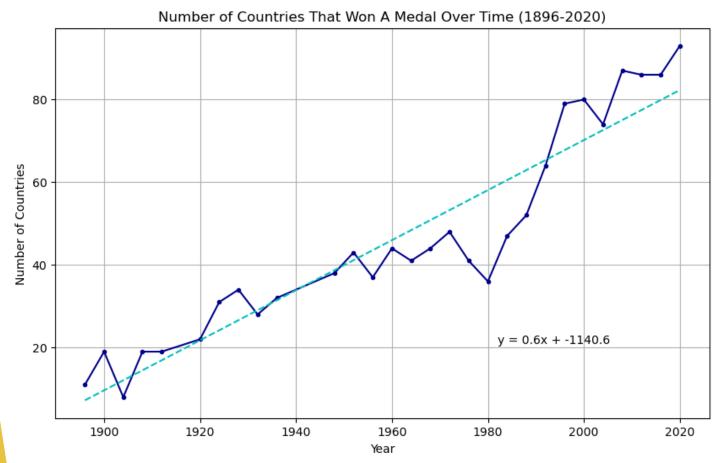
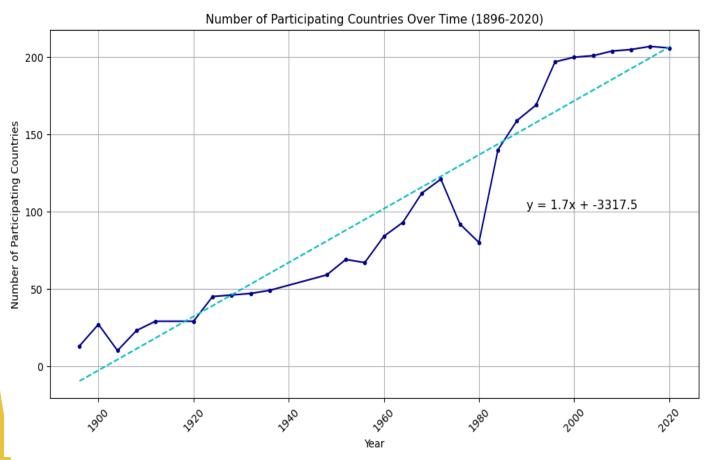


How has the addition of new countries affected the Olympics?



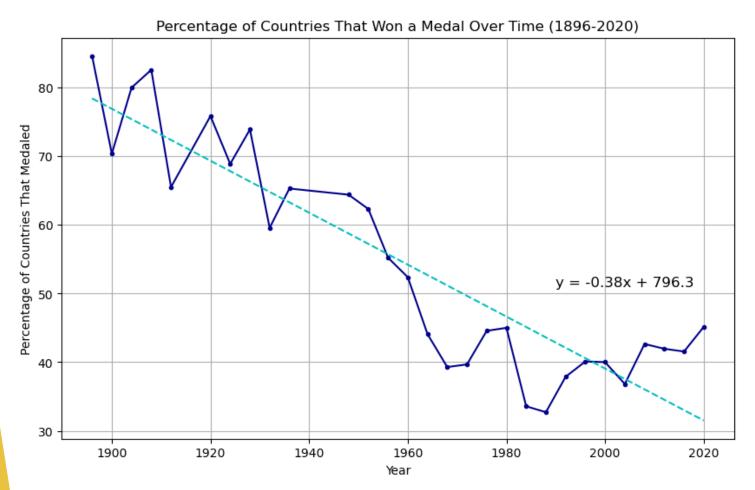
- Number of countries that won at least one medal
- No datapoint for 1940 and 1944
- 77 countries medaled in 2024 Summer Olympics¹
- Predicts 84 countries to win a medal

How has the addition of new countries affected the Olympics?



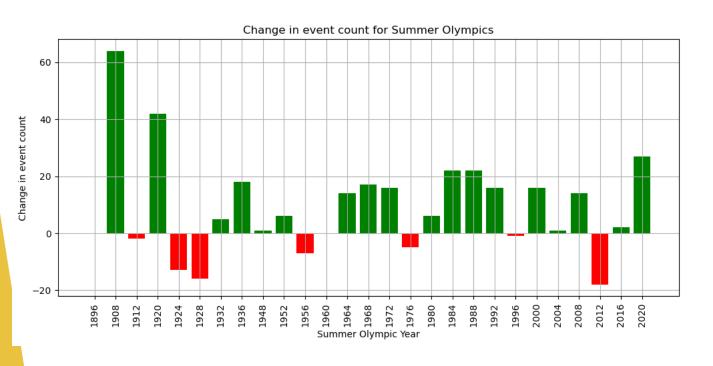
- Number of countries participating
- 206 countries participated in 2024 Summer Olympics¹
- Predicts 214 countries

How has the addition of new countries affected the Olympics?



- Dividing number of countries that won a medal by number of participating countries
- 38% of countries won a medal in 2024 Summer Olympics
- Predicts 27% of countries

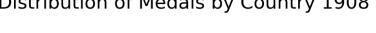
How has the addition of new events affected the Olympics?

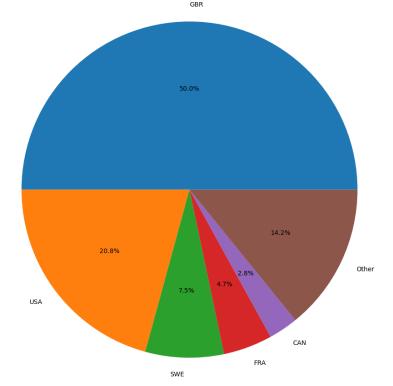


- The change in total Olympic events from one summer event to the next.
- Two years had to be cleaned due to inaccurate data. (1900 and 1904)
- ▶ 18 of the changes were positive addition of events.
- The trend of increasing events continued with 329 in 2024.

How has the addition of new events affected the Olympics? (part 2)

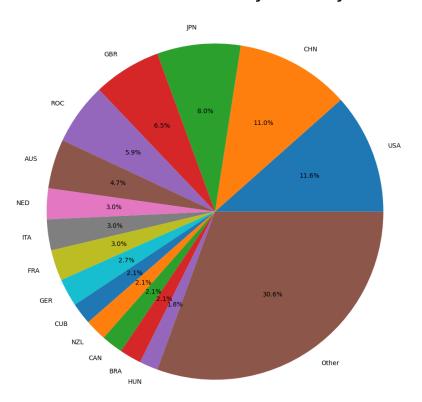
Distribution of Medals by Country 1908





107 Unique Events

Distribution of Medals by Country 2020

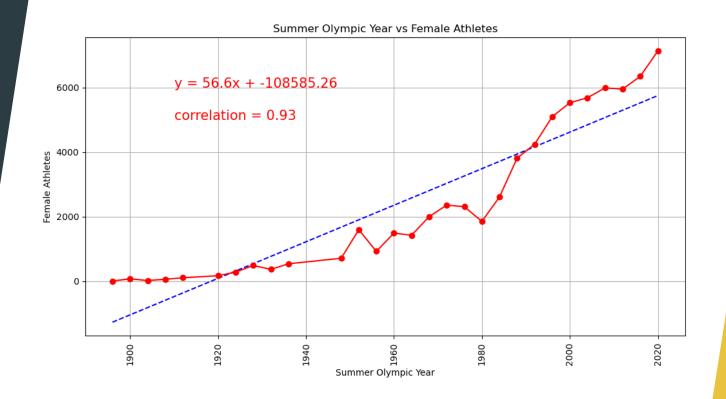


290 Unique Events

- > Top 5 for 1908 equated for 85.8% of gold medals.
- Top 15 for 2020 equated for 69.6% of gold medals

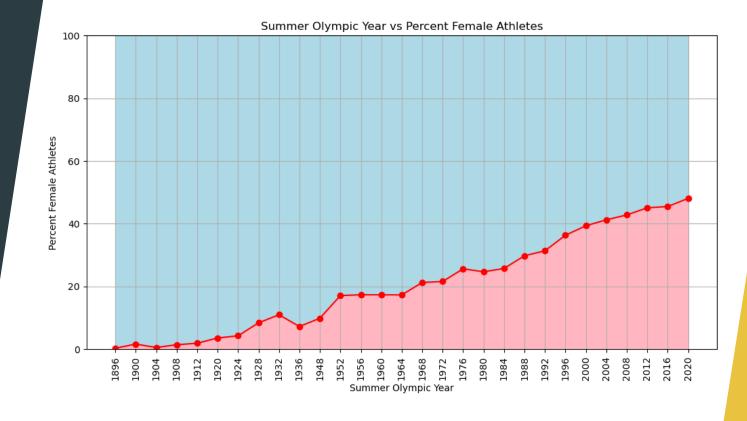
Have there been more female athletes added over time?

- Number of female athletes who participated.
- Prediction: 5,973 female athletes in 2024 Summer Olympics.
- Actual value : 5,503 female athletes in 2024 Summer Olympics.
- Correlation of 0.93 suggest strong relationship between female athletes participating and the passage of time.



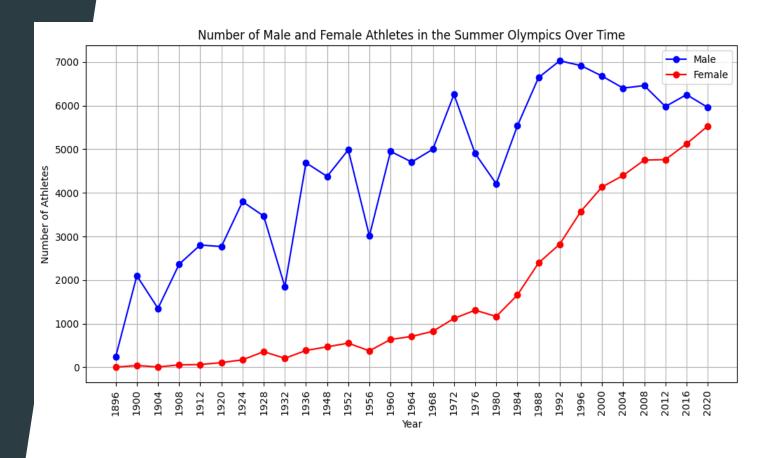
Have there been more female athletes added over time? (Part 2)

- Depicts the percentage of athletes that were female.
- Key takeaway
 - It took from 1896 to 1976 to pass25% of athletes were female.(80 years)
 - From 1976 to 2020 female athletes gained another 23% to achieve 48% proportion. (44 years)



Relevance of Gender

▶ "Traditionally, sport has been dominated by men, both in terms of participation and governance. Worldwide, women's participation rates in sporting activities are lower than men's. Yet over the last 20 years significant changes have occurred and the difference in involvement between the genders is becoming narrower."

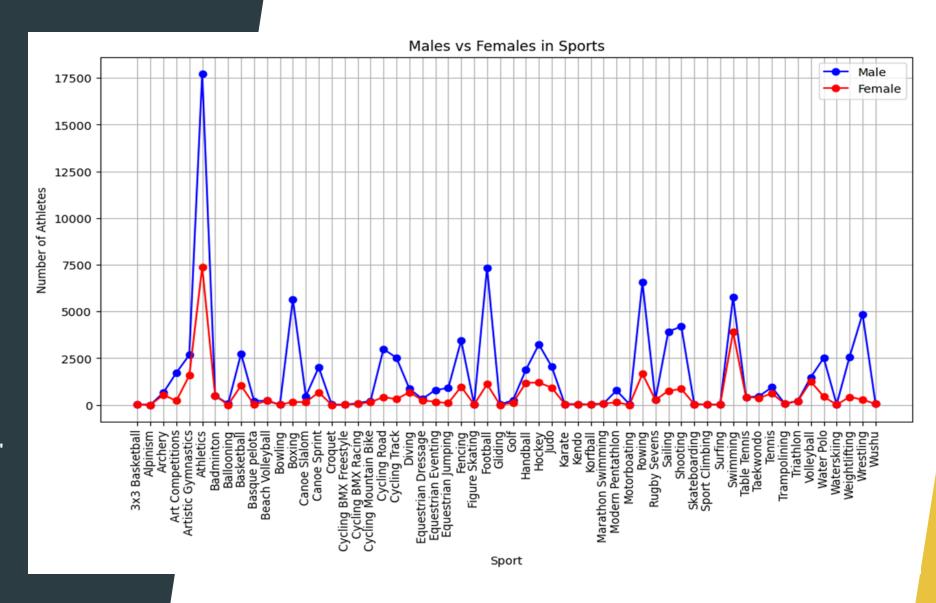


Since 1980, the number of females participating in various fields has been on the rise. This trend reflects broader societal changes. For instance, women's representation in the olympic games has substantially increased over the past four decades.

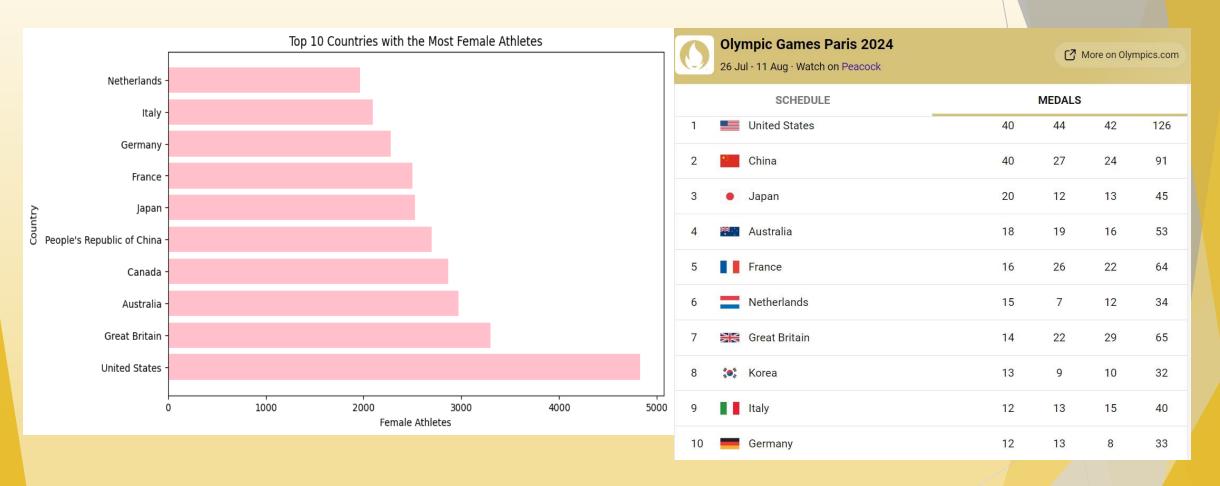
Sport | European Institute for Gender Equality (europa.eu)

Gender Disparities in Sports Participation

- Sports played only by men: 'Tug-Of-War' 'American Football' 'Baseball' 'Australian Rules Football' 'Australian Rules Football'
 'Rugby' 'Equestrian Driving'
 'Bicycle Polo' 'Motorcycle
 Sports' 'Canoe Marathon'
 'Lacrosse' 'Roque' 'Polo'
 'Fishing' 'Ice Hockey'
 'Military Exercise' 'Boules'
 'Automobile Racing' 'Roller
 Hockey' 'Cricket'
 'Equestrian Vaulting' 'Jeu
 De Paume' 'Pesäpallo'
 'Longue Paume'
 'Firefighting' 'Racquets' 'Firefighting' 'Racquets' 'Savate' 'Kaatsen' 'Glíma' 'Lifesaving' 'Canne De Combat' 'Aeronautics'
- Sports played only by women: 'Artistic Swimming' 'Rhythmic Gymnastics' 'Softball'



Top 10 Countries



The top 10 countries with the most women's participation are also the most successful in terms of medal wins.

top countries in the olympics female - Search (bing.com)



References

- https://www.kaggle.com/datasets/muhammadehsan000/ olympic-historical-dataset-1896-2020?select=Olympic_Athlete_Bio.csv
 - Olympic_Athlete_Bio.csv
 - Olympic_Athlete_Event_Results.csv
 - Olympic_Games_Medal_Tally.csv
 - Olympic_Results.csv
 - Olympics_Country.csv
 - Olympics_Games.csv
 - Sport | European Institute for Gender Equality (europa.eu)