120 Years of Olympic Games - Interactive Dashboard

INTORDUCTION

As a sports enthusiast, I decided to combine my passion with my desire to practice DAX and Data Visualization by creating an interactive Olympics Dashboard that spans over 120 years of Olympic Games, from Athens 1896 to Rio 2016. This project not only allowed me to deepen my knowledge of Power BI but also gave me the chance to explore creative visualizations using a few DAX tricks. The result is a dynamic, user-friendly dashboard that lets viewers explore a rich history of Olympic performance, offering insights into athlete achievements, medal counts, and more in a visually engaging way.

History

The Olympic Games have a rich history, starting in ancient Greece around 776 BCE as a festival to honor Zeus. They were revived in 1896 by Baron Pierre de Coubertin, beginning the modern Olympics in Athens. Over time, the Games have evolved into a global event, featuring athletes from over 200 nations, with milestones like the inclusion of women in 1900, the launch of the Winter Olympics in 1924, and innovations like global broadcasting. Today, the Olympics symbolize excellence, unity, and the celebration of diverse athletic talents.

Key Milestones in Olympic History

1900: Women participated for the first time in the Paris Games.
1924: The first Winter Olympics were held in Chamonix, France.
1936: The Berlin Games were marked by political tension and Jesse Owens' historic performance.
1960: The Rome Games introduced live global television broadcasting.
1980 & 1984: Boycotts during the Cold War highlighted geopolitical tensions.
2000: The Sydney Olympics were celebrated as the most inclusive Games.
2012: London became the first city to host the Games three times.

Total Athlete	Total Sport	Total Team	Total Country	Total Events	Female Athlete	Male Athlete
271116	66	1184	230	42	74522	196594

Gold Winners: A Name-Wise Breakdown

Medal	Count
1	13372
2	13116
3	13295

Name	Gold
Michael Fred Phelps, II	23
Raymond Clarence "Ray" Ewry	10
Frederick Carlton "Carl" Lewis	9
Larysa Semenivna Latynina (Diriy-)	9
Mark Andrew Spitz	9
Paavo Johannes Nurmi	9

Time Frame

1896   2016

Athlete by Sport
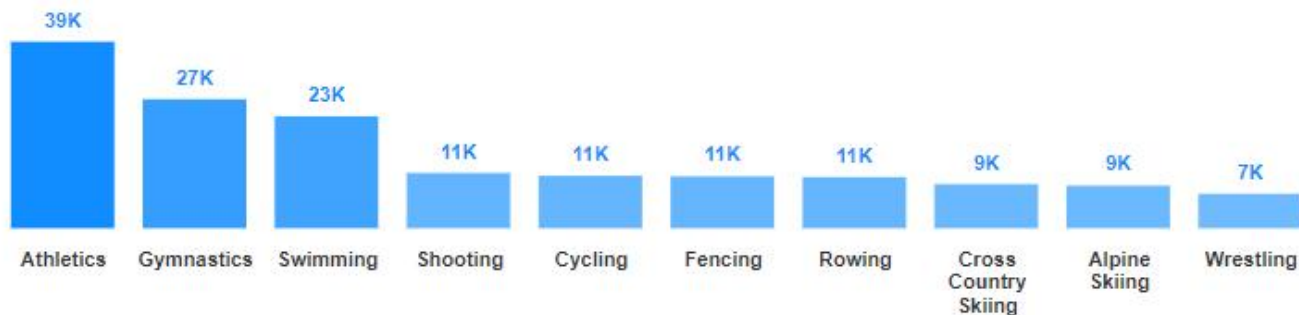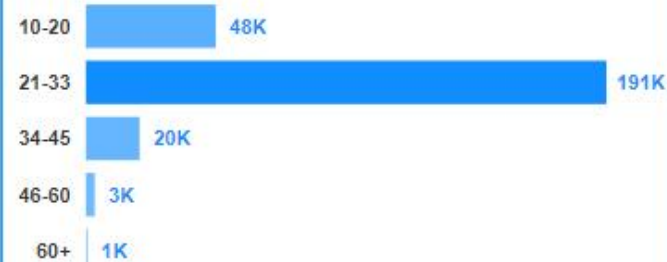
Sport	Count
Athletics	39K
Gymnastics	27K
Swimming	23K
Shooting	11K
Cycling	11K
Fencing	11K
Rowing	11K
Cross Country Skiing	9K
Alpine Skiing	9K
Wrestling	7K

Athlete by Age (groups)

Age group	Count
10-20	48K
21-33	191K
34-45	20K
46-60	3K
60+	1K

	Total Athlete	Total Sport	Total Team	Total Country	Total Events	Female Athlete	Male Athlete
	271116	66	1184	230	42	74522	196594

Country	Gold	Silver	Bronze	Medal
United States	2474	1512	1233	17847
Germany	679	627	678	9326
Soviet Union	1058	716	677	5535
France	455	518	577	11988
Great Britain	519	582	572	11404
Australia	342	453	511	7513
Sweden	451	476	507	8052
Italy	535	508	484	10260
Finland	198	263	415	5379
Canada	422	413	408	9279
Russia	366	351	393	4922
Netherlands	277	321	390	5718
Hungary	432	330	365	6547
Japan	247	307	357	8289
Romania	161	200	290	4303
Norway	299	330	281	4708
China	308	325	268	4975
East Germany	369	309	263	2543
Poland	117	193	253	6143
Switzerland	144	213	231	5844
West Germany	155	184	219	3199
Brazil	103	161	185	3772
Total	13372	13116	13295	271116

Country

All

Bronze | **Gold** | **Silver**

Microsoft Bing

© 2024 Microsoft Corporation Terms

Dashboard Metrics

Total Athlete	Total Sport	Total Team	Total Country	Total Events	Female Athlete	Male Athlete
271116	66	1184	230	42	74522	196594

Medal Distribution by Gender

74.52K (27.49%)
196.59K (72.51%)

● M ● F

Gold, Silver and Bronze

33.42%
33.61%
32.97%
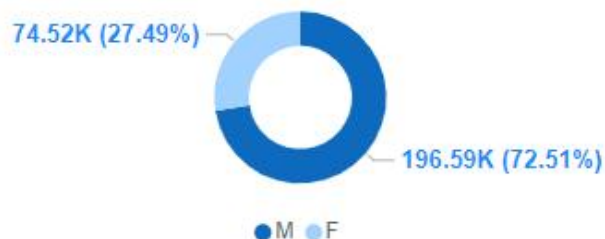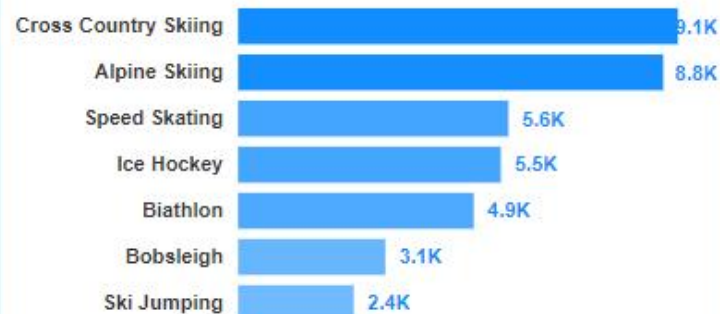
● Gold ● Silver ● Bronze
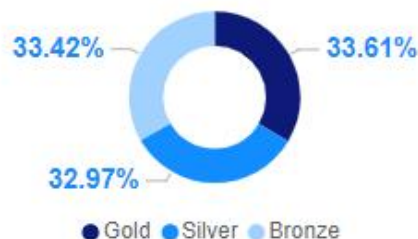
Sport

- ☐ Aeronautics
- ☐ Alpine Skiing
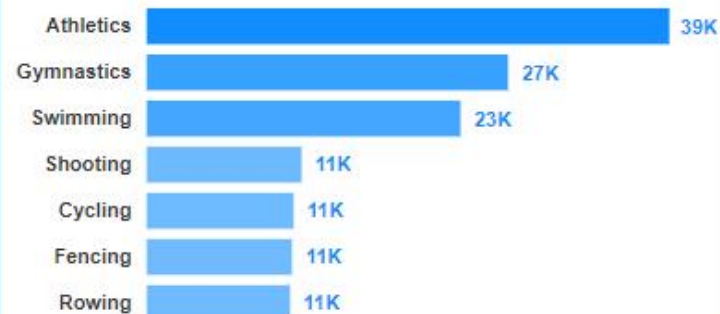- ☐ Alpinism
- ☐ Archery
- ☐ Art Competitions
- ☐ Athletics

City

- ☐ Albertville
- ☐ Amsterdam
- ☐ Antwerpen
- ☐ Athina
- ☐ Atlanta
- ☐ Barcelona

Winter Athletes by Sport

Sport	Athletes
Cross Country Skiing	9.1K
Alpine Skiing	8.8K
Speed Skating	5.6K
Ice Hockey	5.5K
Biathlon	4.9K
Bobsleigh	3.1K
Ski Jumping	2.4K

Summer Athletes by Sport

Sport	Athletes
Athletics	39K
Gymnastics	27K
Swimming	23K
Shooting	11K
Cycling	11K
Fencing	11K
Rowing	11K

Medal Distribution Year (groups)

14.3%
54.25%
31.45%

● 1948-1998 ● 2000-2016 ● 1896-1936