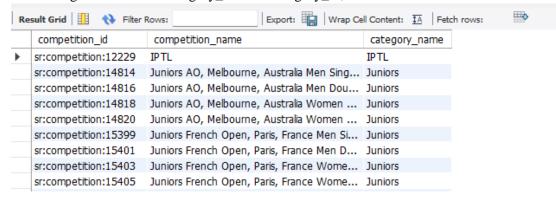
# Game Analytics: Unlocking Tennis Data with SportRadar API

## 1. Competitions Analysis:

List all competitions with category names.

SELECT c.competition\_id, c.competition\_name, cat.category\_name FROM competitions c

JOIN categories cat ON c.category\_id = cat.category\_id;



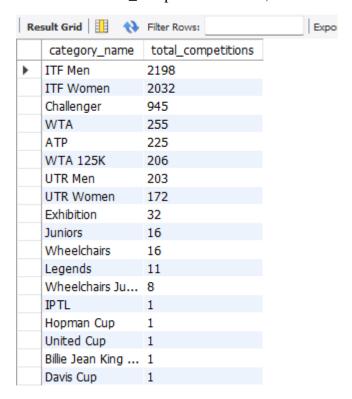
Count the number of competitions in each category.

SELECT cat.category\_name, COUNT(c.competition\_id) AS total\_competitions FROM competitions c

JOIN categories cat ON c.category\_id = cat.category\_id GROUP BY cat.category\_name

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ORDER BY total\_competitions DESC;



• Find competitions of type 'doubles'.

SELECT competition\_id, competition\_name, type FROM competitions

#### WHERE type = 'doubles';

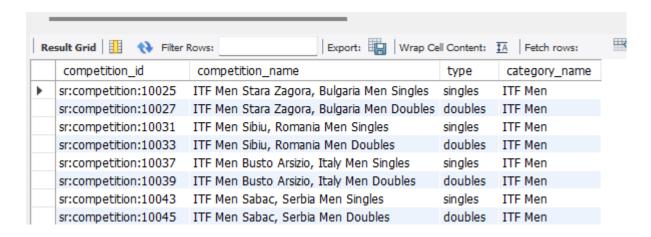


• Get competitions in a specific category (e.g., ITF Men).

SELECT c.competition\_id, c.competition\_name, c.type, cat.category\_name FROM competitions c

JOIN categories cat ON c.category\_id = cat.category\_id

WHERE cat.category\_name = 'ITF Men';



• Identify parent competitions and their sub-competitions.

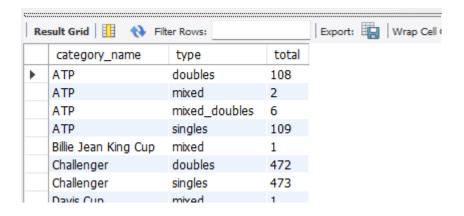
SELECT p.competition\_name AS parent\_competition, c.competition\_name AS sub\_competition FROM competitions c

JOIN competitions p ON c.category\_id = p.category\_id WHERE c.competition\_id <> p.competition\_id;



• Analyze the distribution of competition types by category.

SELECT cat.category\_name, c.type, COUNT(c.competition\_id) AS total FROM competitions c
JOIN categories cat ON c.category\_id = cat.category\_id
GROUP BY cat.category\_name, c.type
ORDER BY cat.category\_name;



• List all top-level competitions (no parent).

SELECT competition\_id, competition\_name, type FROM competitions
WHERE category\_id IS NOT NULL;



## 2. Venue Analysis

• List all venues along with their associated complex names.

SELECT v.venue\_id, v.venue\_name, c.complex\_name FROM venues v JOIN complexes c ON v.complex\_id = c.complex\_id;



• Count the number of venues in each complex.

SELECT c.complex\_name, COUNT(v.venue\_id) AS total\_venues FROM venues v

JOIN complexes c ON v.complex\_id = c.complex\_id

GROUP BY c.complex\_name

ORDER BY total\_venues DESC;



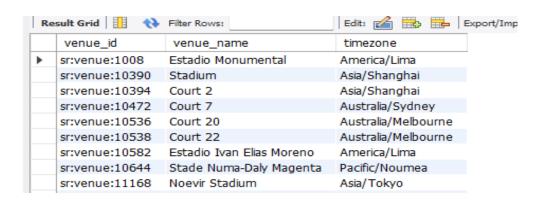
• Get details of venues in a specific country.

SELECT venue\_id, venue\_name, city\_name, country\_name FROM venues
WHERE country\_name = 'France';



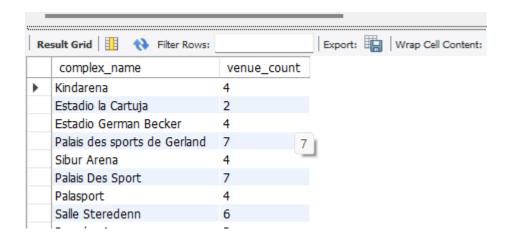
• Identify all venues with their timezones.

SELECT venue\_id, venue\_name, timezone FROM venues
WHERE timezone IS NOT NULL:



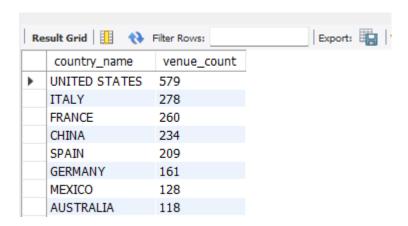
• Find complexes with more than one venue.

SELECT c.complex\_name, COUNT(v.venue\_id) AS venue\_count FROM complexes c
JOIN venues v ON v.complex\_id = c.complex\_id
GROUP BY c.complex\_name
HAVING COUNT(v.venue\_id) > 1;



• List venues grouped by country.

SELECT country\_name, COUNT(venue\_id) AS venue\_count FROM venues GROUP BY country\_name ORDER BY venue\_count DESC;



• Find all venues for a specific complex.

SELECT v.venue\_id, v.venue\_name, v.city\_name, v.country\_name FROM venues v

JOIN complexes c ON v.complex\_id = c.complex\_id

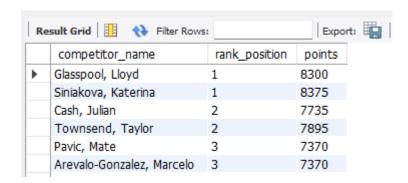
WHERE c.complex\_name = 'Melbourne Park';



### 3. Competitor Ranking Analysis

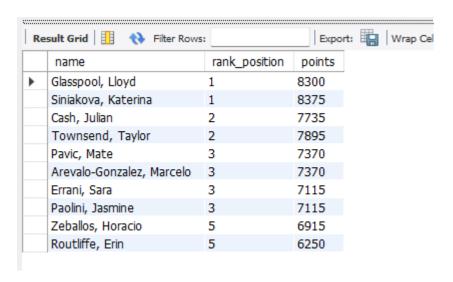
• Get all competitors with their rank and points.

SELECT comp.name AS competitor\_name, cr.rank\_position, cr.points FROM competitor\_rankings cr
JOIN competitors comp ON cr.competitor\_id = comp.competitor\_id
ORDER BY cr.rank\_position ASC;



• Find competitors ranked in the top 5.

SELECT comp.name, cr.rank\_position, cr.points
FROM competitor\_rankings cr
JOIN competitors comp ON cr.competitor\_id = comp.competitor\_id
WHERE cr.rank\_position <= 5
ORDER BY cr.rank\_position;



• List competitors with no rank movement (stable rank).

SELECT comp.name, cr.rank\_position, cr.movement FROM competitor\_rankings cr JOIN competitors comp ON cr.competitor\_id = comp.competitor\_id WHERE cr.movement = 0;



• Get the total points of competitors from a specific country.

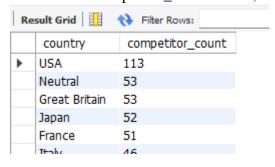
SELECT comp.country, SUM(cr.points) AS total\_points
FROM competitor\_rankings cr
JOIN competitors comp ON cr.competitor\_id = comp.competitor\_id
WHERE comp.country = 'France';



• Count competitors per country.

SELECT comp.country, COUNT(comp.competitor\_id) AS competitor\_count FROM competitors comp GROUP BY comp.country

ORDER BY competitor\_count DESC;



• Find competitors with the highest points in the current week.

SELECT comp.name, comp.country, cr.points
FROM competitor\_rankings cr
JOIN competitors comp ON cr.competitor\_id = comp.competitor\_id
ORDER BY cr.points DESC
LIMIT 10;

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	name	country	points
•	Siniakova, Katerina	Czechia	8375
	Glasspool, Lloyd	Great Britain	8300
	Townsend, Taylor	USA	7895
	Cash, Julian	Great Britain	7735
	Pavic, Mate	Croatia	7370
	Arevalo-Gonzalez, Marcelo	El Salvador	7370
	Errani, Sara	Italy	7115
	Paolini, Jasmine	Italy	7115
	Zeballos, Horacio	Argentina	6915
	Granollers, Marcel	Spain	6825