**How are Medals distributed across athletics and regions?**
1. Took the count of the medals and marked them with size and label to display the volume and count of medals.
2. Added filter to exclude the medals not received by athletics in the medal variable.
3. Took the sex variable into the columns list, also marked with color to differentiate between male and female athletics.
4. Marked the region variable with a label to display the region name
Result:
We can observe from the result that male athletes and developed countries dominate the medal tally over female and underdeveloped countries.
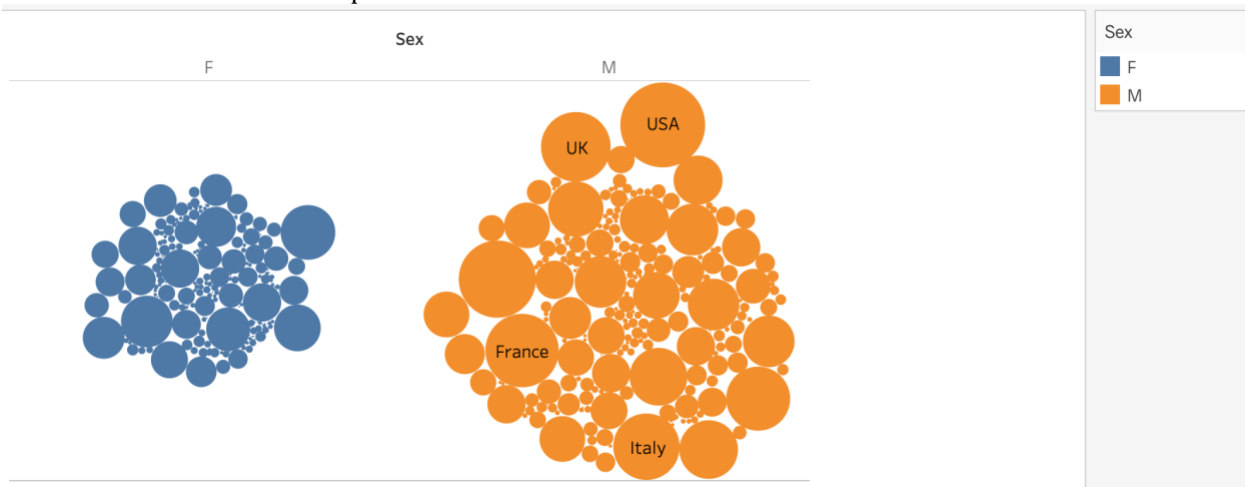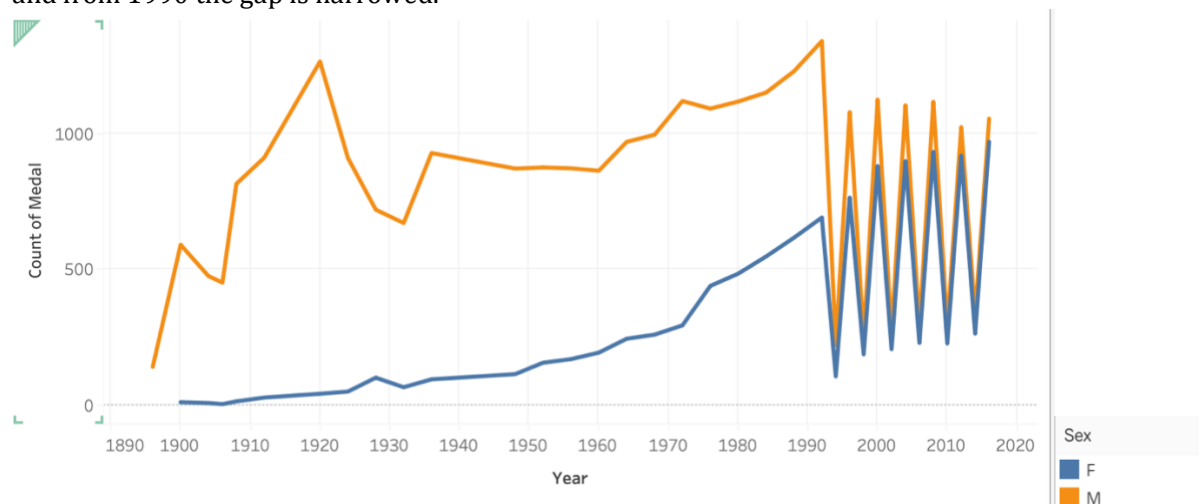


**How are Medals won by both male and female athletes over the years?**
1. Took the sex variable and marked them with color to display the difference between male and female athletes in visualization.
2. Added filter to exclude the medals not received by both athletics in the medal variable.
3. Took the year variable into the columns list to plot the medals tally over the years.
4. Marked sex attribute with details to obtain the independent medal counts for male and female athletes.
Result:
We can observe from the result that both male and female athletes have increased the medals tally over the years, and there has been significant domination by male athletes for over 100 years, 1890-1990, and from 1990 the gap is narrowed.
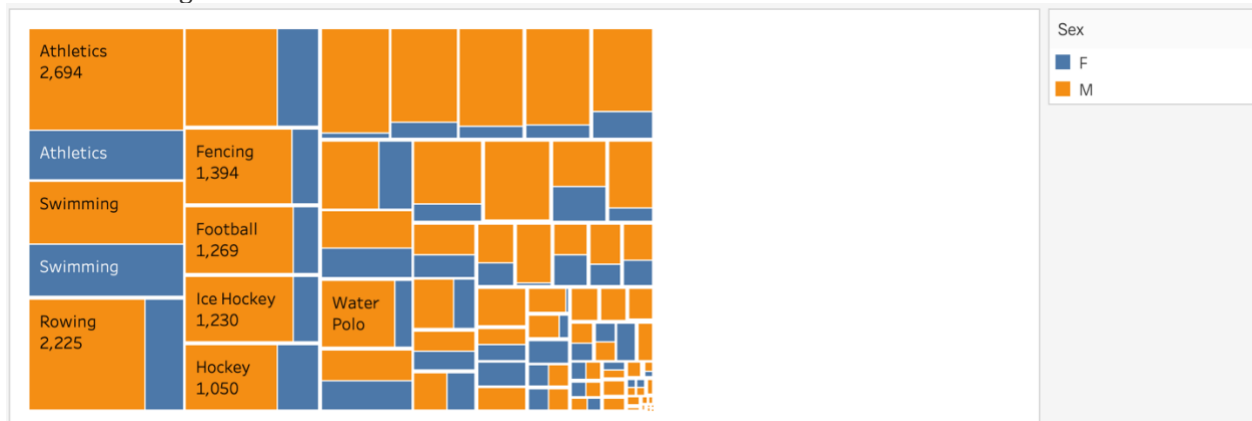
**How are Medals tallied between male and female athletes across different sports?**
1. Added medal variable to the marker and sized it to visualize the difference in the medals tally.
2. Took the sex variable and marked them with color to visualize the difference between male and female athletes.
3. Added filter to exclude the medals not received by both athletics in the medal variable.
4. Marked the sport variable with labels to display different sports
5. Marked sex attribute with details to obtain the independent medal counts for male and female athletes.
Result:
We can observe from the result that both male athletes dominated the sports events, but female athletes closed in sports like swimming, handball, and volleyball. That is due to the inclusion of those sports for females in the games.
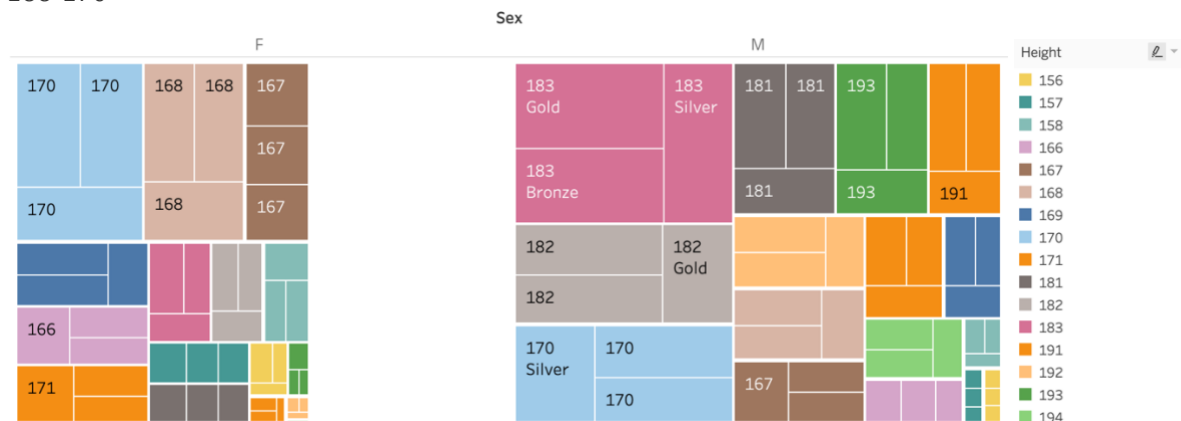


**How did the height factor affect the medal tally?**
1. Added count of medal variable to the marker and sized it to visualize the difference in the medal tally.
2. Took the sex variable and placed it in columns to visualize how height differs between male and female athletes to get medals.
3. Added filter to exclude the medals not received by both athletics in the medal variable.
4. Added filter to exclude the synchronous heights.
5. Marked the height variable with labels to display different heights
6. Marked height variable with color to obtain the different colors.
Result:
We can observe from the result that for male athletes, 50% of the medals come with an average height between 166-183, and for female athletes, 50% of the medals come with an average height between 166-170

**How did the weight factor affect the medal tally?**
1. Added count of medal variable to the marker and sized it to visualize the difference in the medal tally.
2. Took the sex variable and placed it in columns to visualize how height differs between male and female athletes to get medals.
3. Added filter to exclude the medals not received by both athletics in the medal variable.
4. Added filter to exclude the synchronous weights.
5. Marked the weight variable with labels to display different heights
6. Marked weight variable with color to obtain the different colors.
Result:
We can observe from the result that for male athletes, 70% of the medals come with an average weight between 60-70, and for female athletes, and for males 50% of the medals come with an average weight between 60-90
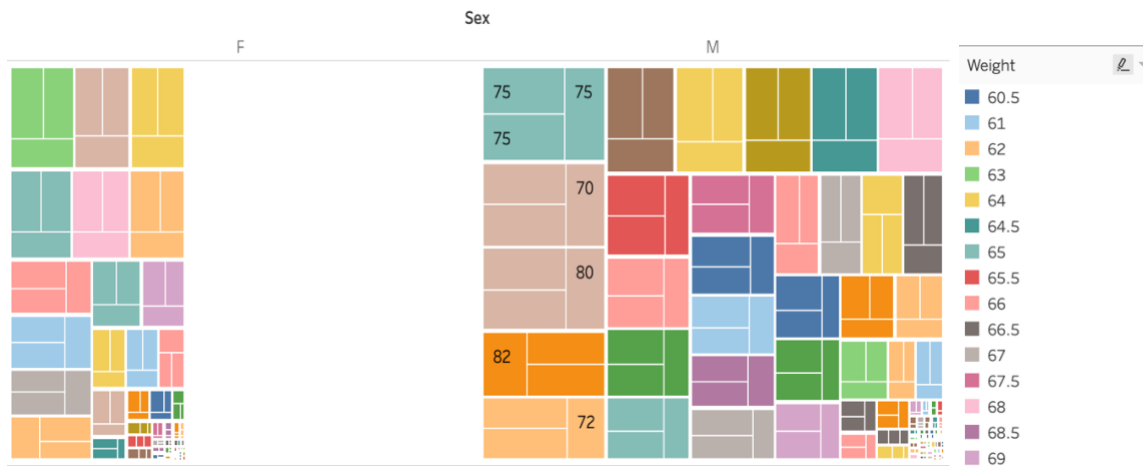


**Olympic Medal Winners analysis Dashboard:**
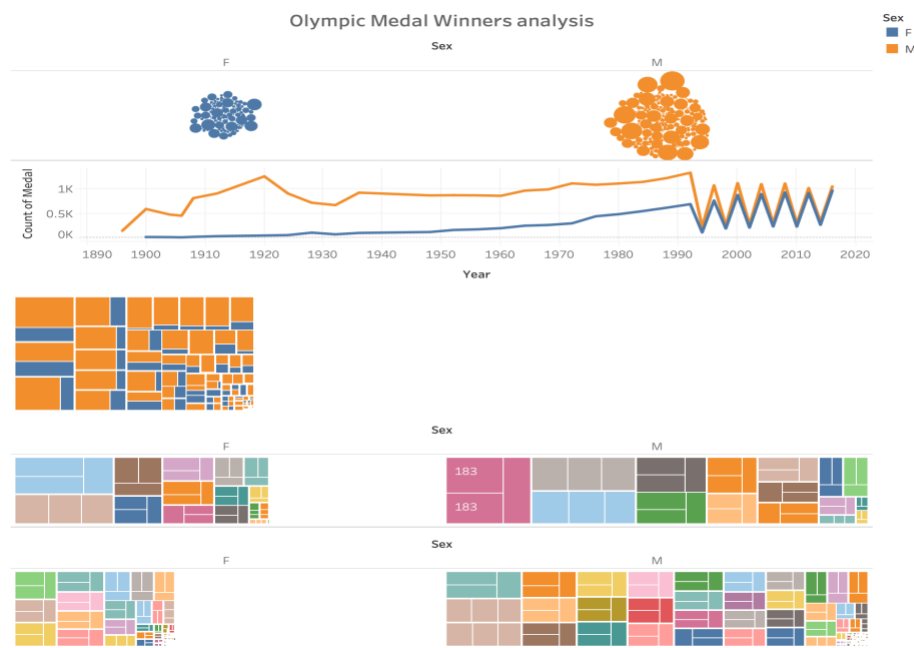
# Olympic Medal Winners analysis Storyboard:

## Story olympic medal analysis



Done analysis with respect to the gender and other factors and tried to answer the assumptions made on medal winners:
How are Medals distributed across athletics and regions?
How are Medals won by both male and female athletes over the years?
How are Medals tallied between male and female athletes across different sports?
How did the height factor affect the medal tally?
How did the weight factor affect the medal tally?