# <u>Glossary</u>

#### 1. Data Set

A collection of information for a specific purpose is called a data set which forms the base for any statistical analysis.

#### 2. Stem and Leaf Plot

A Stem and Leaf Plot is a type of graph that is similar to a histogram but shows more information. It helps in summarizing the data to find its distribution and also extract detail about the individual values.

## 3. Stem

The digits in the largest place are referred to as the stem.

## 4. Leaf

The digits in the smallest place are referred to as the leaf (leaves).

#### 5. Title

The title briefly describes the information that is contained in the stem and leaf plot graph.

## 6. Key

The key explains what the stems and leaves represent. It shows how to interpret the digits. Every stem and leaf plot must have a key.

## 7. Legend

The legend provides additional information for that documents where the data came from and how the measurements were gathered.

#### 8. Split stems

Split stems are stem and leaf plots that helps in understanding the spread of the data which might reveal additional patterns.

#### 9. Back-to-back stem-and-leaf plots

A back-to-back stem and leaf plot also called as a double stem and leaf plot is sometimes used to compare two sets of data or rounded and truncated values of the same data.

#### 10. Mean

The mean or average is the sum of the numbers divided by the total number of data points.

#### 11. Median

The median is the middle number when the numbers are written in order. If there are even data points than the average of the middle two numbers are taken.

#### 12. Mode

The mode is the number that occurs most frequently.

#### 13. Symmetry

The property by which the sides of a figure or object reflect each other across a line (axis of symmetry) or surface

#### 14. Skewness

Degree to which a statistical distribution is not in balance around the mean (is asymmetrical or lopsided), a perfectly symmetrical distribution having a value of 0.

## 15. Outliers

An outlier is an observation that is numerically distant from the rest of the data