

# OLYMPICS

## THE MEDAL RACE

# PROJECT OVERVIEW

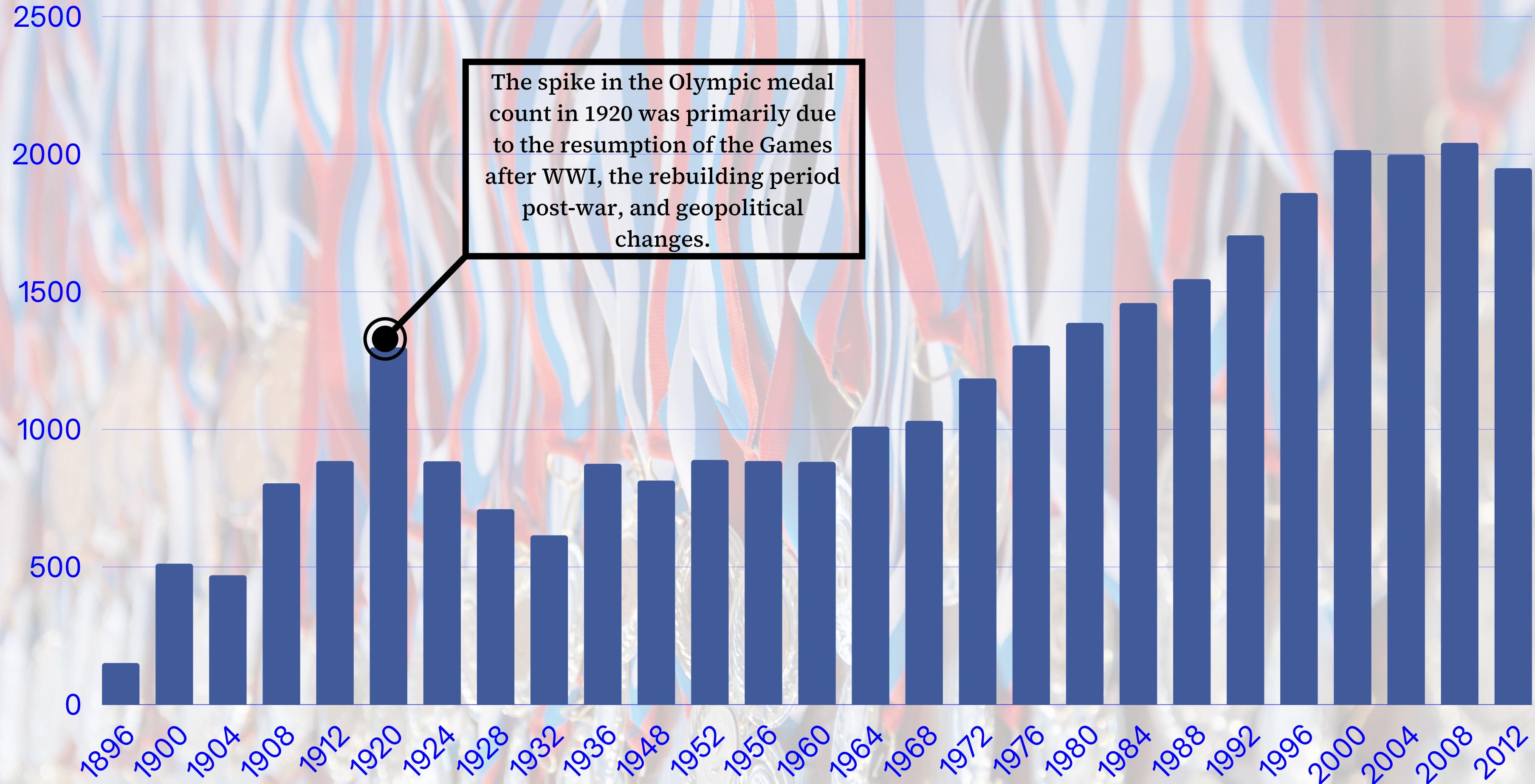
In this project, we will provide a comprehensive analysis of Olympic medal distribution to uncover patterns and insights into what drives success at the Olympic Games. By examining the total medal counts by country, tracking changes in medal distribution over the years, identifying the sports awarding the most medals, highlighting top-performing athletes and exploring the relationship between a country's GDP and its medal count, we seek to tell a compelling story of Olympic achievement and its underlying factors.





OLYMPIC MEDALS  
AWARDED  
BY OLYMPIC YEAR:  
1896-2012

## Medal Count By Olympic Year





# Contributing factors for the rise in medal count from 1896-2012:

1

## Increase in Number of Participating Countries

**Global Expansion:** Initially, the Olympics had fewer participating nations. Over the years, the number of countries participating in the Games has increased significantly, resulting in more athletes competing and more medals awarded.

**Decolonization:** As countries gained independence, especially in the mid 20th century, more nations were able to participate under their own flag.

2

## Addition of New Sports & Events

**Program Expansion:** The Olympic program expanded to include a variety of new sports and events. For example, sports like basketball, volleyball, and judo were added in the 20th century, and events like BMX cycling and triathlon were added in the 21st century.

**Inclusion of Women's Events:** Over time, more events for women have been included in the Olympics, increasing the overall medal count. The inclusion of women's sports has significantly contributed to the rise in the number of events and medals.

3

## Growth in Number of Events within Sports

**Event Diversification:** Existing sports have expanded to include more events. For instance, swimming and athletics have introduced various distances and styles, increasing the number of medals awarded in these sports.

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## Introduction of Team Sports

**Team Competitions:** The inclusion of team sports such as football, basketball, and hockey has added numerous medal opportunities. Each team event typically awards three sets of medals (gold, silver and bronze).

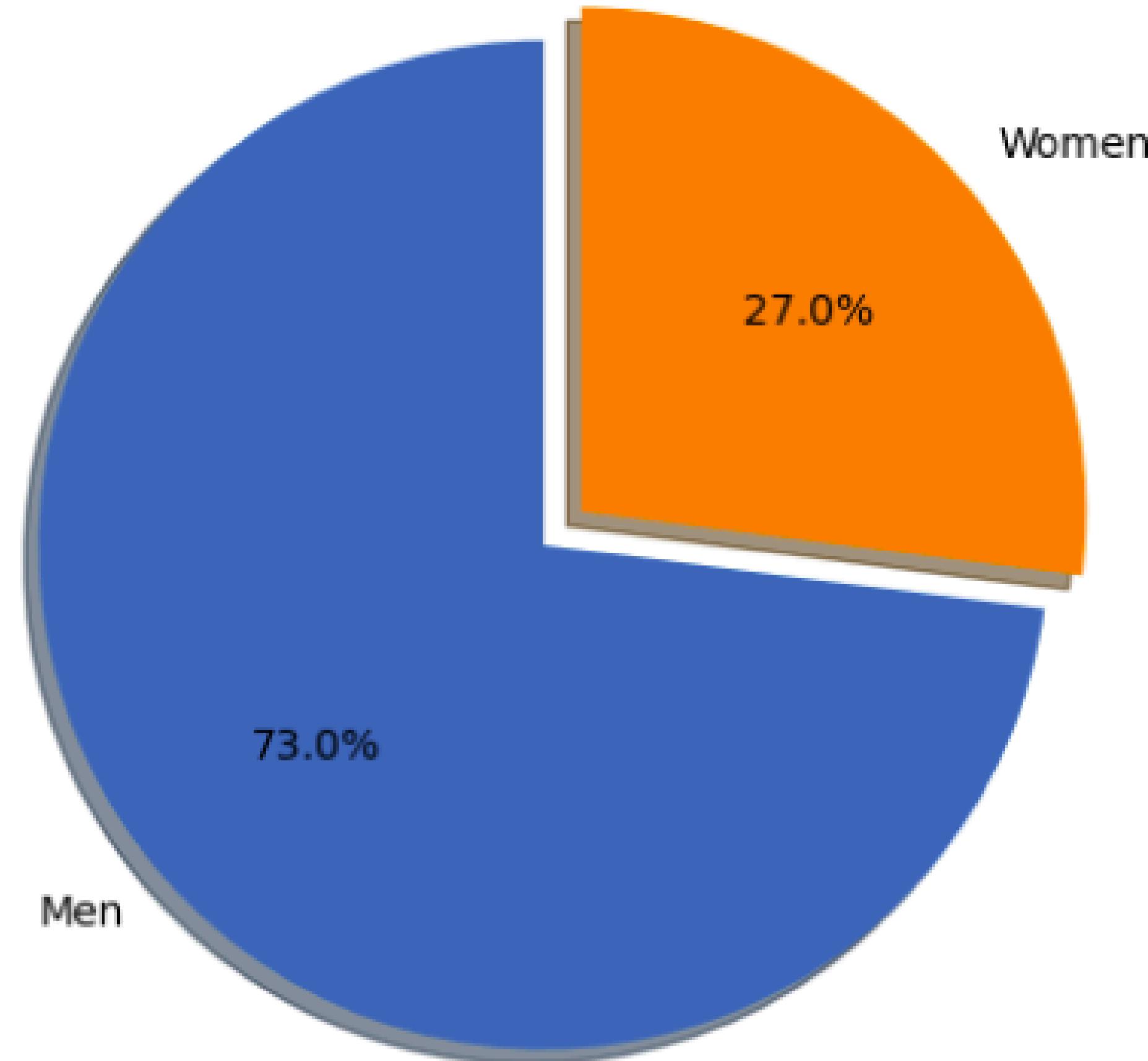
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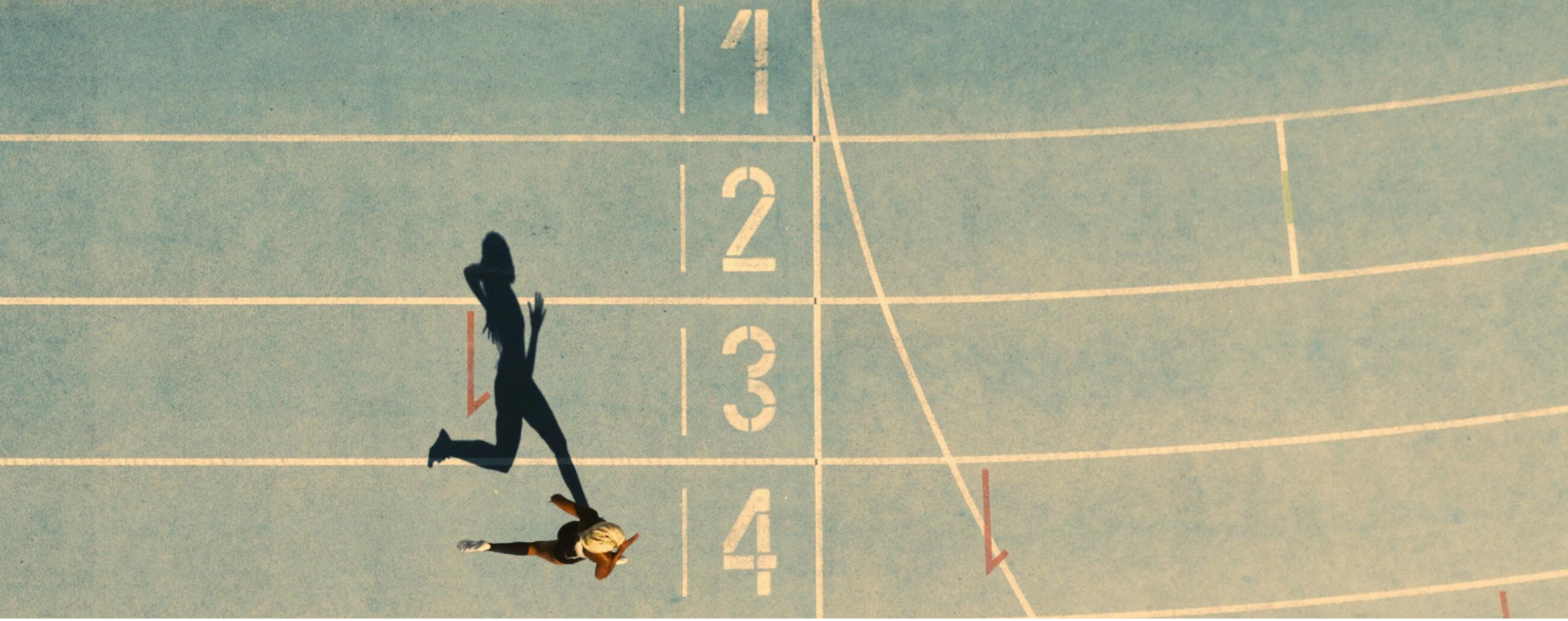
## Changes in Olympic Policies

**Inclusion Policies:** The International Olympic Committee (IOC) has made efforts to be more inclusive, leading to a wider range of sports and events being featured in the Games.

**Professional Athletes:** Since the 1980s, the relaxation of rules regarding professional athletes has allowed a higher caliber of competitors, which has increased the level of competition and the number of participants.

## Total Medals by gender from 1896 to 2012





## TOP ATHLETES BY MEDAL

Let's celebrate the incredible achievements of Olympic legends like Michael Phelps, who holds the record for the most Olympic medals, and other extraordinary athletes who have left their mark on history.



# MICHAEL PHELPS

2000 Sydney Olympics

- Age: 15 years old
- Events: Competed in 200m butterfly
- Achievements: Finished 5th in the final, marking the beginning of his Olympic career

2004 Athens Olympics

- Age: 19 years old
- Total Medals: 8 (6 Gold, 2 Bronze)

2008 Beijing Olympics

- Age: 23 years old
- Total Medals: 8 (All Gold)
  - Set a record for the most gold medals in a single Olympics

2012 London Olympics

- Age: 27 years old
- Total Medals: 6 (4 Gold, 2 Silver)

2016 Rio de Janeiro Olympics

- Age: 31 years old
- Total Medals: 6 (5 Gold, 1 Silver)

**GOLD MEDALS:**

**14**

**SILVER MEDALS:**

**2**

**BRONZE MEDALS:**

**2**



# LARISA LATYNINA

1956 Melbourne Olympics

- Age: 21 years old
- Total Medals: 6 (4 Gold, 2 Silver)

1960 Rome Olympics

- Age: 25 years old
- Total Medals: 6 (4 Gold, 1 Silver, 1 bronze)

1964 Tokyo Olympics

- Age: 29 years old
- Total Medals: 6 (2 Gold, 2 Silver, 2 Bronze)

**GOLD MEDALS:**  
**9**

**SILVER MEDALS:**  
**5**

**BRONZE MEDALS:**  
**4**



# NIKOLAY ANDRIANOV

1972 Munich Olympics

- Age: 19 years old
- Total Medals: 7 (3 Gold, 2 Silver, 1 Bronze)

1976 Montreal Olympics

- Age: 23 years old
- Total Medals: 7 (4 Gold, 2 Silver, 2 Bronze)

1980 Moscow Olympics

- Age: 27 years old
- Total Medals: 5 (2 Gold, 2 Silver, 1 Bronze)

**GOLD MEDALS:**

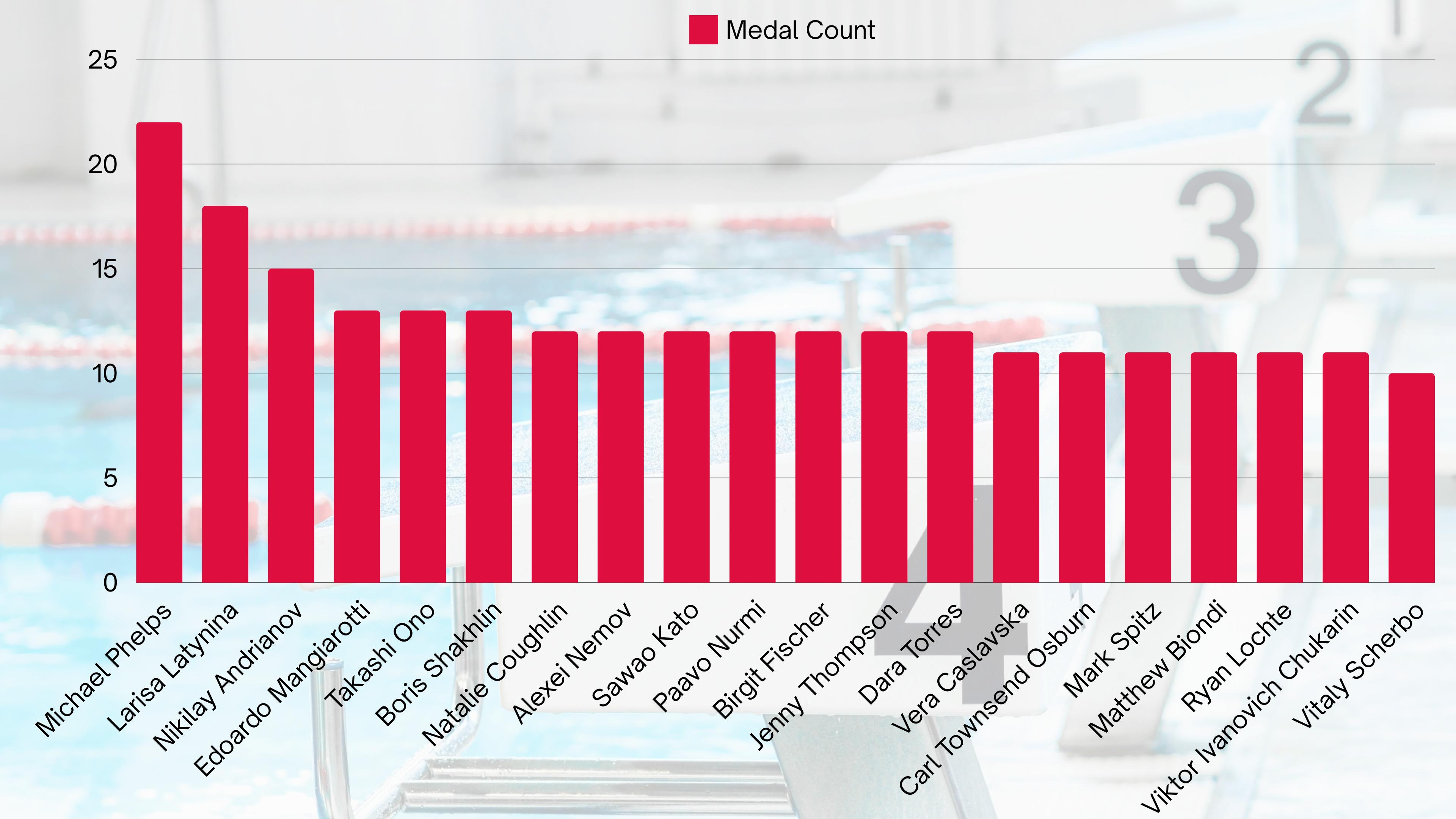
**7**

**SILVER MEDALS:**

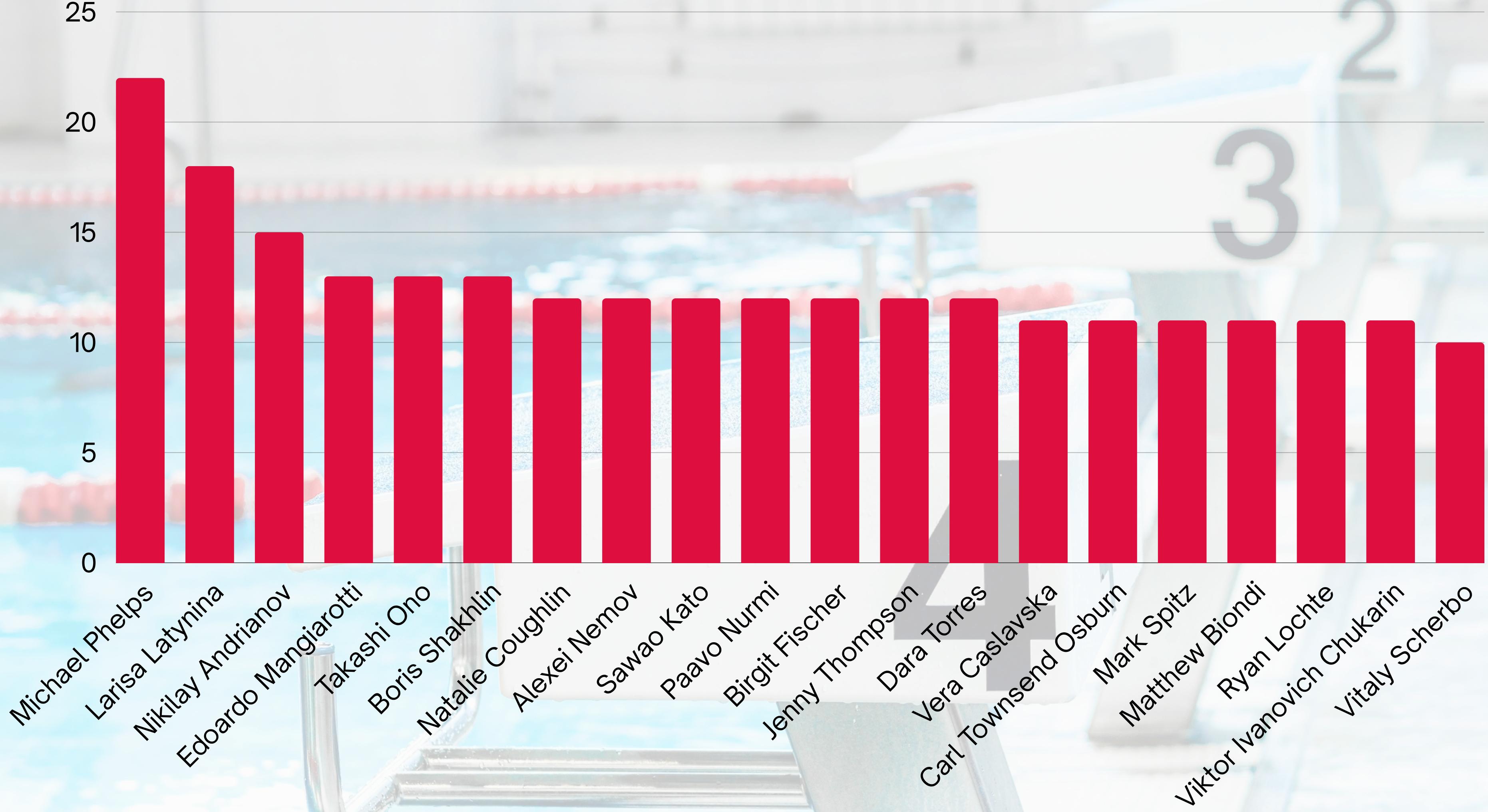
**5**

**BRONZE MEDALS:**

**3**



## Medal Count



# TOP ATHLETES BY MEDAL COUNT

Michael Phelps: 22

Larisa Latynina: 18

Nikolay Andrianov: 15

Edoardo Mangiarotti: 13

Takashi Ono: 13

Boris Shakhlin: 13

Natalie Coughlin: 12

Alexei Nemov: 12

Sawao Kato: 12

Paavo Nurmi: 12

Birgit Fischer: 12

Jenny Thompson: 12

Dara Torres: 12

Vera Caslavská: 11

Carl Townsend Osburn: 11

Mark Spitz: 11

Matthew Biondi: 11

Ryan Lochte: 11

Viktor Ivanovich Chukarin: 11

Viitaly Scherbo: 10

Aleksandr Dityatin: 10

Akinori Nakayama: 10

Agnes Keleti: 10

Franziska Van Almsick: 10

Polina Astakhova: 10

Aladar Gerevich: 10

Carl Lewis: 10

Gary Hall Jr.: 10

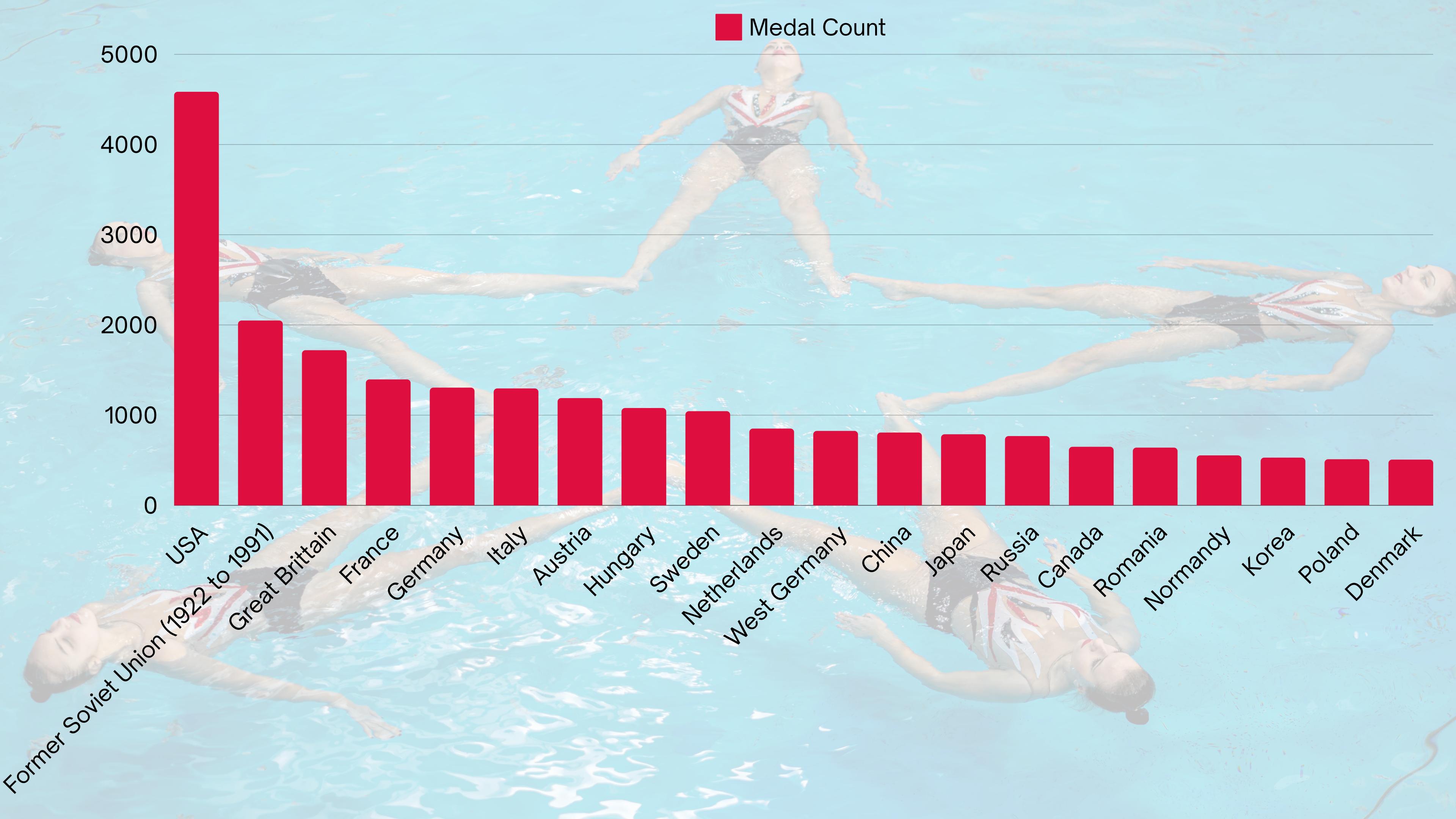
Lyudmila Turischeva: 9

Giulio Gaudini: 9

# MEDALS BY COUNTRY

Which countries have dominated the Olympic podium? We'll take a look at the nations that consistently produce world-class athletes and their impressive medal counts.

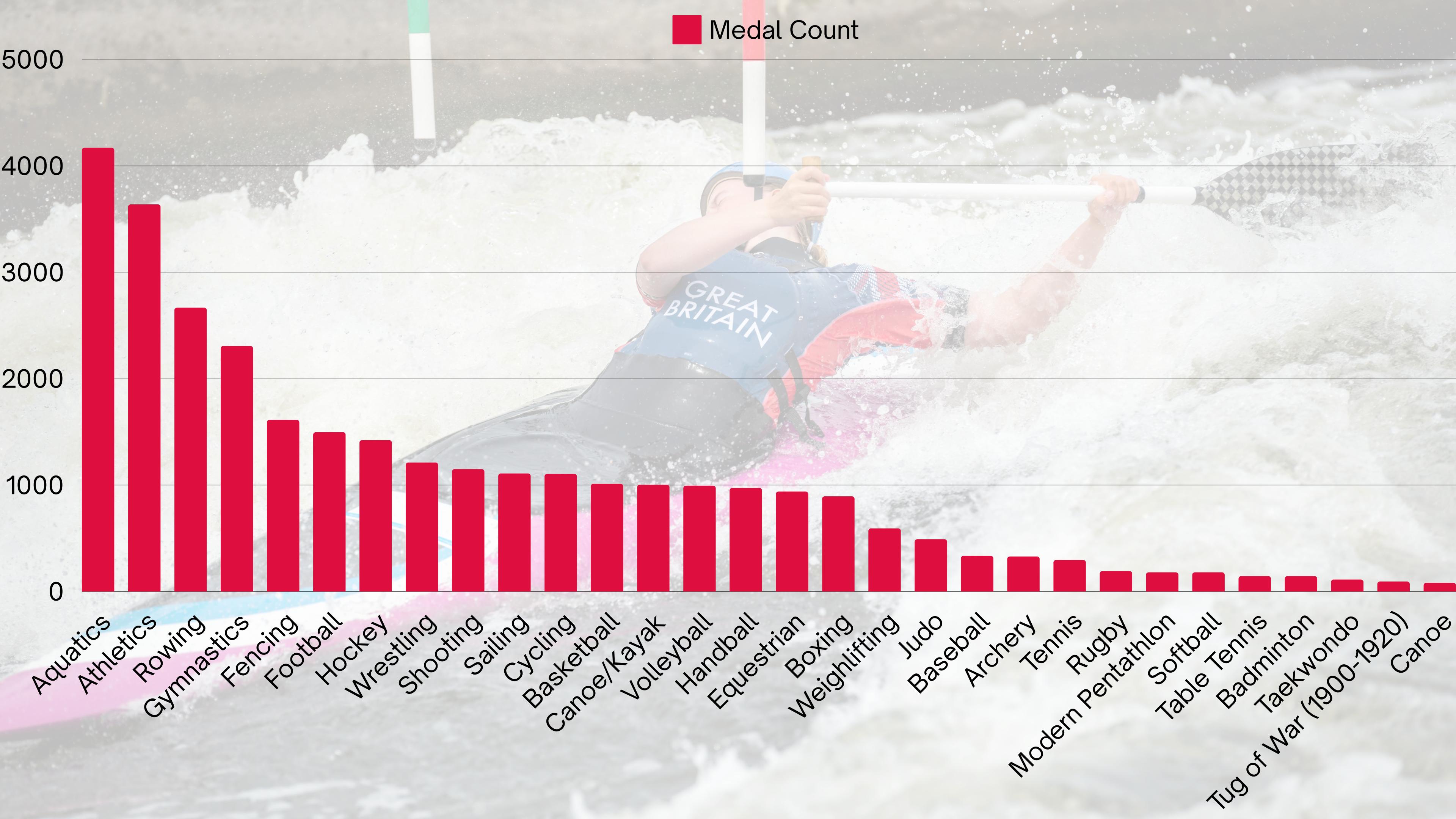






## MEDALS BY SPORT

Over the years, some sports have consistently led in medal counts. We'll explore the trends and see which sports have maintained their dominance.

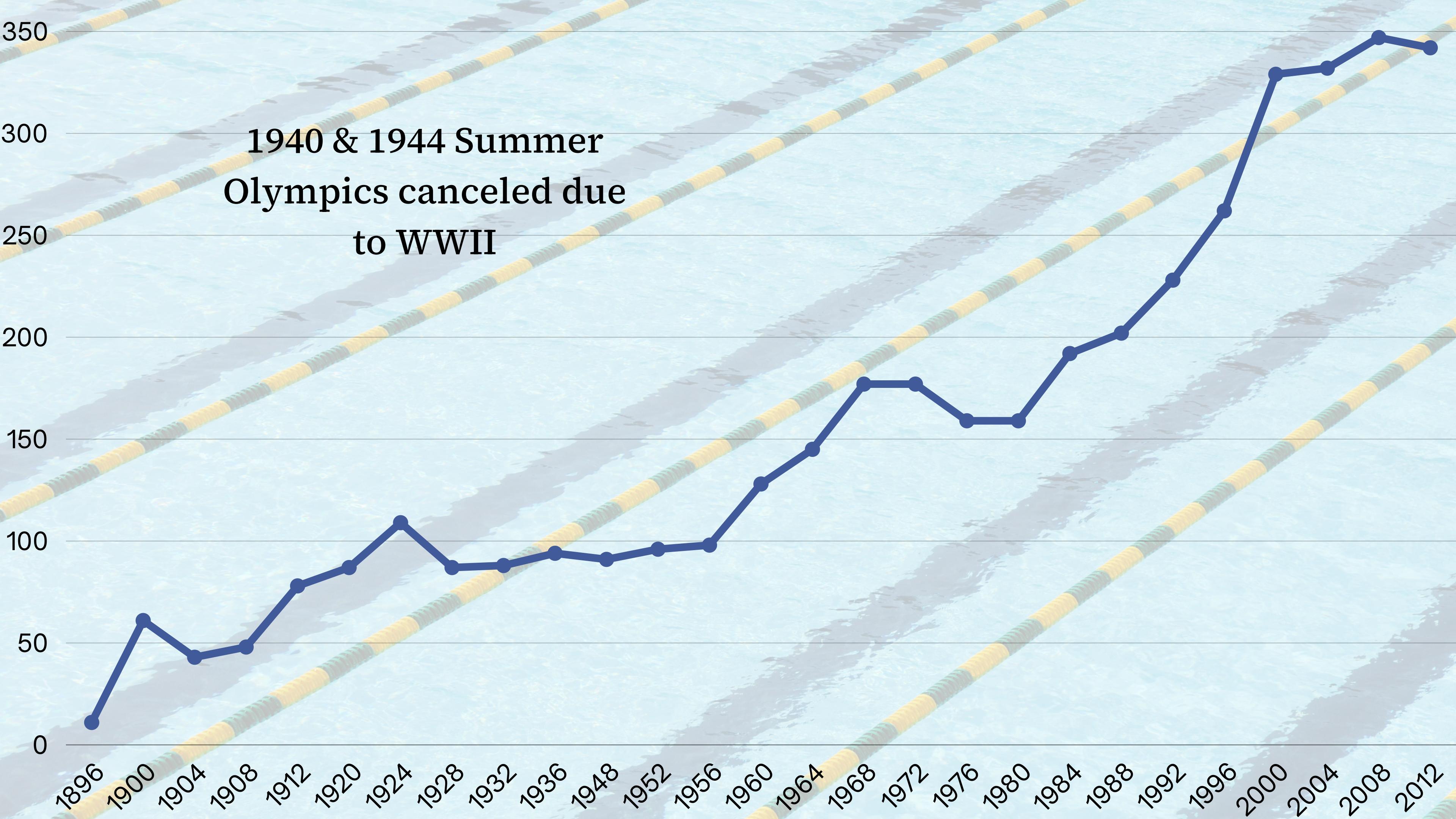


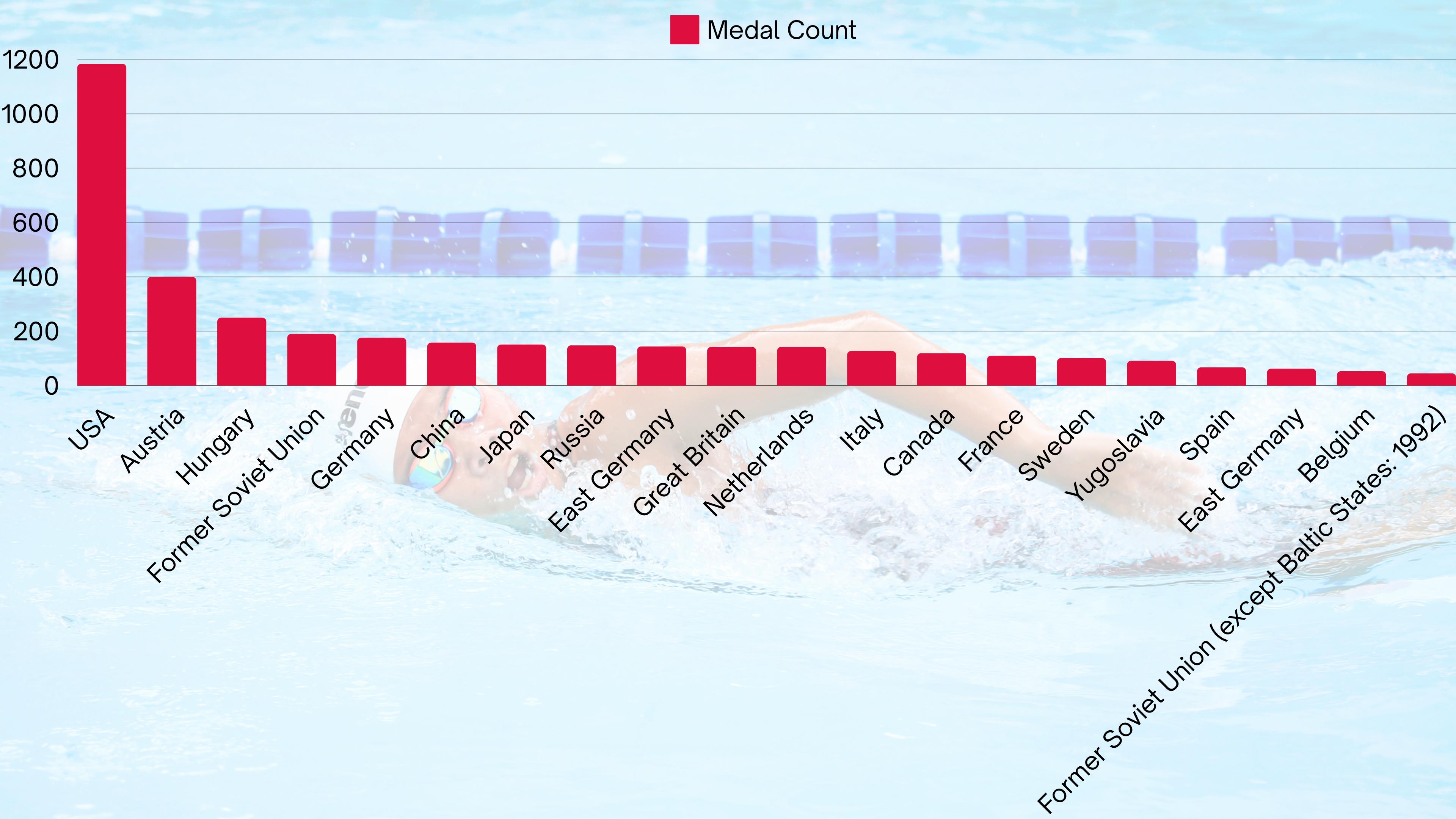
# Aquatic Medals

The aquatic events showcase extraordinary feats of endurance and skill. Let's dive into the medal counts for swimming, diving and more!



1940 & 1944 Summer  
Olympics canceled due  
to WWII

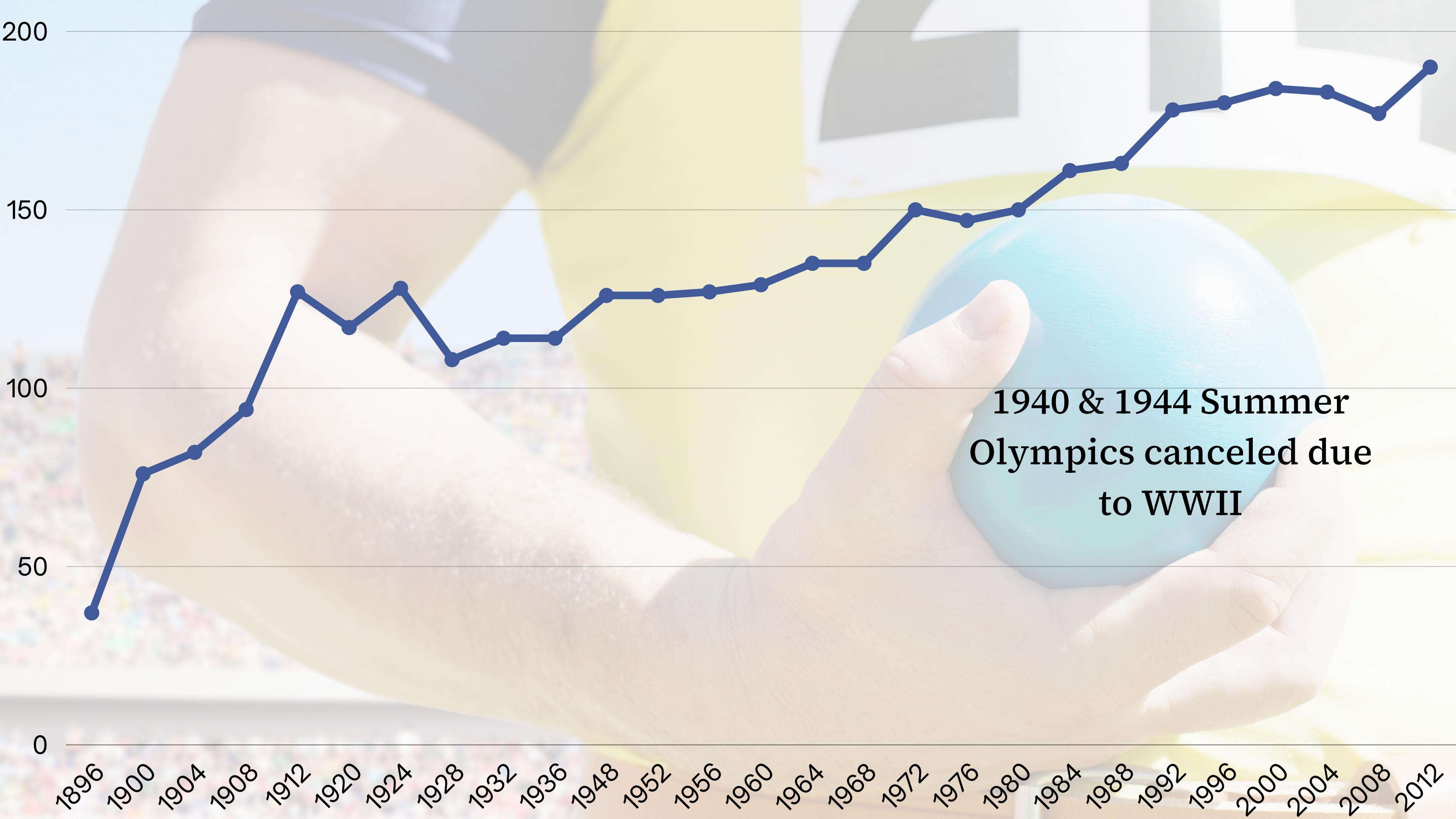




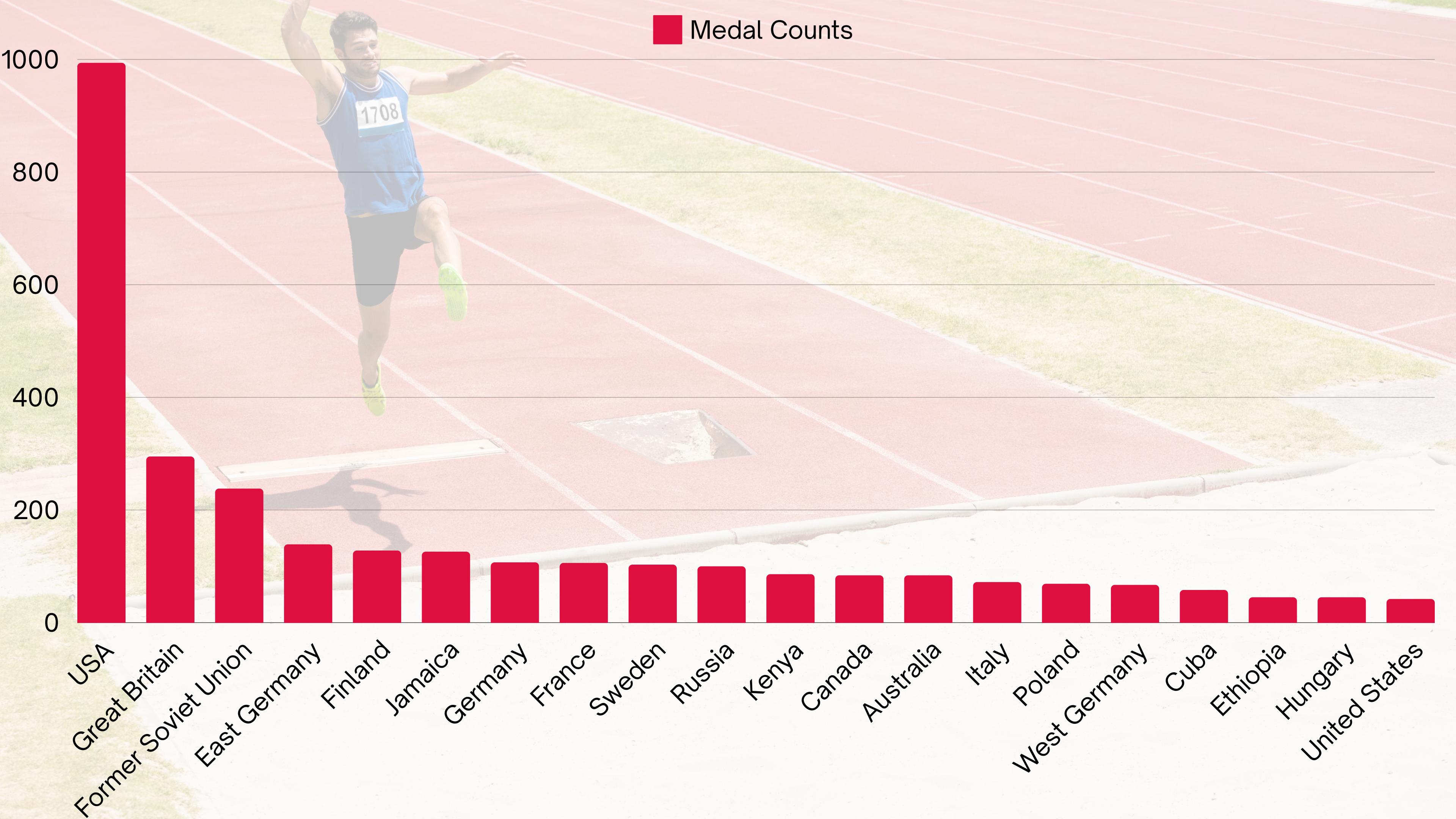
# Track & Field Medals

Track and field events are at the heart of the Olympics. From sprints to marathons, we'll highlight the events that have captivated audiences and produced numerous medalists.





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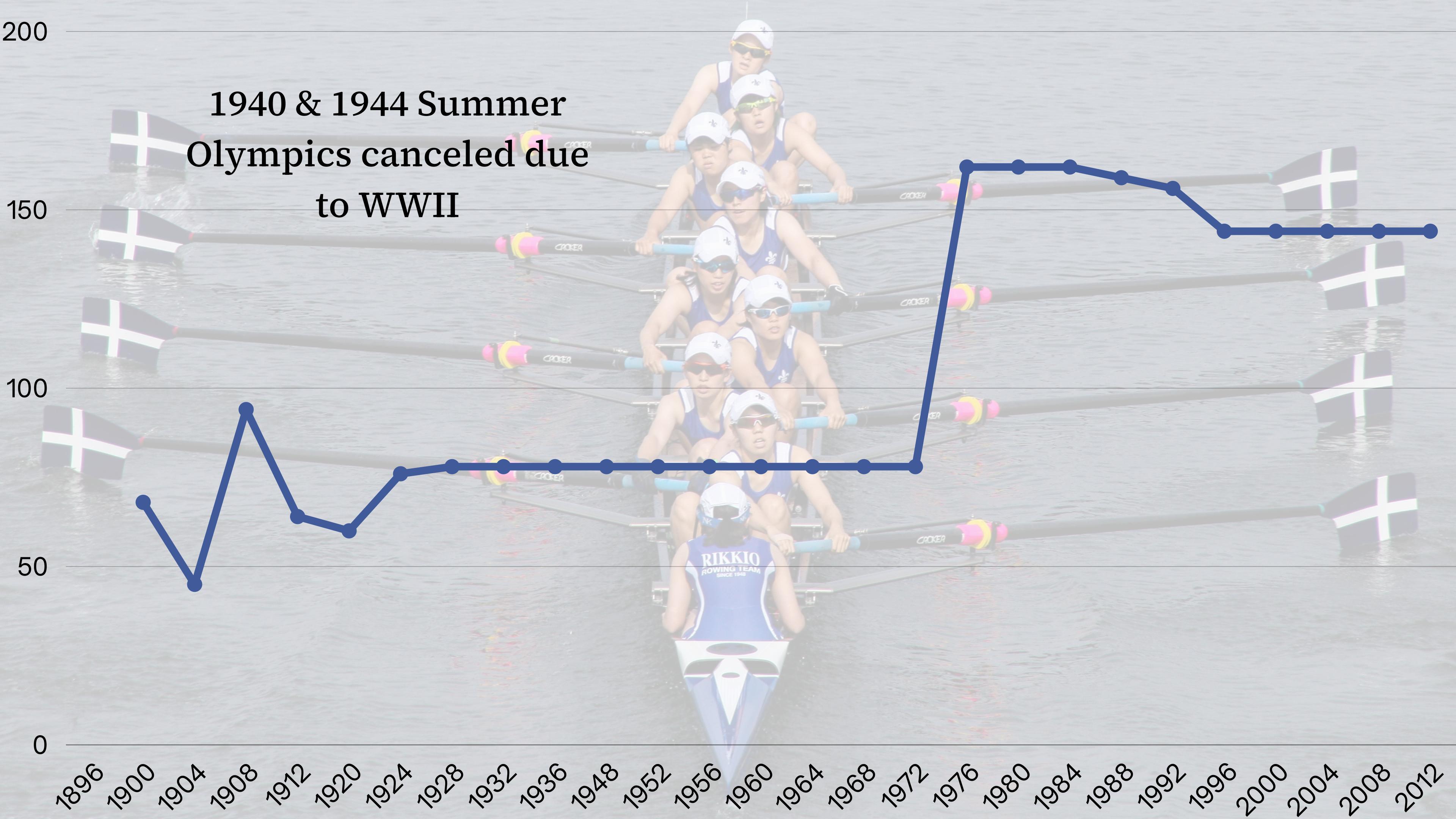


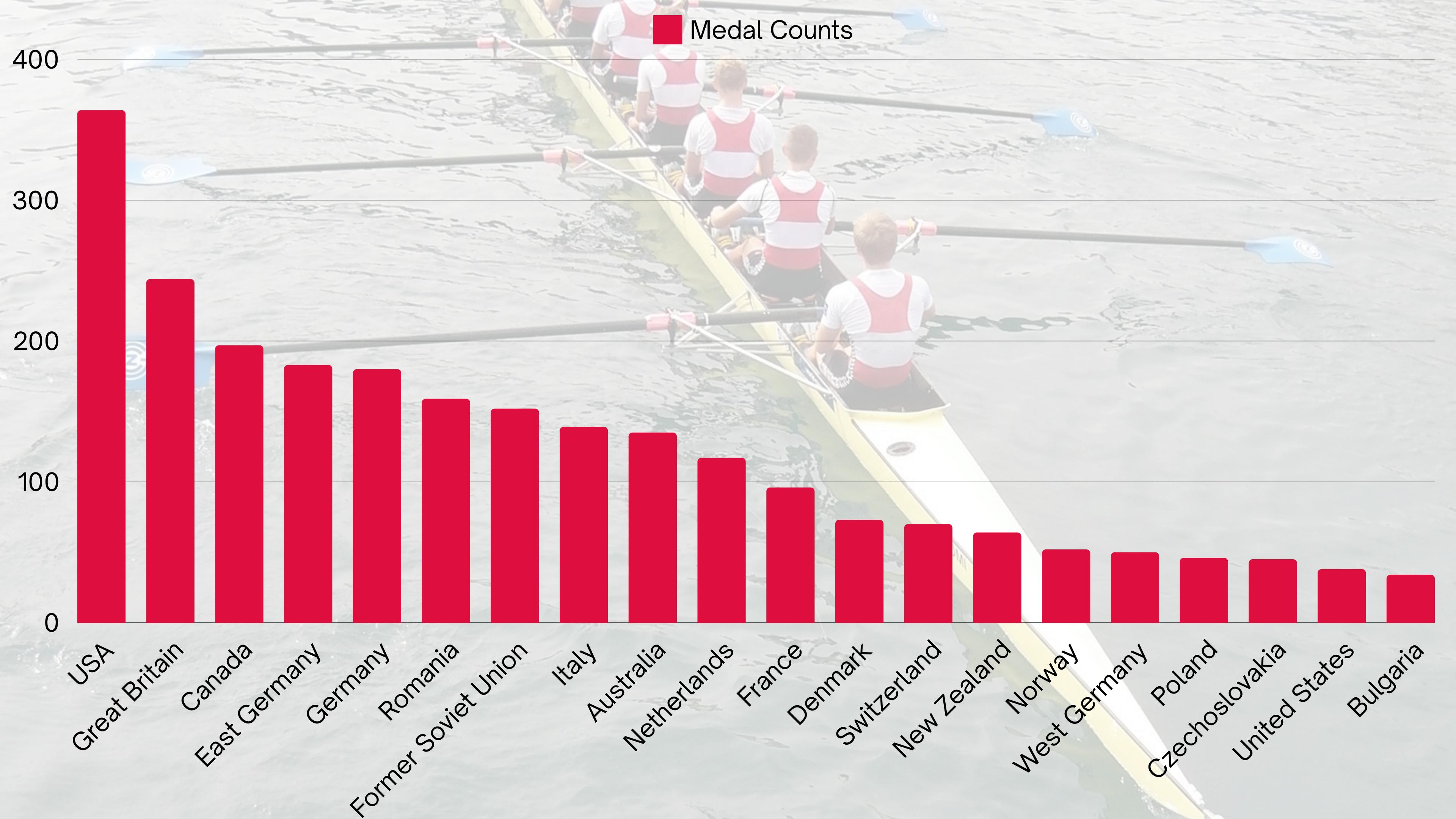
# Rowing Medals

Rowing is a test of teamwork and strength. We'll row through the history of medals in this demanding sport.



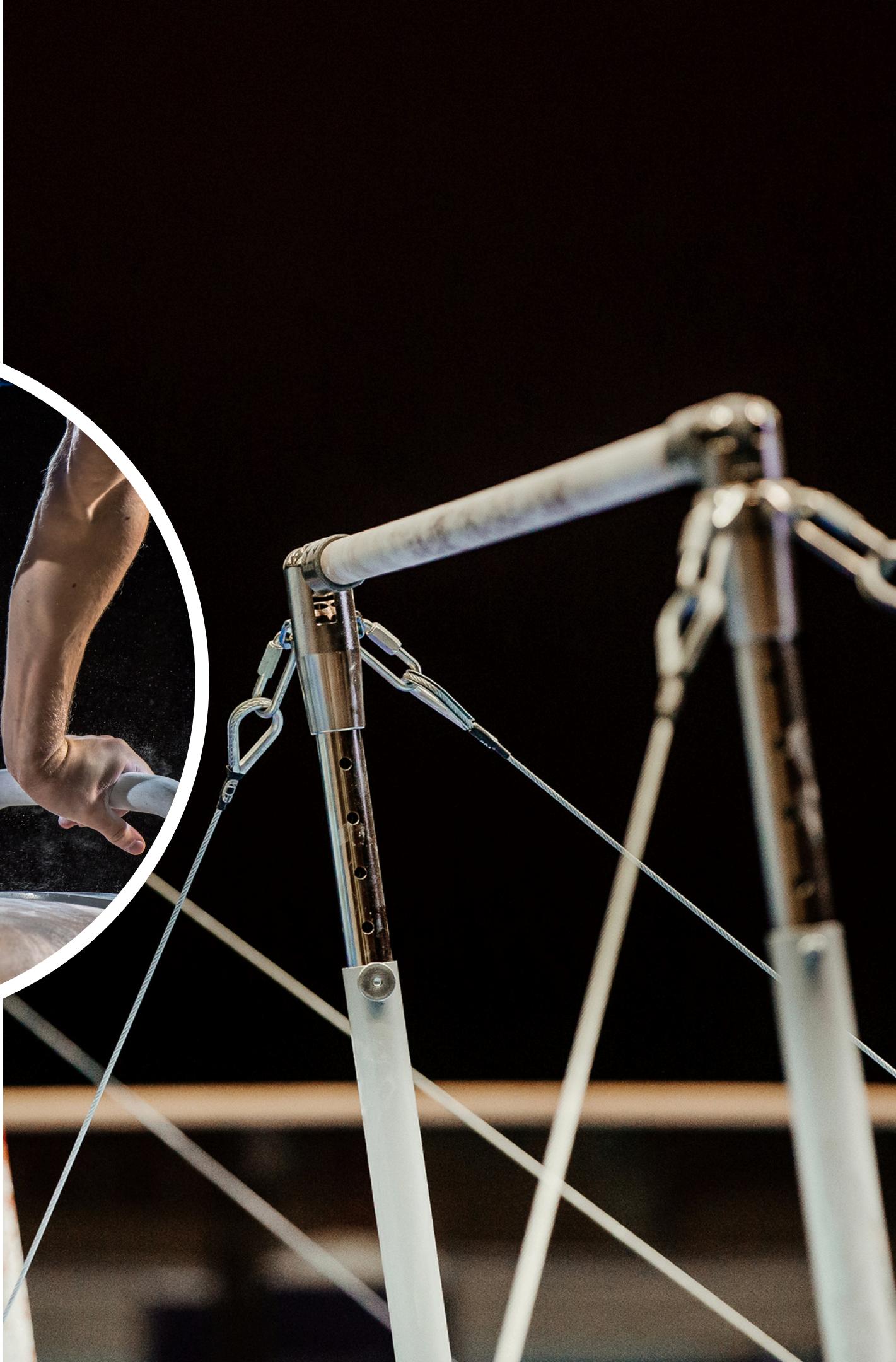
1940 & 1944 Summer  
Olympics canceled due  
to WWII





# Gymnastics Medals

Gymnastics combines grace, power, and precision. Let's look at the countries that have excelled in this awe-inspiring sport and their medal achievements.



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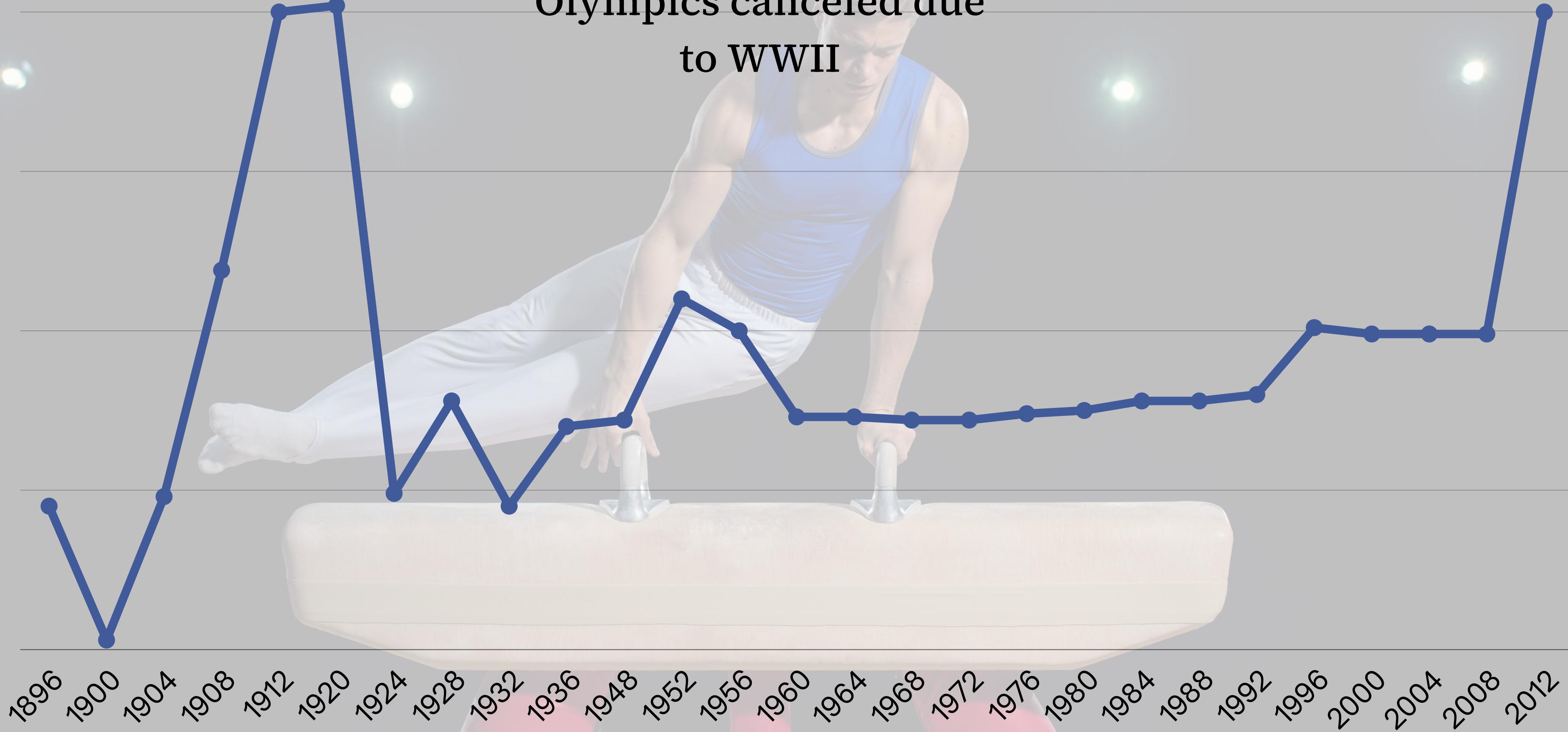
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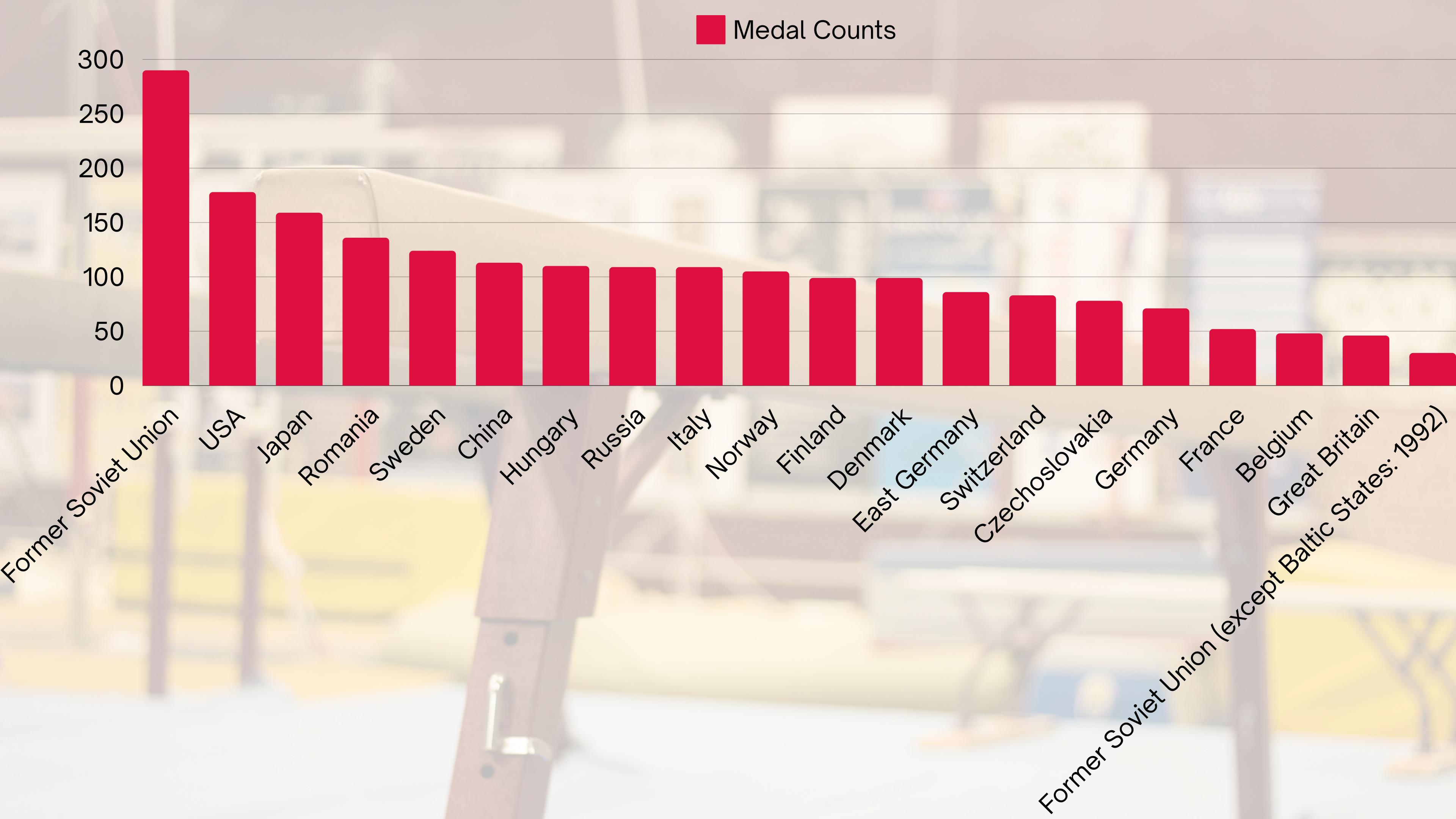
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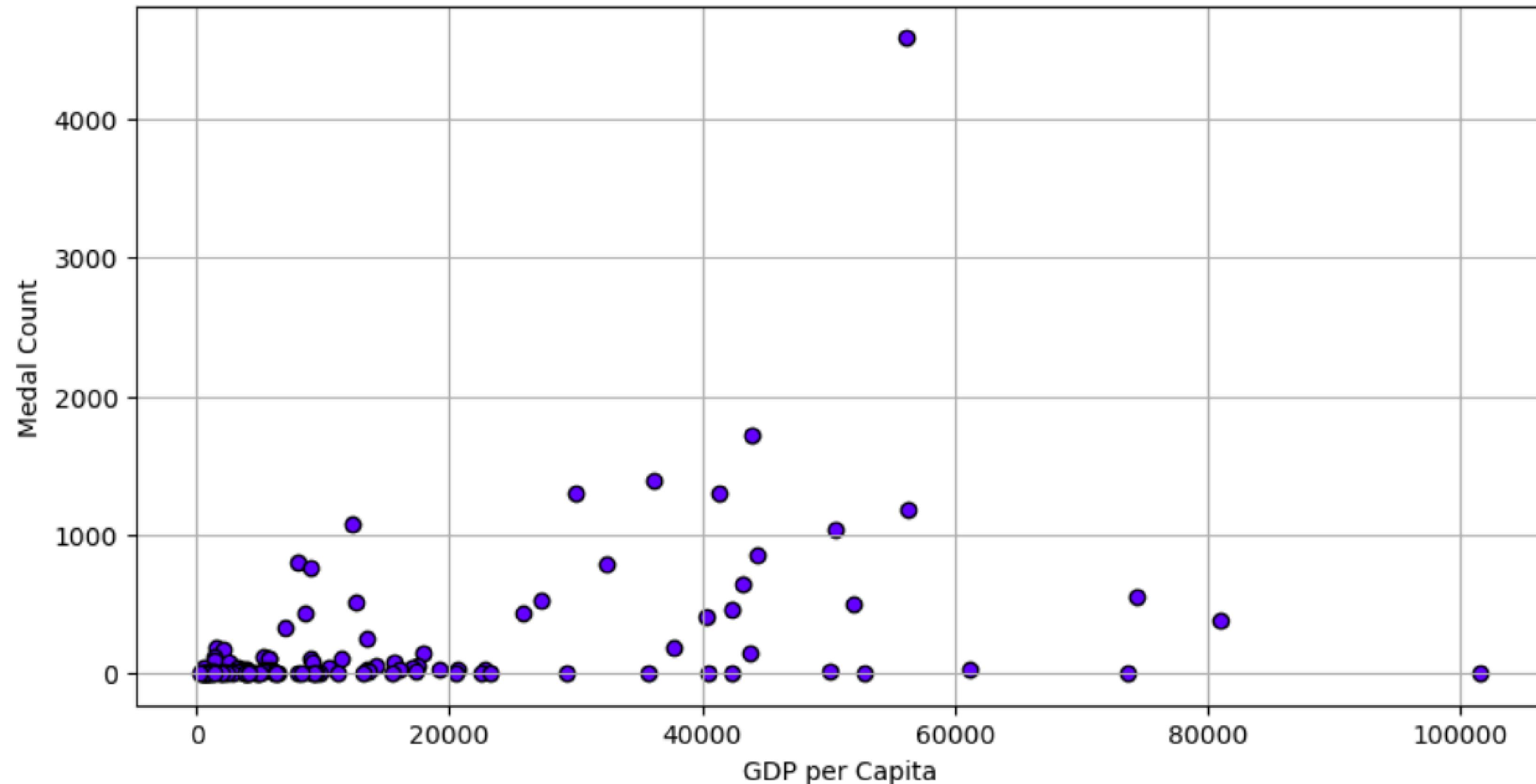


# GDP Per Capita Correlation

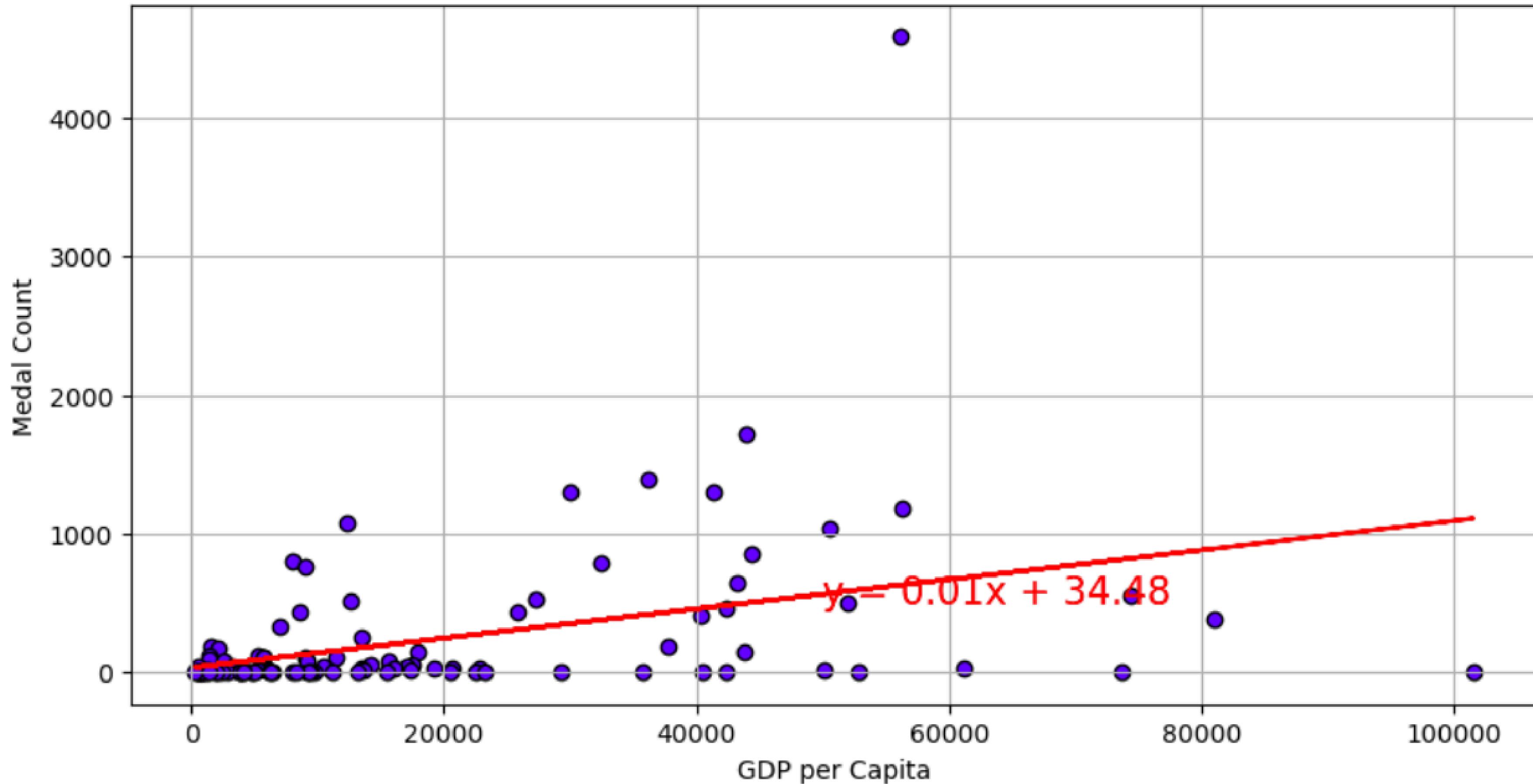
Is there a link between a country's economic strength and its Olympic success? We'll analyze the correlation between GDP per capita and medal counts to uncover any patterns..



### GDP per Capita vs. Medal Count



## GDP per Capita vs. Medal Count





**THANK YOU**