# Olympic – Athlete Analysis – Tableau Workbook

The Tableau Olympic Project is a comprehensive data visualization initiative designed to analyze historical Olympic data. This project leverages Tableau's powerful capabilities to create interactive dashboards that provide insights into athlete participation, medal distribution, and demographic trends over time.

- Key Objectives:

1.Medal Analysis: Identify top-performing regions, sports, and athletes in terms of medal counts.

2.Demographic Insights: Explore the relationship between athlete attributes such as age, height, and weight with their success in the Olympics.

3.Participation Trends: Examine gender participation and track regional contributions across different Olympic events and seasons.

4.Geographic Insights: Visualize medal distribution across countries and regions using maps and area charts.
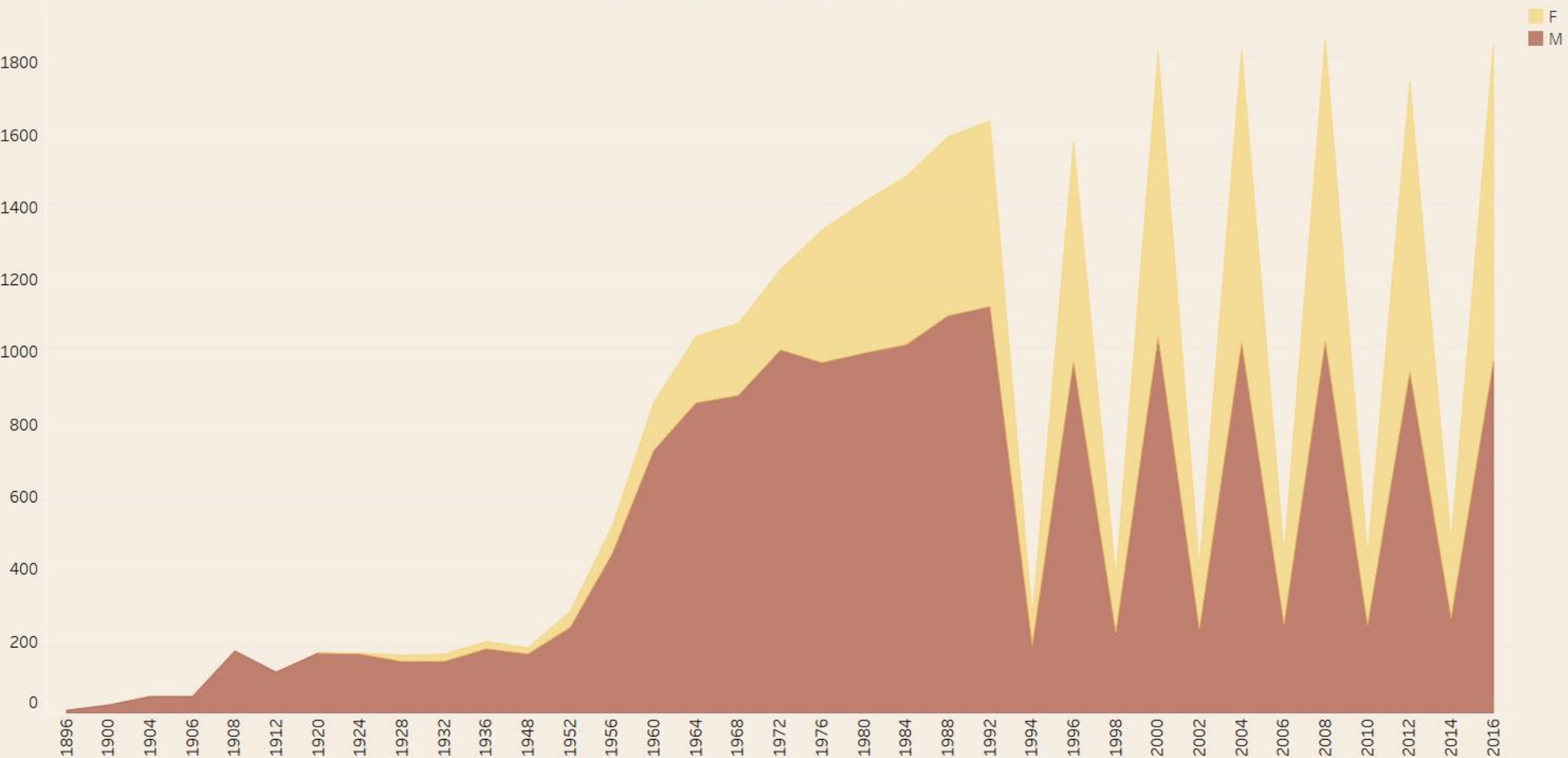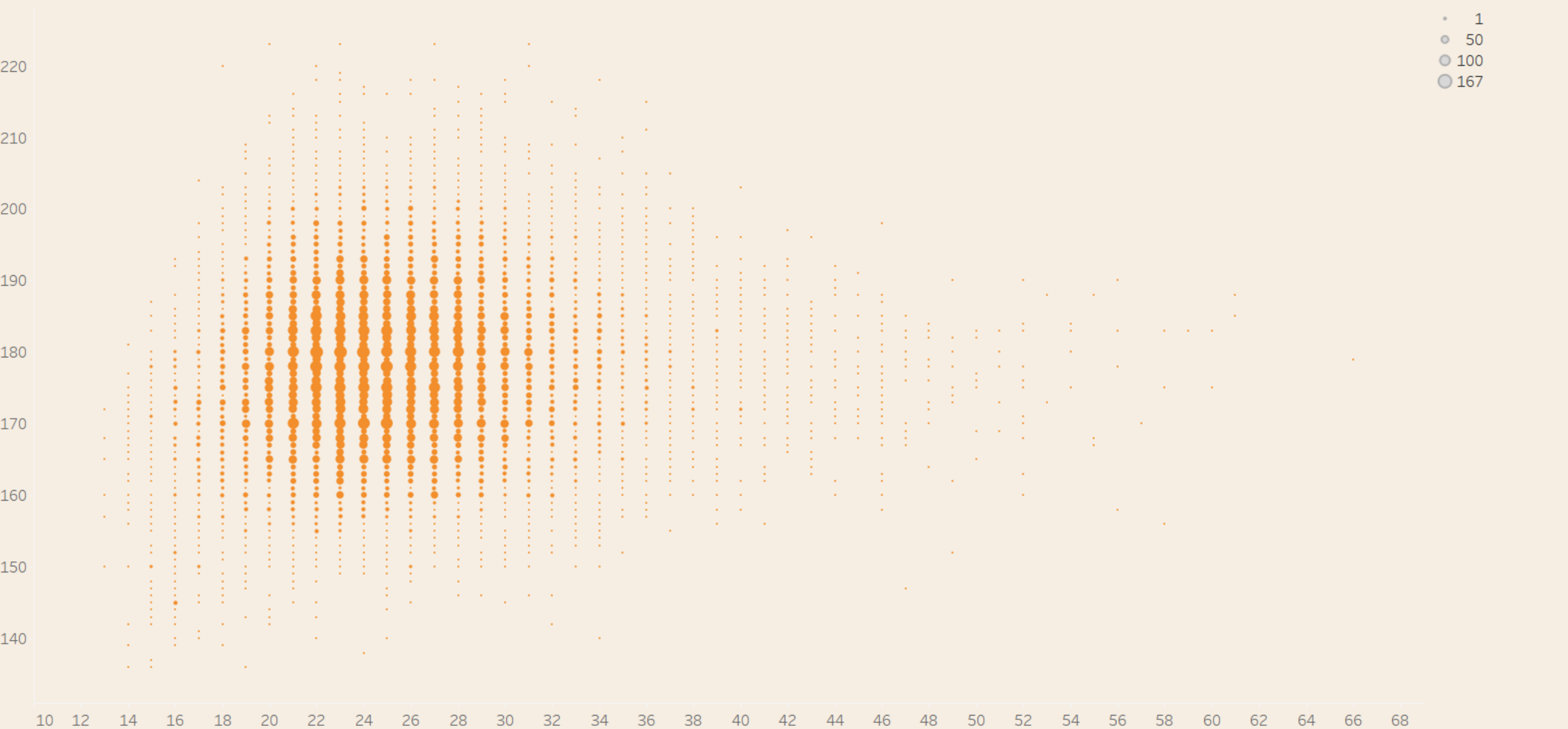
Top 10 Regions by Medal Count
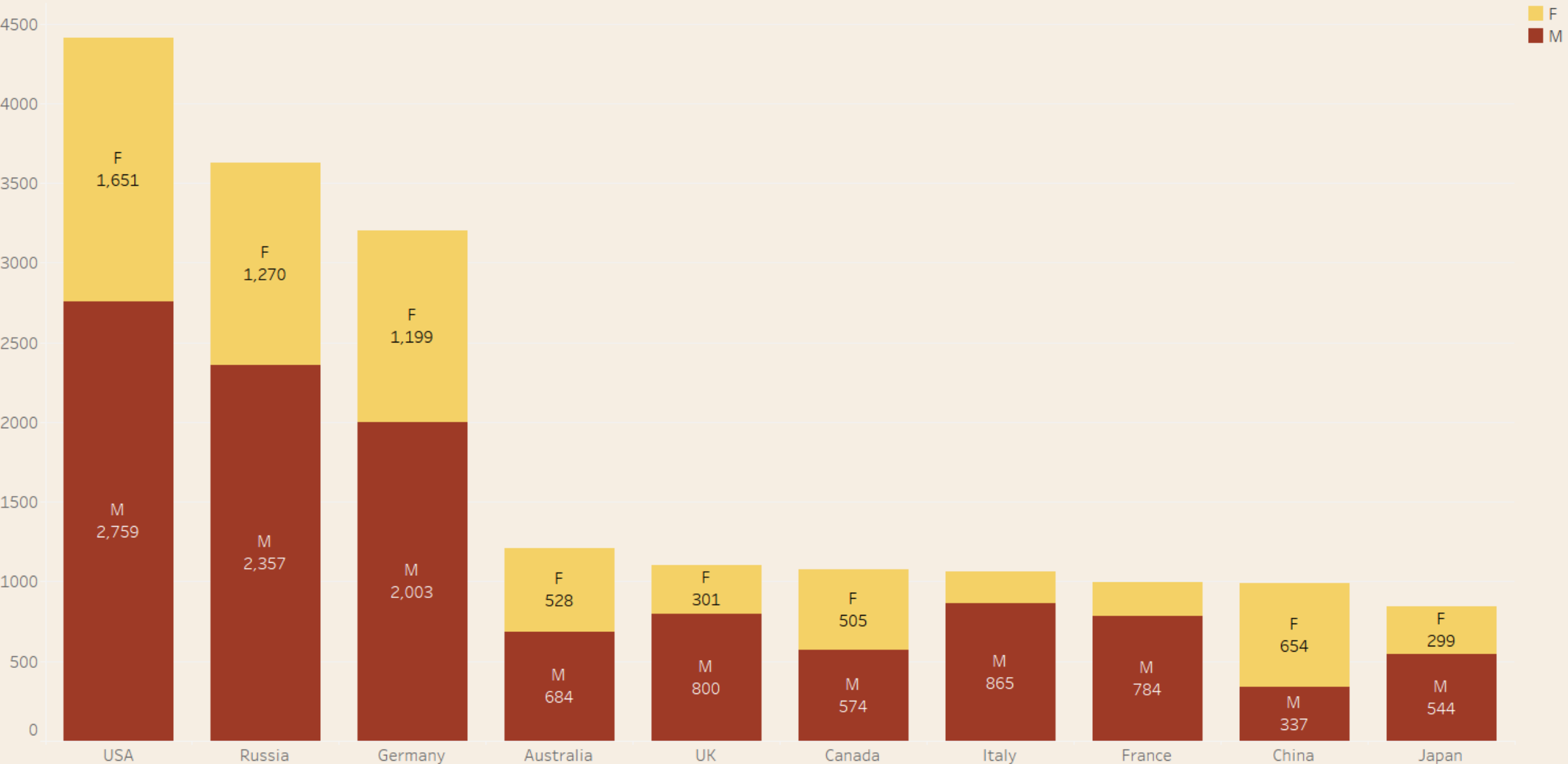
Count of Medal for each Region. Color shows details about Sex. The marks are labeled by Sex and count of Medal. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on Region, which keeps 10 of 208 members.

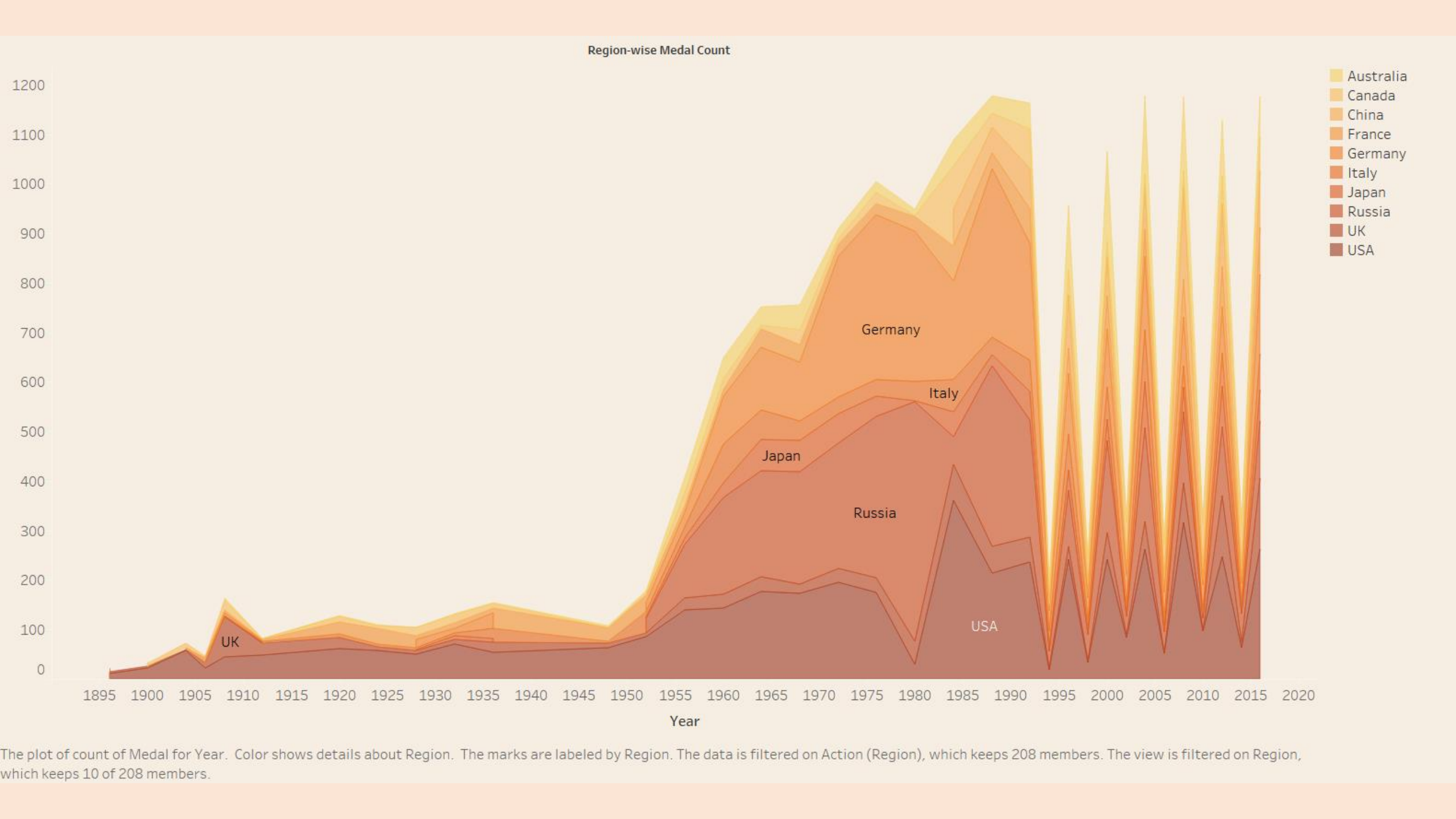# Athlete Participation by Gender Analysis Over Year

Legend:
- F
- M

Distinct count of Name for each Year. Color shows details about Sex. The data is filtered on Action (Region), which keeps 208 members.

Total Medals over Athelete Demographics

Age vs. Height. Size shows count of Medal. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on Height, which keeps non-Null values only.

Region-wise Medal Count

The plot of count of Medal for Year. Color shows details about Region. The marks are labeled by Region. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on Region, which keeps 10 of 208 members.

Top 10 Regions by Participants Count

843   4,410

USA
4,410

France
994

Germany
3,202

UK
1,101

Australia
1,212

Canada
1,079

Italy
1,063

China
991

Japan
843

Russia
3,627
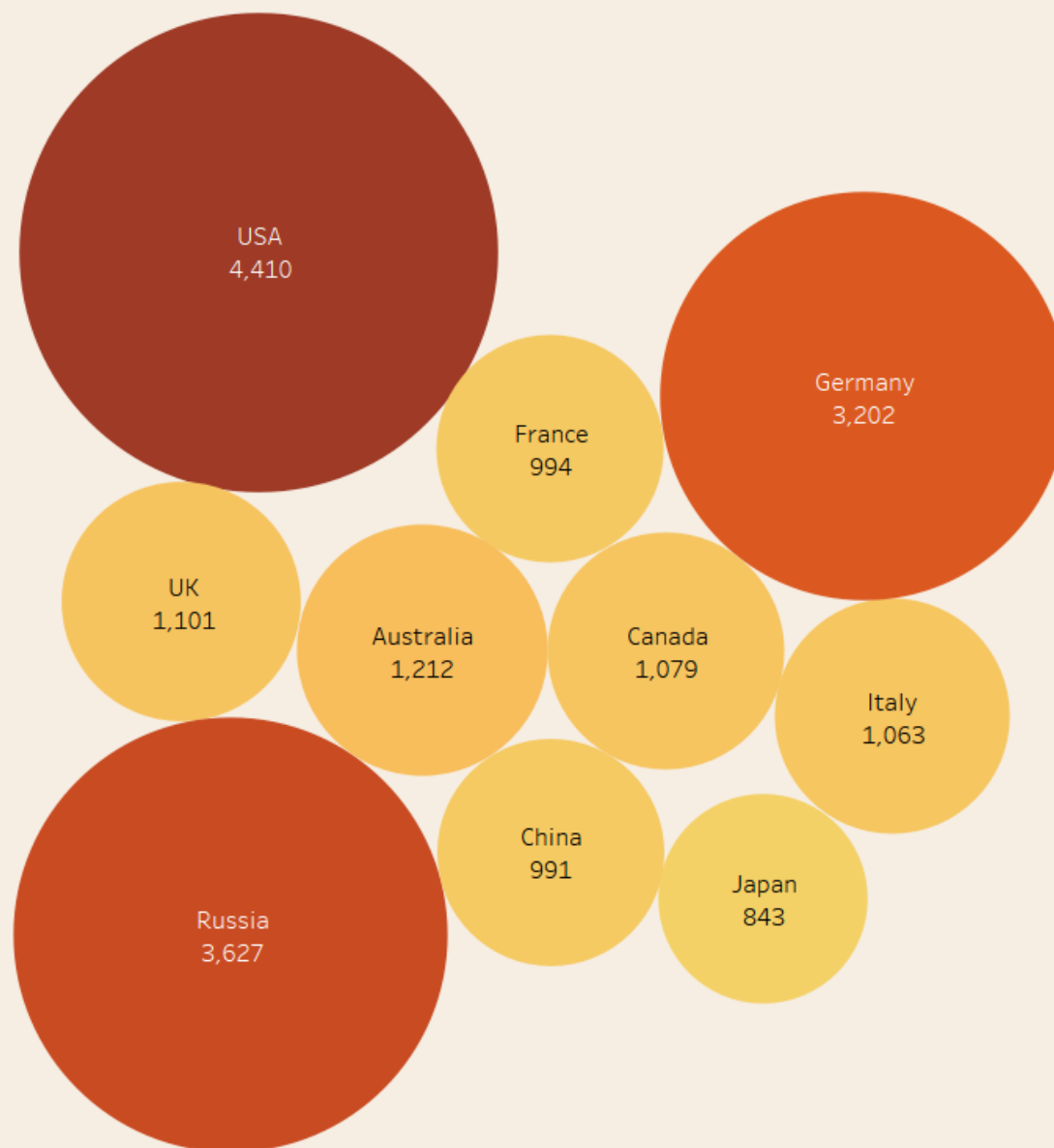
Region and count of Name. Color shows count of Name. Size shows count of Name. The marks are labeled by Region and count of Name. The data is filtered on Action (Region), which keeps 208 members.
The view is filtered on Region, which keeps 10 of 208 members.

Top 10 Sport by Medal Count
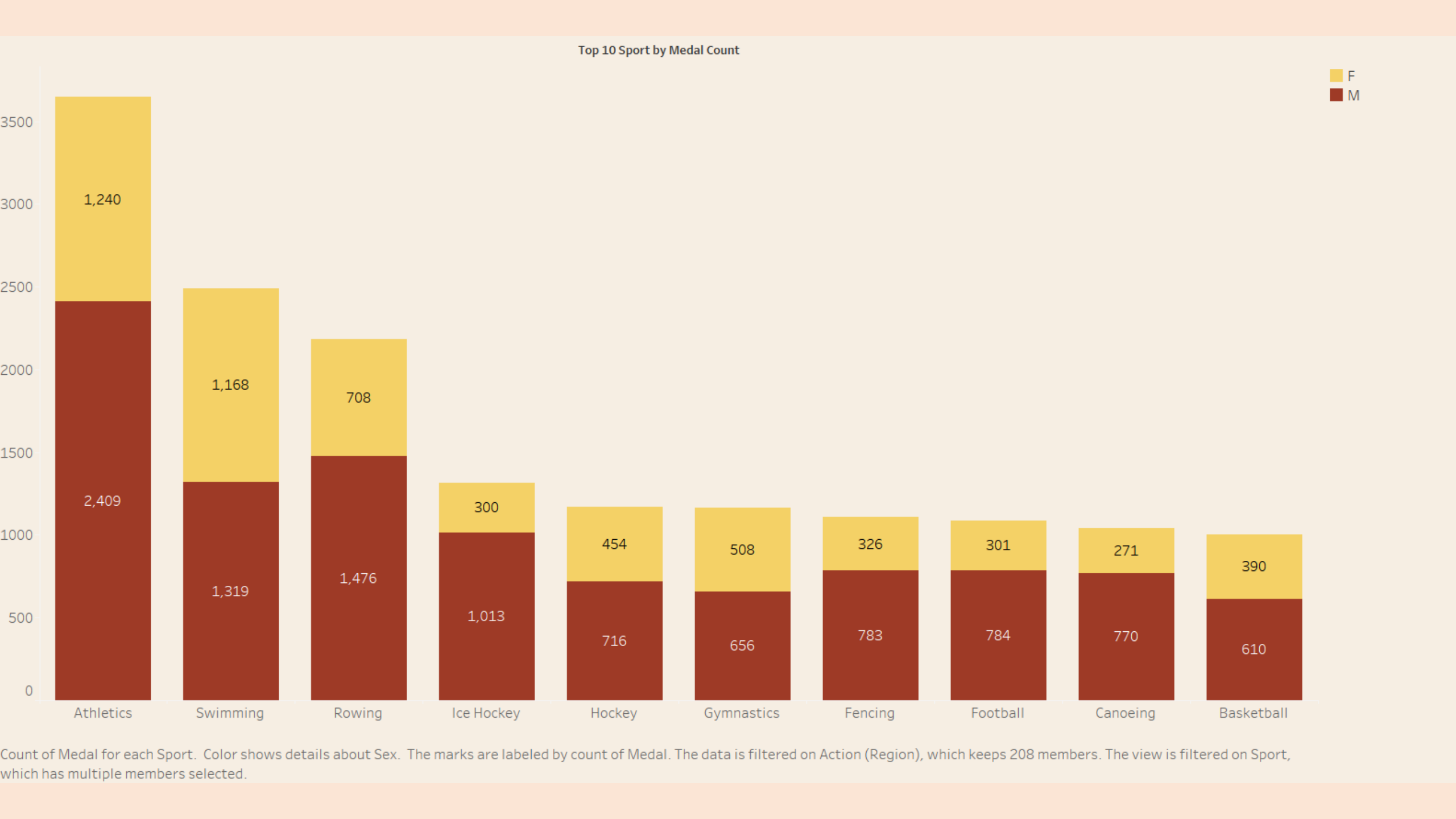
Count of Medal for each Sport. Color shows details about Sex. The marks are labeled by count of Medal. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on Sport, which has multiple members selected.
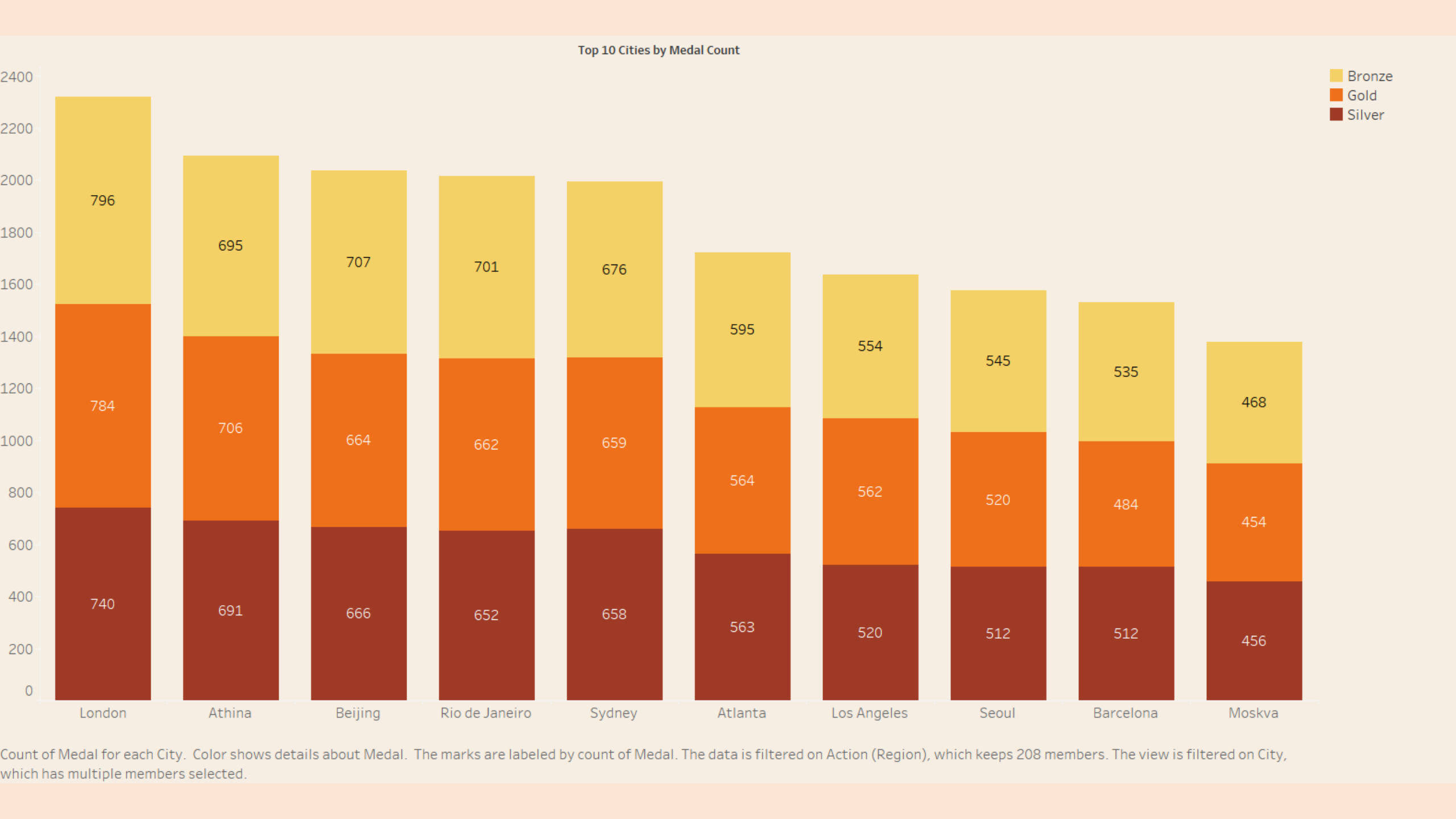
Top 10 Cities by Medal Count

City	Bronze	Gold	Silver
London	796	784	740
Athina	695	706	691
Beijing	707	664	666
Rio de Janeiro	701	662	652
Sydney	676	659	658
Atlanta	595	564	563
Los Angeles	554	562	520
Seoul	545	520	512
Barcelona	535	484	512
Moskva	468	454	456

Count of Medal for each City. Color shows details about Medal. The marks are labeled by count of Medal. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on City, which has multiple members selected.
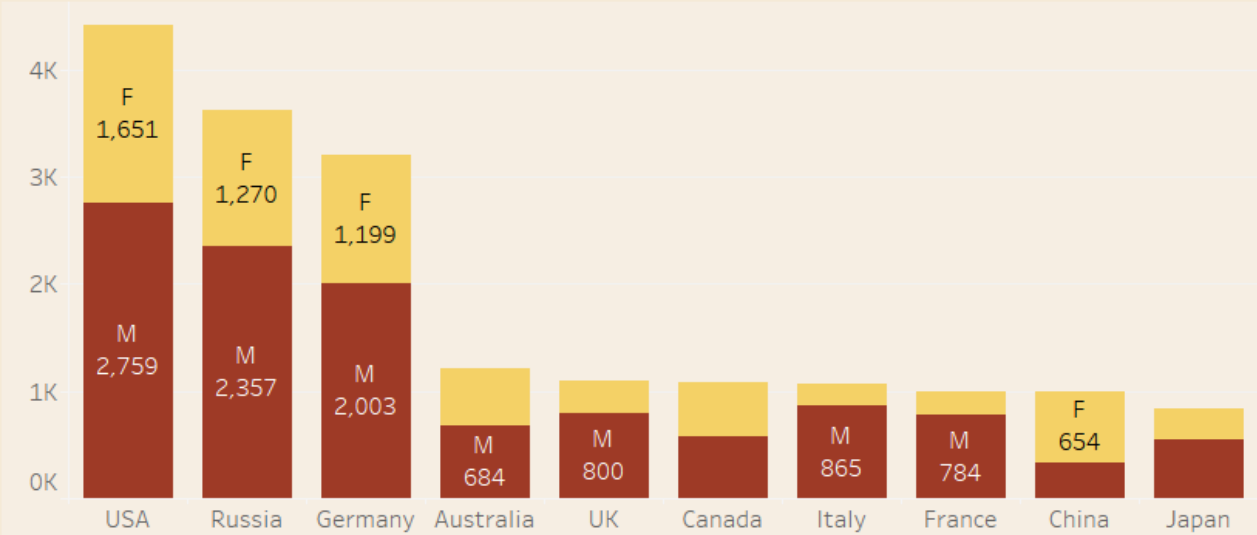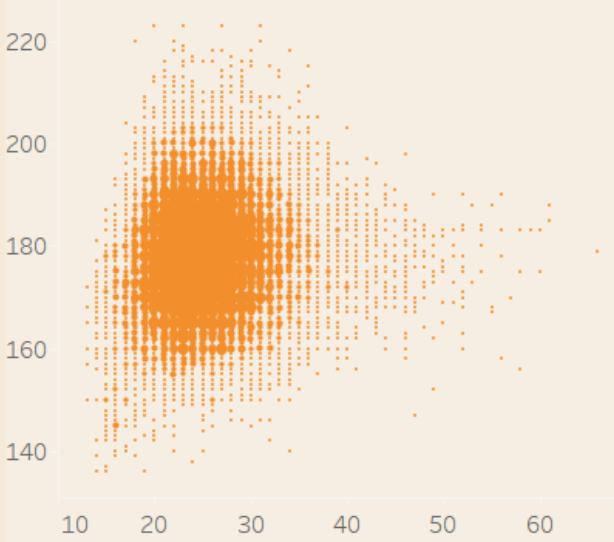
Top 10 Athlete by Medal Count

Count of Medal for each Name. Details are shown for Region and Sport. The data is filtered on Action (Region), which keeps 208 members. The view is filtered on Name, which has multiple members selected.
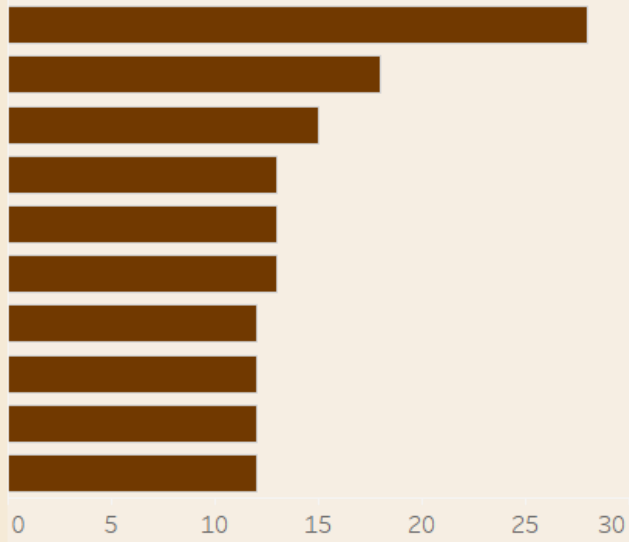
120 Years of Olympic History
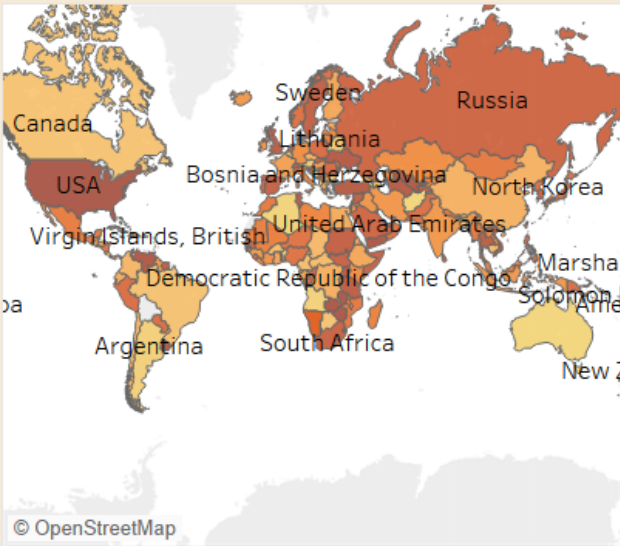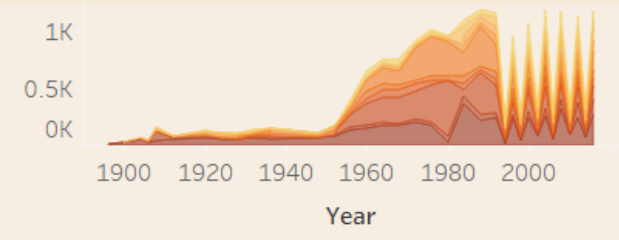
Top 10 Regions by Medal Count

Bars by region:
- USA: F 1,651 / M 2,759
- Russia: F 1,270 / M 2,357
- Germany: F 1,199 / M 2,003
- Australia: M 684
- UK: M 800
- Canada
- Italy: M 865
- France: M 784
- China: F 654
- Japan

Total Medals over Athelete Demographics

Top 10 Athlete by Medal Count

Region-Wise Medal Count

© OpenStreetMap

Labels: Canada, USA, Virgin Islands, British, Argentina, Democratic Republic of the Congo, South Africa, Sweden, Lithuania, Bosnia and Herzegovina, United Arab Emirates, Russia, North Korea, Marsha, Solomon, New Z

Region-wise Medal Count

Year axis: 1900, 1920, 1940, 1960, 1980, 2000

Top 10 Regions by Participants Count

- USA 4,410
- Germany 3,202
- Russia 3,627
- France
- UK
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- Italy
- China
- Japan
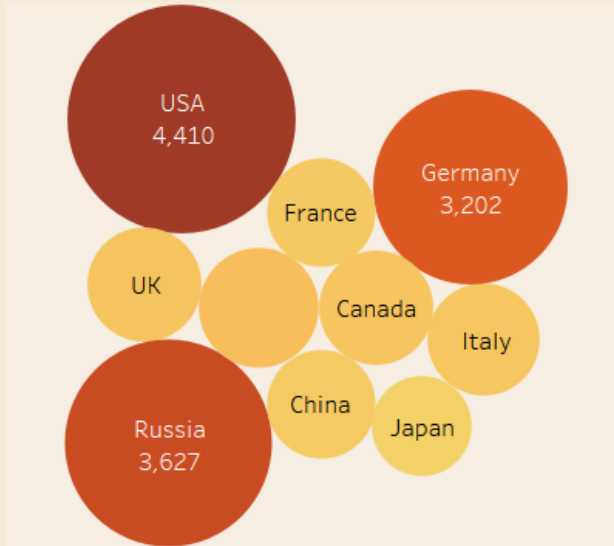
Athlete Participation by Gender Analysis Over Year

Top 10 Sport by Medal Count

- Ath..: 1,240 / 1,319
- Swi..: 1,168
- Ro..: 1,013
- Ice..
- Hoc..: 716
- Gy..
- Fen..: 783
- Foo..: 784
- Can..: 770
- Bas..

Top 10 Cities by Medal Count

- Lon..: 796 / 784 / 740
- At..: 695 / 706 / 691
- Bei..: 707 / 664 / 666
- Rio..: 701 / 662 / 652
- Sy..: 676 / 659 / 658
- Atl..: 595 / 564 / 563
- Los..: 554 / 562 / 520
- Se..: 545 / 520 / 512
- Bar..: 535 / 512
- Mo..: 468 / 456