**Milestone 2: Descriptive Stats of Olympics Dataset**

I have used the arithmetic mean in the Age, Weight, Height columns to see the average of these variables.

I have also used the median in the Age, Weight, Height columns to see the central tendency of these numerical distributions.

Lastly, I have used the mode in the Age, Weight, Height columns to see how often the data appears.

1. **Submit 2-3 key points you may have discovered about the data, e.g. new relationships? Aha's! Did you come up with additional ideas for other things to review?**

So far I have discovered the following statements regarding the data sets.

* The age of most athletes in games is between 24 and 26 years old.
* The height of the athletes is 171 to 178 cm.
* The weight is from 64 to 72 kg.

Also, regarding new data relationships. I think that physical characteristics like weight and age of an athlete influence whether or not they win medals.

This milestone 2 project does not yet validate any of the assumptions made in milestone 1. Hopefully, some of the assumptions will be cleared up in milestone 3.

1. **Did you prove or disprove any of your initial hypotheses? If so, which one and what do you plan to do next?**

I have rejected the following initial hypotheses:

I thought that the country with the most medals was Poland. However, after carefully analyzing the data, I discovered that it was USA.

I also thought that CR7 had won a gold medal, but it is not true.

The next thing I am planning to do is analyze my data extensively to validate my hypotheses. For this I will use descriptive statistics techniques such as: tables, graphs, measures of central tendency, dispersion, etc.

Additionally I will build a machine learning model to predict which medals will be won the most in future events of the olympic games

1. **What additional questions are you seeking to answer?**

* Are there more men or women who have won a gold medal?
* Does physical condition such as weight, age, height, gender influence the athlete winning medals?
* In the 120 years of the olympic games, what kind of medal was won the most?
* If the dataset only has events up to the year 2016, which medal is expected to be earned the most in the following years?