1. Provide a summary of the different descriptive statistics you looked at and WHY.
2. 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?
3. Did you prove or disprove any of your initial hypotheses? If so, which one and what do you plan to do next?
4. What additional questions are you seeking to answer?

Hypothesis:

* Athlete with a height of 185cm or above tends to have a higher rate of winning a medal (Gold, Silver, Bronze).
* Athlete with age lower than 26 tends to have a higher rate of winning a medal (Gold, Silver, Bronze).
* Female participant and year have a positive linear relationship.

Since my initial hypothesis mainly concerned with the relationship between the athlete’s attributes and their chances of winning any medal, I looked at all the medal winner and his/her age, height and weight.

By looking at the dataset I found that,

1. The average height of the medal winner is higher (by about 2 cm) than the those that did not win a medal. (Might be biased though, as the dataset for non-medal winner is considerably larger than the medal winner.)
2. The athlete’s height of over 185cm has about 20% chances of winning any medal, whereas the athlete’s height of under 185cm has about 14%.
3. The number of female athletes has indeed increase over the years for both the summer and winter version of the events.

Through these analyses, I was able to prove 2 of my initial hypotheses as follow;

1. The athlete with height over 185cm has higher chances of winning a medal.
2. The number of female participants increased over years, therefore has positive linear relationship with each other.

For additional analysis, I’d like to investigate more on other attribute of the athlete and see how it affect the chances of winning a medal.

Additional question:

1. Leading country (in term of medal)
2. What attribute are highly correlate with winning a medal.