

# Winter Olympics Date Analysis

Through the analysis of the number of medals in the world, what I want to analyze is whether the number of medals in Canada is developing in a positive direction in winter olympics? what is the trend in the future? Mainly through four visual charts to discuss the problem and get conclusions, when conducting data analysis. The main structure of the website is half of the text and half of the chart, so that the story can be better narrative, explain the data clearly, the following is my Problem analysis.

1. The number of medals received for each event ---- Analyze which project is Canada better at. ( pie chart )

For the statistics of this data, I use a pie chart to display my data, because the pie chart shows a series of sport events and the percentage of the number of medals in each sport to the total number of medals. It is particularly intuitive to see which project is Canada better at. By analyzing the data of 7 sports, we can see from the figure that Canadian athletes are more good at ice hockey. The number of medals received by ice hockey is more than the total of all other sports. It accounts for about 56% of the Canadian medals. In the remaining seven events, Luge did n't get one medal. Biathlon only won three medals. These two events are Canadian athletes worst at. Skating is the second best project. In nutshell, Canada's ice hockey is the best project, the least good project is Luge.

2. The number of men and women won the medals of each competition events ----- Analysis of the respective advantages of male and female athletes ( bar charts )

This data analysis uses a bar chart as the most intuitive way to view the difference percentage between the men and women. The bar chart can show how much is in the data, and better analyze the advantage events of men and women. Through the analysis of the sports data of medals, from the figure we can see that the proportion of men and women athletes who have won medals in each sports (except for the Luge project did not win), ice hockey, skating, Bobsleigh these three sports There are more male winners than females. Among them, the ratio of men and women in ice hockey is the largest, almost double that of women. Skiing and Biathlon are more female winners, and the same number of curling winners.

**3.** In recent years (30) the number of CAN medals accounted for the proportion of the total ---- Analysis of the performance of CAN in international sports events (Multiple Charts)

For this data analysis, I used Multiple charts ( Bar chart and line chart). The line chart can be seen to show the changes in the medal data. With the time increases, the number of Canadian medals gradually increases. The Bar chart can clearly see the number of medals in the world. According to the area where the two graphs intersect, we can see that the number of Canadian medals accounts for about the proportion of the total. The number of Canadian medals has increased substantially since 1992, and has been steadily and slowly increasing since then. In 2014, the proportion of global medals began to decline steadily.

**4.** The number of medals of various sports in recent years (30) and Predict 2050 ---- (horizontal Bar)

This set of data shows the number of medals in various sports in the past 30 years through horizontal Bar, and through set the year data automatically, clearly shows the medal changes in Canada in the past 30 years (1984-2014). Finally we Predicted Canadian medals in 2050 and analyzed whether the number of Canadian medals is developing in a

positive way. What is the trend in the future? By analyzing these data, it can be seen that the number of medals in Canada is increasing year by year, and it is actively developing, especially in the field of ice hockey and the men are more good at it. However, for luge, Canada never won medals from 1924 to 2014 . Canada needs to train more luge talents and develop in an all-round way so that Canada can better compete with other countries in the Winter Olympics. Stabilizing advantage events.