

# Paris Olympic 2024 Data Analysis

## 1. Country with most medals?

Microsoft Azure | Synapse Analytics | paris-olympic-synapse

paris-olympic-2024-data | SQL script 1

7 select country , medal , count(1) as Total\_Medal\_Count from medalists group by country, medal order by count(1) desc;

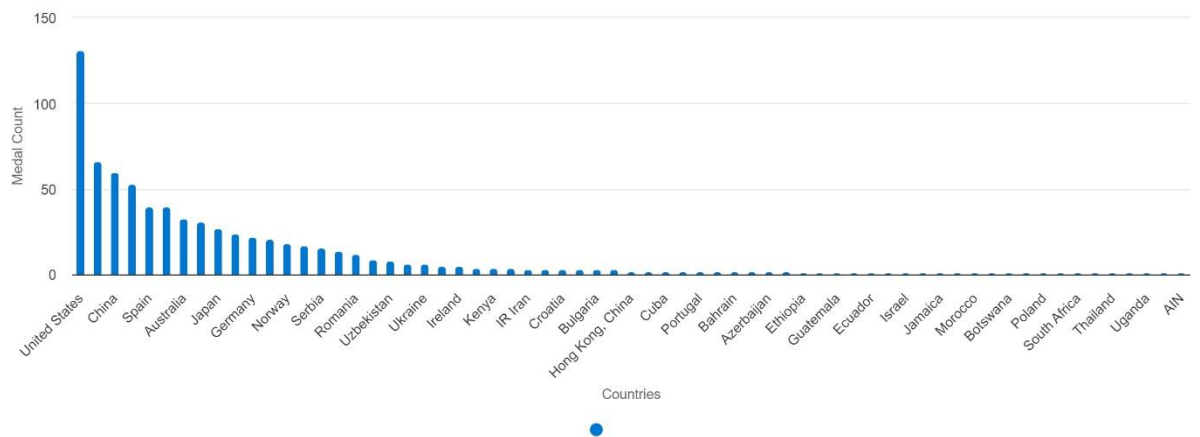
Results Messages

View Table Chart Export results

country	medal	Total_Medal_Count
United States	Gold Medal	131
United States	Silver Medal	101
United States	Bronze Medal	95
France	Silver Medal	95
Great Britain	Bronze Medal	78
Netherlands	Gold Medal	66
China	Gold Medal	60
China	Silver Medal	57
France	Gold Medal	53
Germany	Silver Medal	50
Australia	Silver Medal	45

00:00:01 Query executed successfully.

Viz:



# Paris Olympic 2024 Data Analysis

## 2. Country with most gold medals?

The screenshot shows the Microsoft Azure Synapse Analytics interface. The top navigation bar includes 'Microsoft Azure', 'Synapse Analytics', and 'paris-olympic-synapse'. A search bar is on the right. Below the navigation bar, there's a toolbar with 'Run', 'Undo', 'Publish', 'Query plan', 'Connect to', and 'Use database'. The 'Connect to' dropdown is set to 'Built-in' and 'Use database' is set to 'olympicDB'. The SQL script editor contains the following query:

```
9 select country , medal , count(1) from medalists where medal ='Gold Medal' group by country, medal order by count(1) desc;
```

The 'Results' tab is selected, showing a table with 3 columns: 'country', 'medal', and '(No column name)'. The table contains 12 rows of data, sorted by the count of gold medals in descending order.

country	medal	(No column name)
United States	Gold Medal	131
Netherlands	Gold Medal	66
China	Gold Medal	60
France	Gold Medal	53
Spain	Gold Medal	40
Great Britain	Gold Medal	40
Australia	Gold Medal	33
Italy	Gold Medal	31
Japan	Gold Medal	27
New Zealand	Gold Medal	24
Germany	Gold Medal	22

The status bar at the bottom indicates '00:00:01 Query executed successfully.'

## 3. Athlete with most medals ?

The screenshot shows the Microsoft Azure Synapse Analytics interface. The top navigation bar includes 'Microsoft Azure', 'Synapse Analytics', and 'paris-olympic-synapse'. A search bar is on the right. Below the navigation bar, there's a toolbar with 'Run', 'Undo', 'Publish', 'Query plan', 'Connect to', and 'Use database'. The 'Connect to' dropdown is set to 'Built-in' and 'Use database' is set to 'olympicDB'. The SQL script editor contains the following query:

```
18 group by gender order by count(1) desc
19
20 select athlete,COUNT(1) as total_medals from medalists group by athlete order by count(1) desc
```

The 'Results' tab is selected, showing a table with 2 columns: 'athlete' and 'total\_gold\_medals'. The table contains 12 rows of data, sorted by the total number of gold medals in descending order.

athlete	total_gold_medals
ZHANG Yufei	6
HUSKE Torri	5
McKEOWN Kaylee	5
MARCHAND Leon	5
O'CALLAGHAN Mollie	5
SMITH Regan	5
DOUGLASS Kate	4
TITMUS Ariarne	4
YANG Junxuan	4
LEDECKY Katie	4

The status bar at the bottom indicates '00:00:07 Query executed successfully.'

# Paris Olympic 2024 Data Analysis

## 4. Athlete with most gold medals ?

Microsoft Azure | Synapse Analytics | paris-olympic-synapse

SQL script 1

```
9 select country , medal , count(1) from medalists where medal ='Gold Medal' group by country, medal order by count(1) desc;
```

Results Messages

View Table Chart Export results

athlete	medal	total_gold_medals
MARCHAND Leon	Gold Medal	4
HUSKE Torri	Gold Medal	3
LIM Sihyeon	Gold Medal	3
O'CALLAGHAN Mollie	Gold Medal	3
OKA Shinnosuke	Gold Medal	3
McINTOSH Summer	Gold Medal	3
LAVREYSEN Harrie	Gold Medal	3
BILES Simone	Gold Medal	3
KIM Woojin	Gold Medal	3
CHEN Yiwen	Gold Medal	2
CHEN Meng	Gold Medal	2

00:00:01 Query executed successfully.

## 5. Number of Participants per country?

Microsoft Azure | Synapse Analytics | paris-olympic-synapse

SQL script 1

```
6 select country,count(1) as total_number_of_teams from teams group by country order by count(1) desc
```

Results Messages

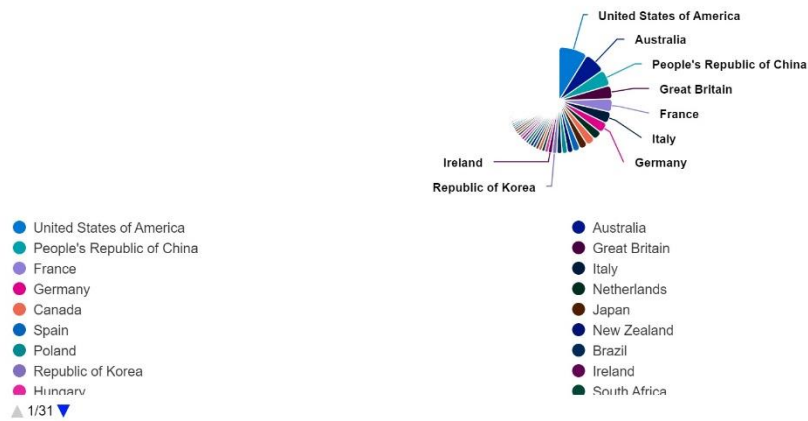
View Table Chart Export results

country	total_number_of_teams
United States of America	150
Australia	111
People's Republic of China	85
Great Britain	71
France	68
Italy	61
Germany	55
Netherlands	47
Canada	47
Japan	42
Spain	37

00:00:01 Query executed successfully.

# Paris Olympic 2024 Data Analysis

Viz :



## 6. Most female participants from a country ?

Microsoft Azure | Synapse Analytics | paris-olympic-synapse | Search

Synapse live | Validate all | Publish all

paris-olympic-2024-data | SQL script 1 | Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.

Run | Undo | Publish | Query plan | Connect to Built-in | Use database olympicDB

23 select country , count(1) as total\_female\_athletes from athletes where gender ='Female' group by country order by count(1) desc

Results | Messages

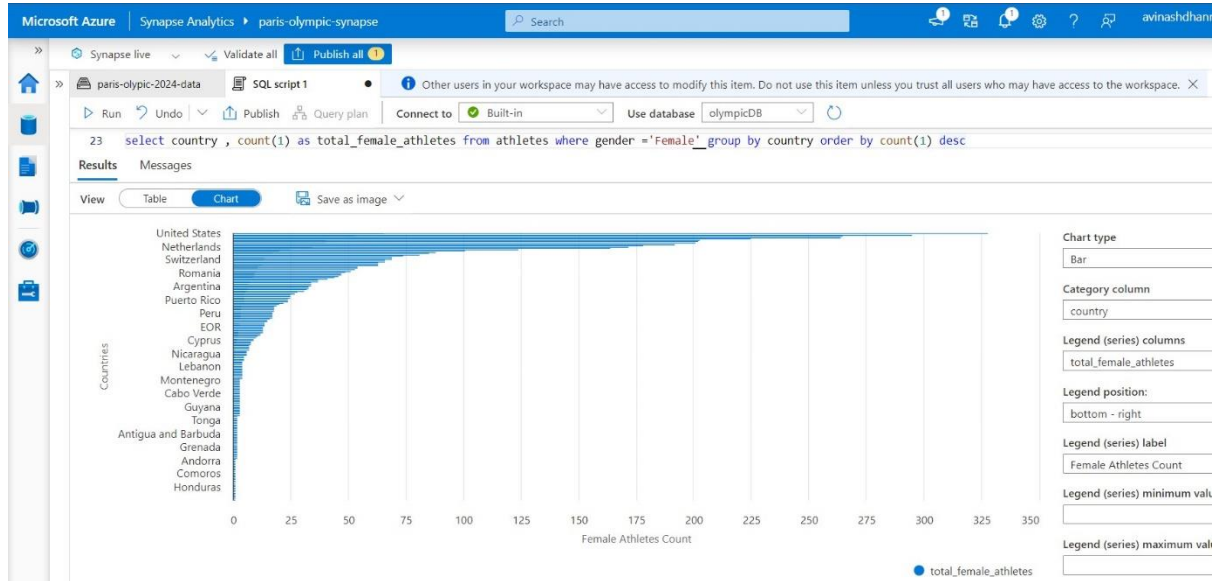
View | Table | Chart | Export results

country	total_female_athletes
United States	328
France	295
Australia	265
China	264
Germany	225
Canada	203
Spain	202
Japan	201
Italy	192
Great Britain	178
Netherlands	172

00:00:01 Query executed successfully.

# Paris Olympic 2024 Data Analysis

Viz:



## 7. Age less than 20

The screenshot shows the Microsoft Azure Synapse Analytics interface. The SQL script is as follows:

```
20 select * from (  
21 select *, DATEDIFF(YEAR, birth_date, GETDATE()) as age from athletes ) abc where abc.age < 20
```

The results are displayed in a table with the following columns: name, gender, country, sport, birth\_date, and age.

name	gender	country	sport	birth_date	age
SAADI Maesha	Female	Comoros	Swimming	2007-01-16	17
GUTIERREZ Julia	Female	Mexico	Rhythmic Gymnastics	2007-09-13	17
MAEDER Maximilian	Male	Singapore	Sailing	2006-09-12	18
ANAK LISES Bertrand Rhodict	Male	Malaysia	Diving	2005-05-28	19
NEMATZADEH Mobina	Female	IR Iran	Taekwondo	2005-05-17	19
STREHLKE DELGADO Paulo	Male	Mexico	Marathon Swimming	2006-01-10	18
ESTUDILLO TORRES Alejandra	Female	Mexico	Diving	2005-05-20	19
GIRMA Ermias	Male	Ethiopia	Athletics	2005-01-20	19
FAYISA Abdisa	Male	Ethiopia	Athletics	2005-04-24	19
HAYLOM Birke	Female	Ethiopia	Athletics	2006-01-06	18
MEJIA Dora	Female	Ethiopia	Athletics	2006-12-20	18