**Student Performance Data Set Analysis Observations and Results:**

**Observation #1**

A graph of a bar graph

Description automatically generated

As shown in the above graph, the data set is plotted with female count as red and male count as blue. With the highest female and male count we have group C and the least female and male count at group A.

**Observation #2**

As shown in the below Histograms, the range lies between 60 to 80 for most of the students

A group of graphs showing different levels of writing

Description automatically generated with medium confidence

**Observation #3**

A graph of different colored bars

Description automatically generated with medium confidence

The above figure concludes that, female score in math is lesser than reading and writing score when compared to Males. Similarly Male reading and writing score is lesser than Female reading and witing score.

**Observation #4**

A group of blue and orange boxes

Description automatically generated

The above figures show that test preparation course in X axis and scores are represented in Y axis. Depending on the score type and gender the scores may vary even with test preparation courses which help students to perform better.

**Observation #5**

A screenshot of a graph

Description automatically generated

The above figure is a correlation matrix and we can see that the math score is negatively correlated to reading and writing score whereas writing and reading score are positively correlated with each other