**Statistics Assignment – 2**

1. **How can we figure out what the interquartile range is?**

The range in between the first Quartile (25%) and the third quartile (75%) is said to interquartile range.

1. **What exactly is the value of the 5-number theory?**

Minimum: It is smallest value in the data

First-Quartile(Q1): The 25 percentiles of the data as said to be Q1

Median(Q2): The middle/center value of the data

Third-Quartile(Q3): The 75 percentiles of the data as said to be Q3

Maximum: The largest value in the data

1. **What is the relationship between standard deviation and variance?**

Standard deviation is how much far for data is spread from the mean, and variance is the spread of data

1. **What does the difference between variance and standard deviation mean?**

Quantitative data consist of all numerical types of data and Qualitative data consist of the category types of data.

1. **When is it appropriate to refer to a skewed data distribution?**

When the data is not evenly distributed then it is appropriate to a skewed distribution