

# OLYMPIC GAMES ANALYSIS

1. Find number of athletes in year of 2000?

```
SELECT count( DISTINCT ID) AS num_athlete  
FROM athlete_events  
WHERE year = 2000;
```

Result

	num_athletes
▶	1887

2. Which countries send the most athletes to the Olympics?

```
SELECT region, count(ID) AS Num_athletes  
FROM athlete_events e  
LEFT JOIN country_definitions c  
ON e.noc = c.noc  
GROUP BY region  
ORDER BY Num_athlete DESC;
```

Report:

	region	Num_athletes
►	USA	3265
	Italy	2826
	France	2705
	UK	2321
	Germany	1987
	Canada	1839
	Russia	1777
	Australia	1550
	Sweden	1438
	Spain	1224
	Switzerl...	1037
	Romania	951
	Norway	851

3. Which country win most medals?

```
SELECT Medal, region, count(ID) AS Num_athlete
FROM athlete_events e
LEFT JOIN country_definitions c
ON e.noc = c.noc
WHERE Medal <> "NA"
GROUP BY medal
ORDER BY num_athlete DESC;
```

Report:

	region	Num_athlete	Medal
►	Denmark	2131	Gold
	Norway	2053	Silver
	Finland	1998	Bronze

4. Find the number of Genders In Olympic?

```
SELECT COUNT(ID) AS num_athlete, sex
FROM athlete_events
GROUP BY sex
ORDER BY num_athlete DESC;
```

Report:

	sex	num_athlete
►	M	32506
	F	11938

5. Find the female percentage in Olympics?

```
SELECT round(((SELECT Count(sex)
FROM athlete_events
WHERE sex = "F") / count(sex)) * 100, 2) AS "female%"
FROM athlete_events;
```

Report:

	female%
▶	26.86

6. Top 5 Sports played in olympic?

```
SELECT sport, Count(sport) AS num_sports
FROM athlete_events
GROUP BY sport
ORDER BY num_sports DESC
LIMIT 5;
```

Report:

	sport	num_sports
▶	Athletics	6919
	Gymnastics	4026
	Swimming	3928
	Shooting	1907
	Cycling	1829

7. Find the Average age of the players in olympic?

```
Select Round(AVG(age),0) AS "Average age of players"
From athlete_events;
```

Report:

	Average age of players
▶	26

8. which year most events happen?

```
SELECT year, count(DISTINCT event)
AS num_events
FROM athlete_events
GROUP BY year
ORDER BY num_events DESC;
```

Report:

	year	num_events
▶	1992	310
	2016	305
	2008	301
	2012	298
	2000	296
	2004	295
	1988	281
	1996	269
	1984	258
	1980	234
	1976	233
	1972	224
	1968	204

9. find which athlete gets the most gold medal?

```
SELECT name, count(medal)
AS num_golds
FROM athlete_events
WHERE medal= "gold"
GROUP BY 1
ORDER BY 2 DESC;
```

Report:

	name	num_golds
►	Matthew Nicholas "Matt" Biondi"	8
	Ole Einar Bjrndalen	8
	Usain St. Leo Bolt	8
	Nikolay Yefimovich Andrianov	7
	Vra slavsk (-Odloilov)	7
	Viktor Ivanovych Chukarin	7
	Viktor An	6
	Marit Bjrgen	6
	Nathan Ghar-Jun Adrian	5
	Thomas Alsgaard (Alsgrd-)	5
	Polina Hryhorivna Astakhova	5
	Bonnie Kathleen Blair (-Cruiksha...	5
	Chen Ruolin	5