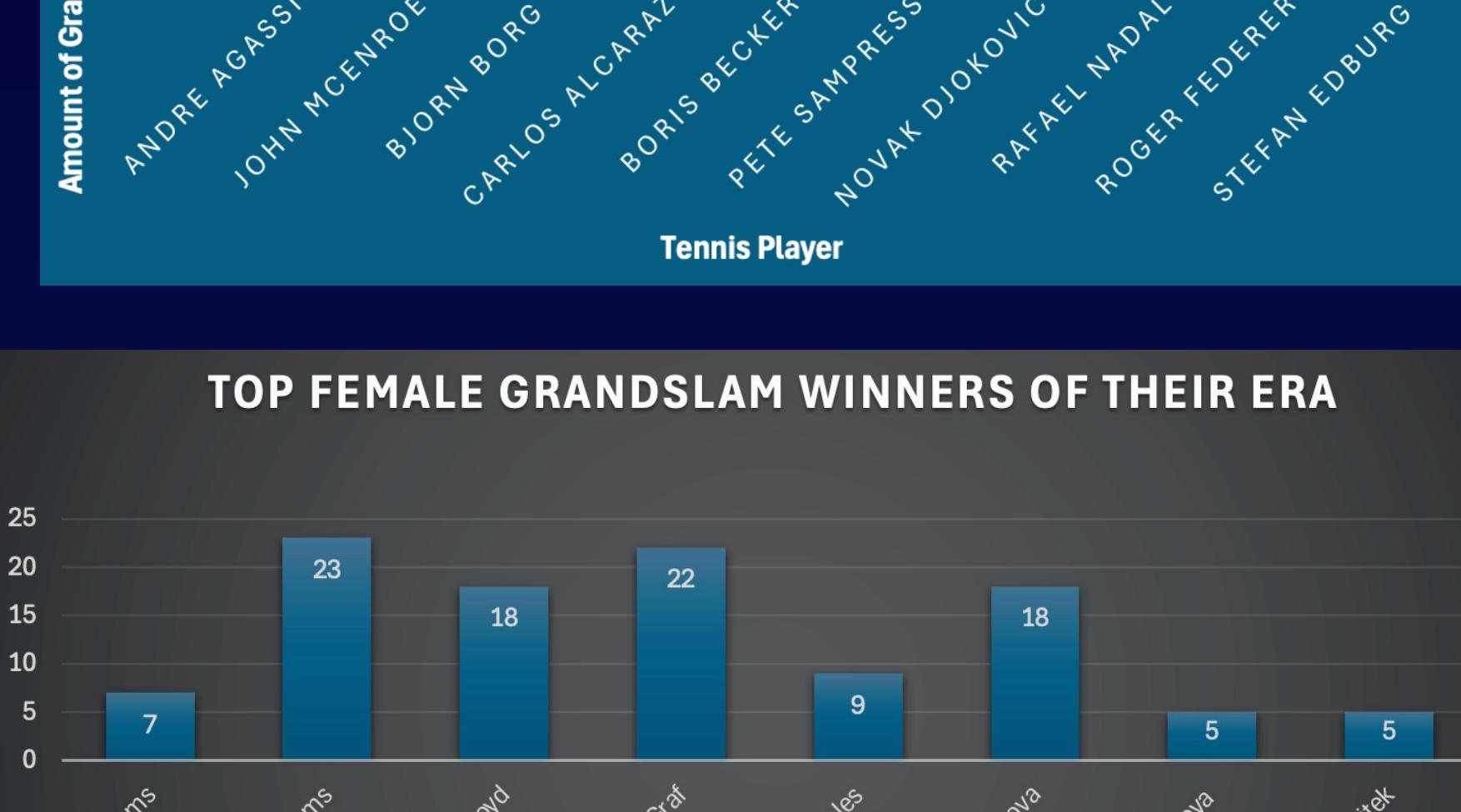
## Female Grand Slams Between 1973-2024

for the top 15 men and Women. The Mens Singles Graph

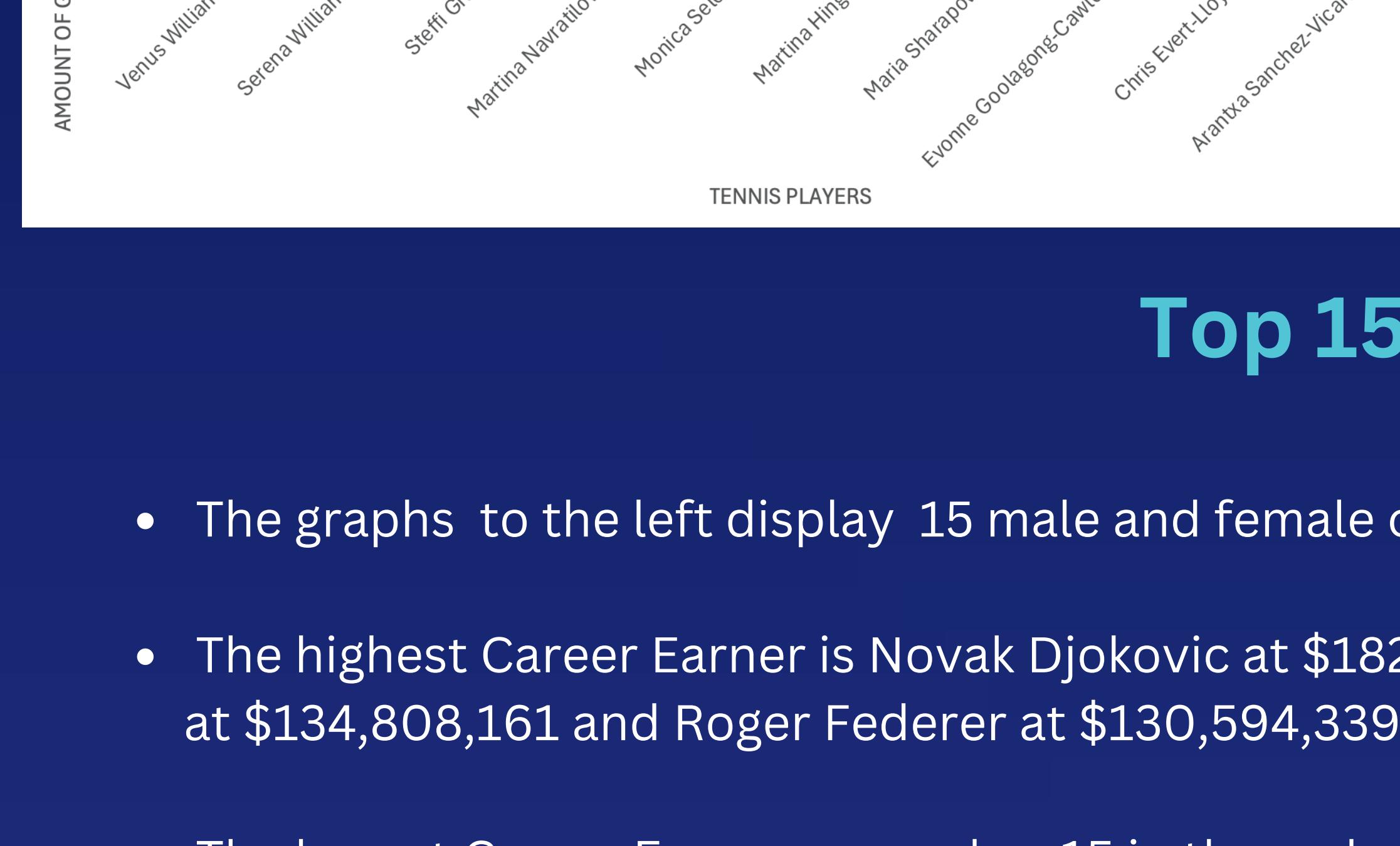
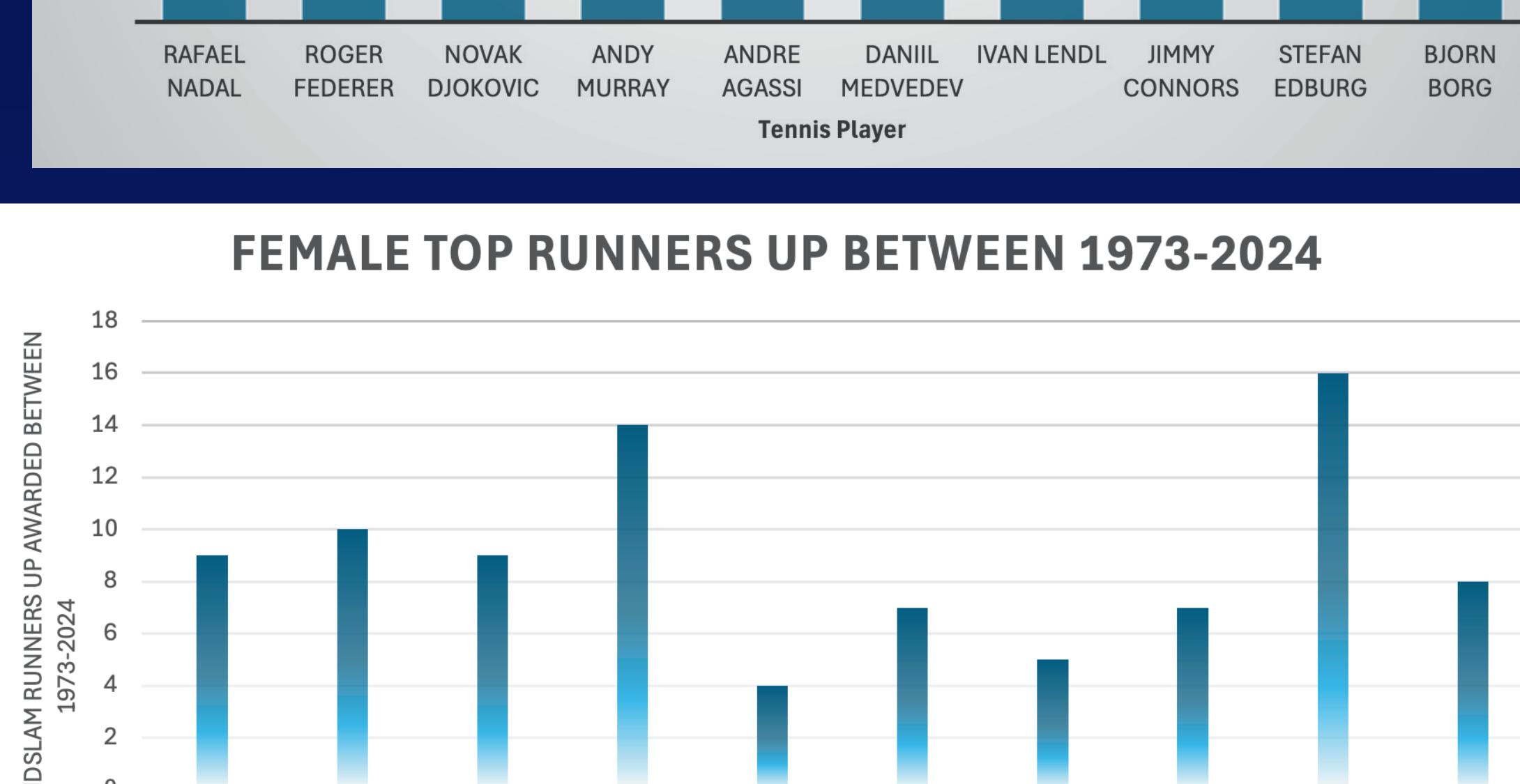
TOP MALE GRANDSLAM WINNERS OF THEIR ERA

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kyrios.

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Federer and Ivan Lendl at 11 times runners-up



- The top female runners-up were Chris- Evert-Lloyd at 16 runners-up, Martina Navratilova at 14 Runners and Serena Williams at 10 runners-up
  - The lowest number of runners-up in Grand Slams was 4 by Monica Seles.
  - The Majority of the names mentioned with the highest number of runners-up had the most grand slams such as Novak Djokovic, Roger Federer, Serena Williams, Chris Evert-Lloyd, and Martina Navratilova
  - This is an adequate measure because it measured each player in their respective competitions instead of measuring every tennis player in the world on one scale

## Career Earners Male and Female

The chart displays the top 15 ATP career earners male, with earnings listed in US dollars. The data shows a significant disparity between the top earners and the rest of the list.

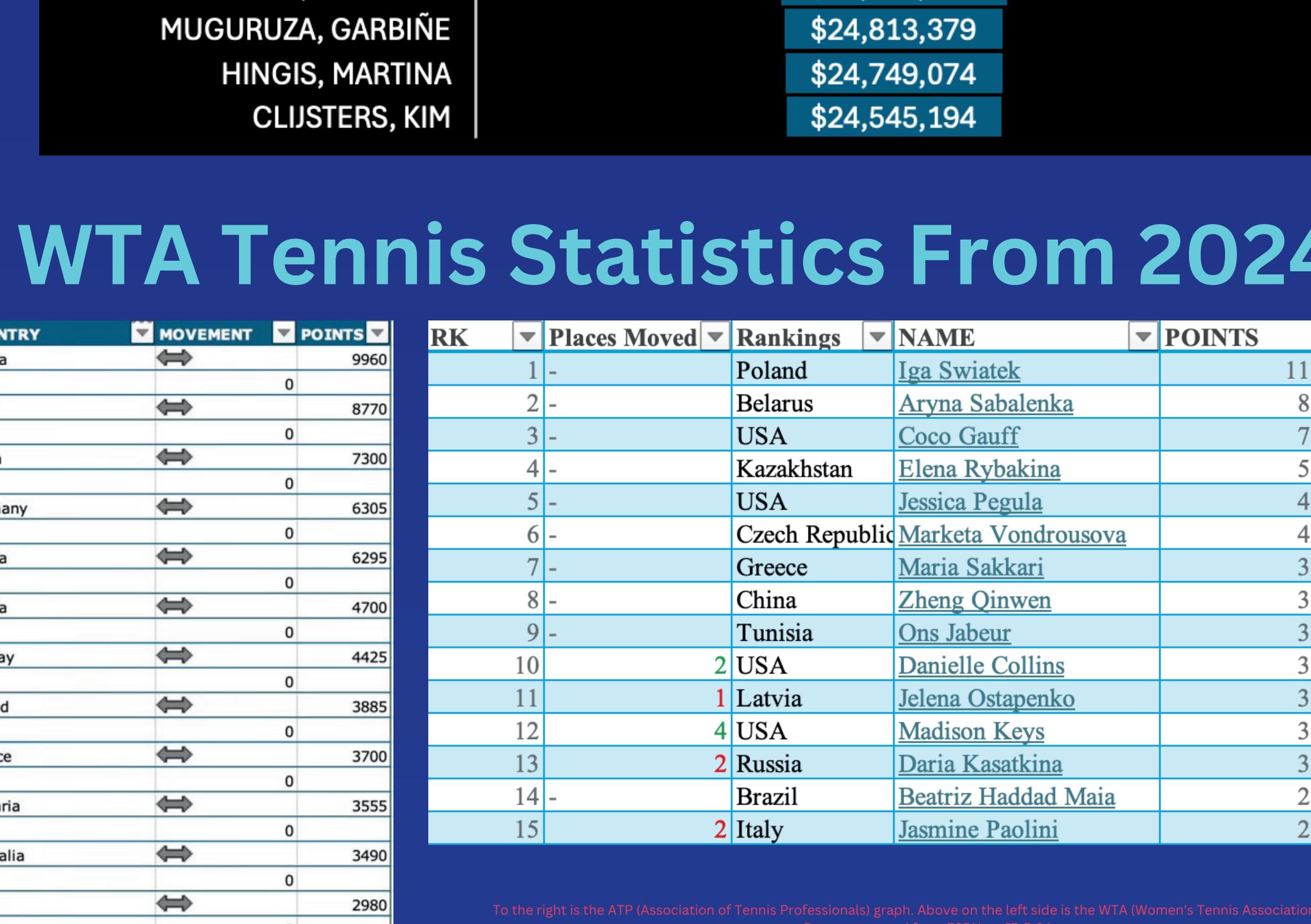
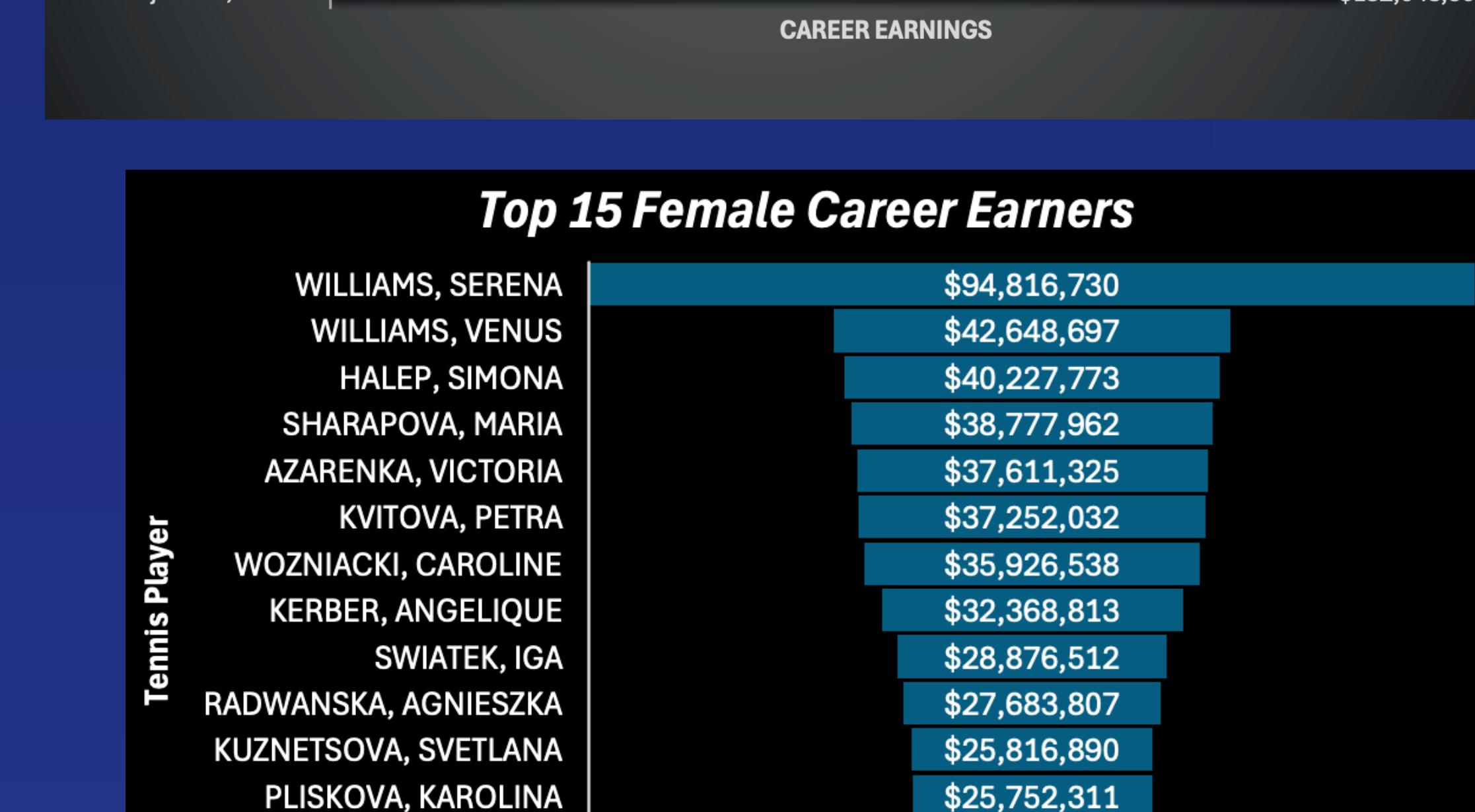
RANK	PLAYER	EARNINGS (\$)
1	Alcaraz, Carlos	\$28,934,769
2	Berdych, Tomas	\$29,491,328
3	Thiem, Dominic	\$30,183,694
4	Tsitsipas, Stefanos	\$30,868,143
5	Agassi, Andre	\$31,152,975
6	Cilic, Marin	\$31,301,586
7	Ferrer, David	\$31,483,911
8	Wawrinka, Stanislas	\$31,500,000
9	Djokovic, Novak	\$31,500,000
10	Federer, Roger	\$31,500,000
11	Wawrinka, Stanislas	\$31,500,000
12	Djokovic, Novak	\$31,500,000
13	Federer, Roger	\$31,500,000
14	Wawrinka, Stanislas	\$31,500,000
15	Djokovic, Novak	\$31,500,000

- The lowest Earner in the Top 15 female career was 24,545,194
  - This links back to the research question and is a substantial measurement for tennis players however this only applies to players in the ATP (Association of Tennis Professionals) tournament or WTA (Women's Tennis Association)
  - The more Grand Slams won, the more sponsorships and endorsements are only received

a causation events. As Novak Djokovic is at 16.2 UTR, Achieved the most Grand Slams and has earned the most out of all the players in the career earnings graph.

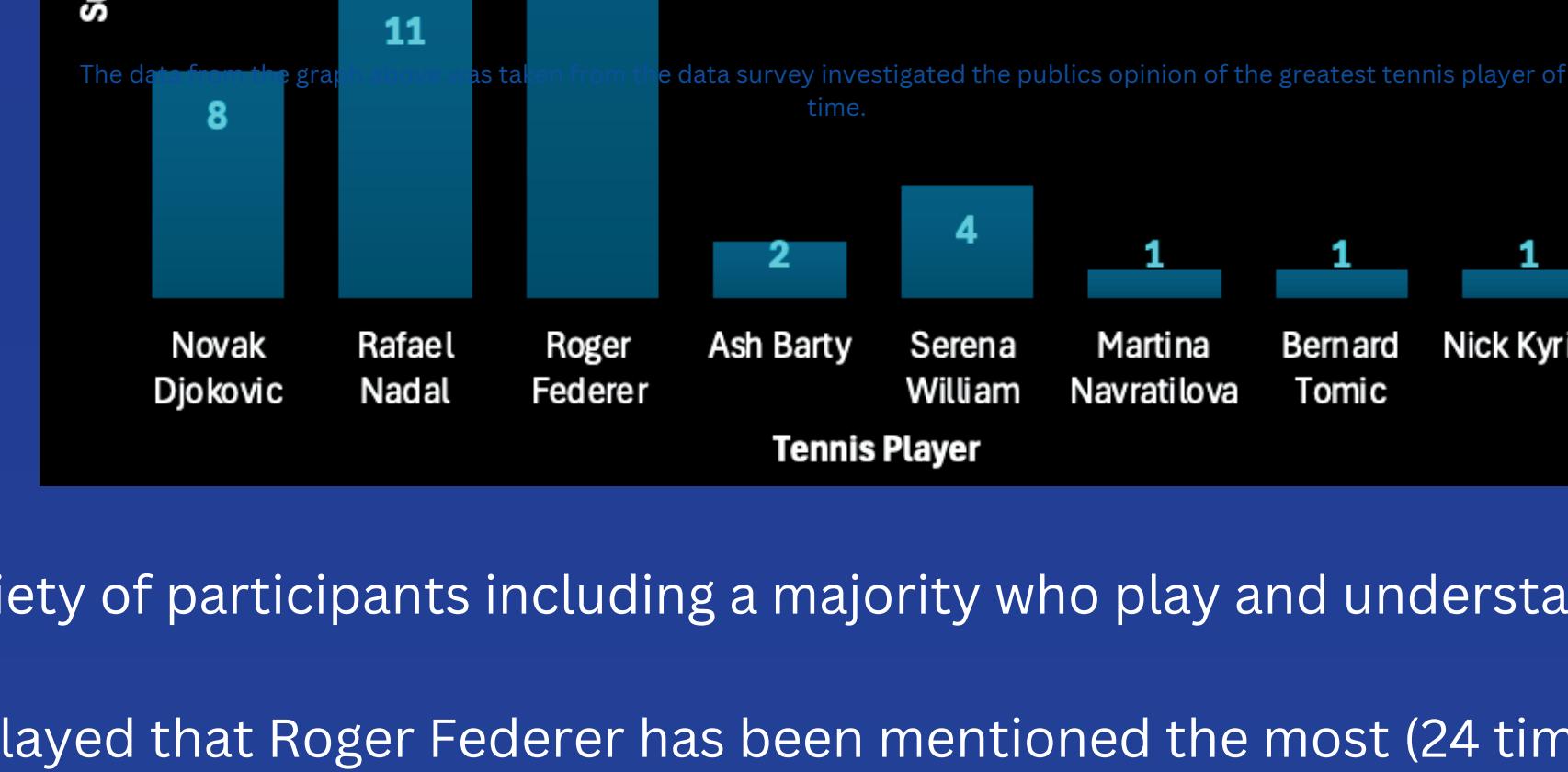
- # The Greatest Tennis Player of all Time According to Primary Data
- Survey Question:**  
*Who is the Greatest Tennis Player of all Time?*

Player	Number of Respondants
Novak Djokovic	24
Roger Federer	12
- | RK | PLAYER             |
|----|--------------------|
| 1  | Novak Djokovic     |
| 2  | Jannik Sinner      |
| 3  | Carlos Alcaraz     |
| 4  | Alexander Zverev   |
| 5  | Daniil Medvedev    |
| 6  | Andrey Rublev      |
| 7  | Casper Ruud        |
| 8  | Hubert Hurkacz     |
| 9  | Stefanos Tsitsipas |
| 10 | Grigor Dimitrov    |
| 11 | Alex De Minaur     |
| 12 | Taylor Fritz       |



A bar chart titled "Time?" showing the percentage of respondents who feel they have enough time. The y-axis is labeled "Percentage of Respondents". The x-axis categories are "Not enough time" and "Enough time". The "Enough time" bar is teal and reaches 100%. The "Not enough time" bar is light blue and reaches approximately 24%.

Response	Percentage
Enough time	100%
Not enough time	24%



- These names have been consistently mentioned throughout the infographic as they had the highest number of Grand Slams, runners up, career earnings and UTRs.
  - Therefore displaying that UTR is a Statistic but is not the best parameter rather the accumulation of measurements is the best as public opinion differs from UTR.

- Potentially a direct result of how the points are calculated for tennis players in the ATP tournament. As it is calculated by participating in all four Grand Slam tournaments and eight mandatory ATP Masters 1000 tournaments (Indian Wells).
  - A player's ranking is determined by results at a maximum of 18 tournaments for singles and 12 for doubles. Points are awarded based on the level of the tournament and a player's round-by-round progression at that tournament
  - The graph above displays that Iga Swiatek also the number 1 at 11695 points is also the highest universally tennis-ranked player for women at 13.27. However Aryna Sablanka ranked number 2 according to WTA at 8138 points, is number 3 for UTR at 12.92

# *Substantial measurements are incredibly useful and*