



Olympic Medalist Visualization

1896

1900

1904

1908

1912

1920

1924

1928

1932

1936

1948

1952

1960

1968

1972

1976

1980

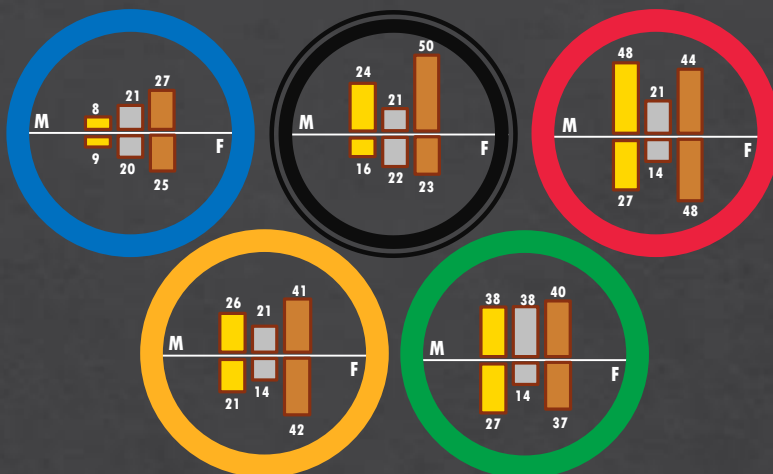


1980

1912

VIEW

MEDAL TALLY



202

MALE

**AFRICA
TOP SPORTS**

RUGBY

ATHLETICS

CRICKET

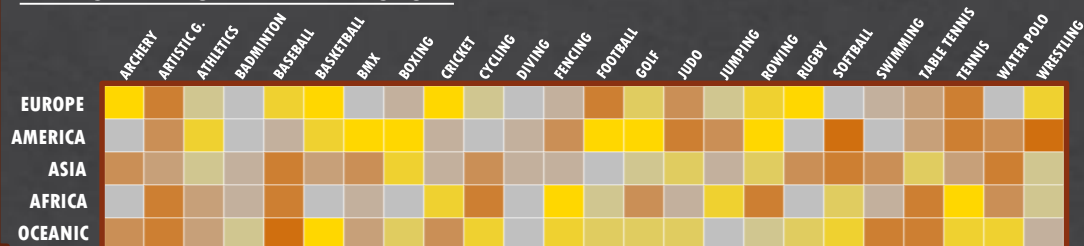
WRESTLING

ROWING

FEMALE



1912'S AVERAGE MEDAL PER SPORT





1980

1912

Figure 1 displays five circular diagrams, each representing a different age group. Each diagram is divided into four quadrants, labeled M (Male) and F (Female) on the left and right sides respectively. The quadrants contain colored bars representing the distribution of 100% of the population. The values for each quadrant are as follows:

- Blue Circle (Top Left):** M (Yellow) = 8, F (Grey) = 21, M (Orange) = 27, F (Brown) = 9. Below the bars are the values 20 and 25.
- Black Circle (Top Middle):** M (Yellow) = 24, F (Grey) = 21, M (Orange) = 50, F (Brown) = 16. Below the bars are the values 22 and 23.
- Red Circle (Top Right):** M (Yellow) = 48, F (Grey) = 21, M (Orange) = 44, F (Brown) = 27. Below the bars are the values 14 and 48.
- Orange Circle (Bottom Left):** M (Yellow) = 26, F (Grey) = 21, M (Orange) = 41, F (Brown) = 21. Below the bars are the values 14 and 42.
- Green Circle (Bottom Right):** M (Yellow) = 38, F (Grey) = 38, M (Orange) = 40, F (Brown) = 27. Below the bars are the values 14 and 37.

202

A horizontal bar chart titled 'MALE' showing the percentage of men in the workforce by age group and education level. The y-axis lists age groups: 18-24, 25-34, 35-44, 45-54, 55-64, and 65+. The x-axis represents the percentage of men in the workforce, ranging from 0 to 100. The bars are color-coded by education level: Yellow for High School or less, Gray for Some college, and Orange for Bachelor's or more. The data shows that men with a bachelor's or more degree have the highest percentage in the workforce across all age groups, while men with a high school or less education have the lowest percentage.

Age Group	High School or less	Some college	Bachelor's or more
18-24	~65%	~35%	~5%
25-34	~10%	~40%	~50%
35-44	~75%	~25%	~0%
45-54	~20%	~40%	~40%
55-64	~10%	~30%	~60%
65+	~5%	~15%	~80%

[illegible]

1948

188

Age Group	Percentage
15-24	~15%
25-34	~45%
35-44	~55%
45-54	~65%
55-64	~75%
65+	~15%

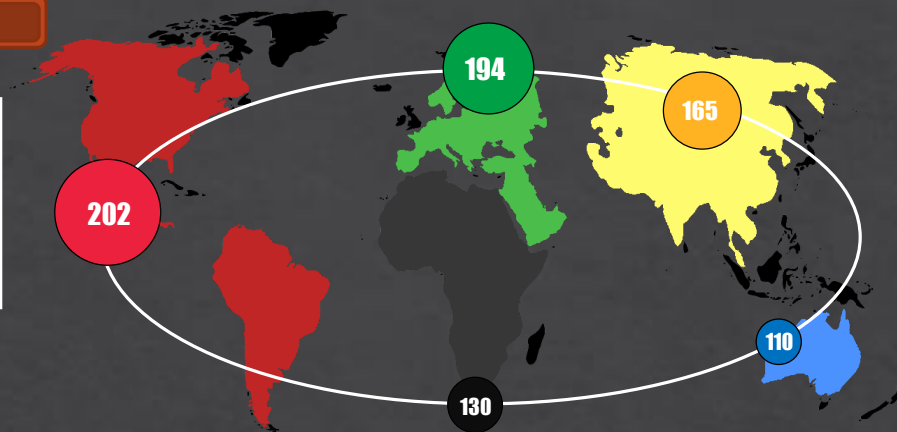
	ARCHERY	ARTISTIC G.	ATHLETICS	BADMINTON	BASKEBALL	BASKETBALL	BMX	BOXING	CRICKET	CYCLING	DIVING	FENCING	FOOTBALL	GOLF	JUDO	JUMPING	ROWING	RUGBY	SOFTBALL	SWIMMING	TABLE TENNIS	TENNIS	WATER POLO	WRESTLING
EUROPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
AMERICA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
ASIA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
AFRICA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
OCEANIC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24



1980

1912

MEDAL TALLY



Darker = More Medals

MALE

AFRICA
TOP SPORTS

RUGBY

ATHLETICS

CRICKET

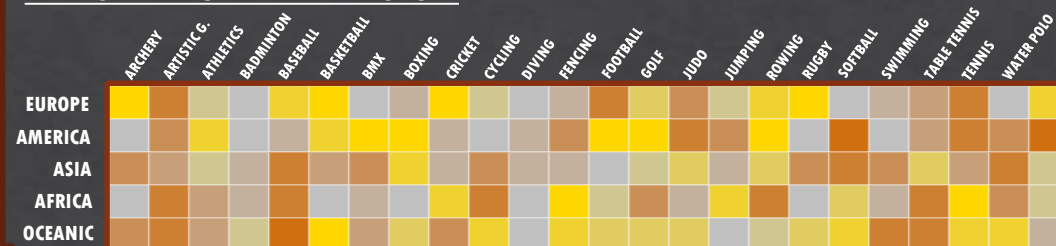
WRESTLING

ROWING

FEMALE



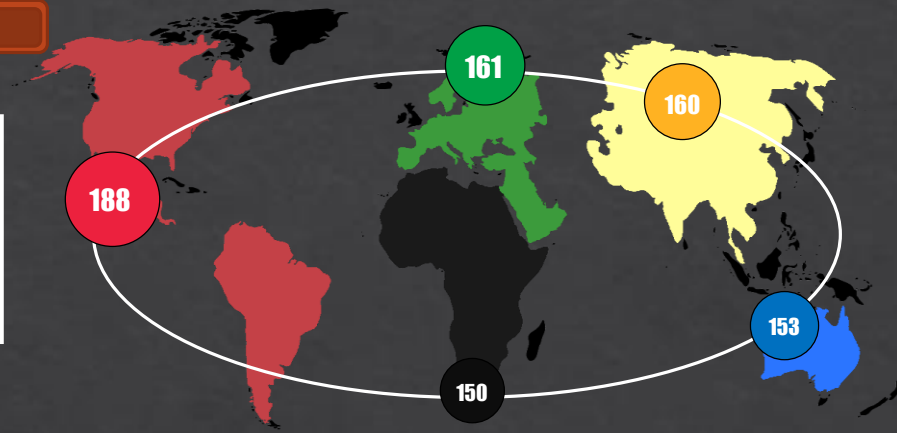
1912'S AVERAGE MEDAL PER SPORT



MEDAL TALLY

VIEW

1948



Darker = More Medals

MALE

ASIA TOP SPORTS

JUDO

SAILING

WEIGHTLIFTING

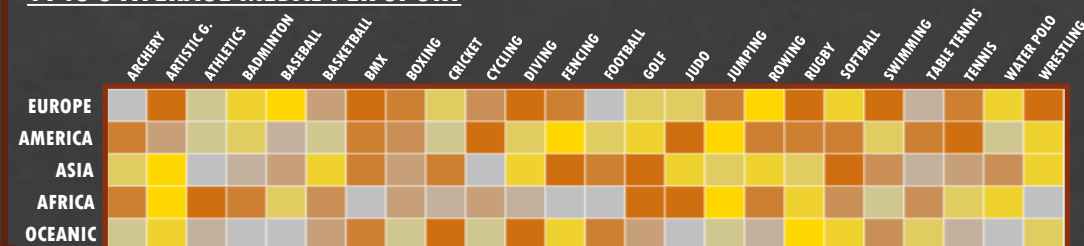
GYMNASTICS

ROWING

FEMALE



1948'S AVERAGE MEDAL PER SPORT



Questions on what the visualization may answer

1. For a single continent of X selected Olympic years, which year did that continent have more medal winners?

This can be answered by either view.

- Within the Olympic Rings view, the values for the bar charts can be compared between selected Olympic years.
- The Heatmap also presents a nice visualization for the average medal across all sports for the selected year.
- Within the Map View, the darker the color - the greater the value, the colors can be compared between the selected years to determine which had more medal winners, as well as the circle ratios that can be compared in the connected ring.

2. For a single continent of X selected Olympic years, what was the ratio between male medal winners and female medal winners?

This can be answered through the Olympic Rings view: within a single ring, the top portion represents male medal winners, and the bottom portion represents female medal winners.

The values can be compared within a single year, or among multiple selected years.

3. For any selected continents within X selected Olympic years, what were those continent's top sports, and what were the ratios.

This can be answered through the Sport Stacked bar charts. When the user clicks on a Ring, that continent's top sports for that year will appear separating male and female athletes.

The Heatmap is useful for comparing how all countries did within the selected year.

The values can be compared within a single year, or among multiple selected years.