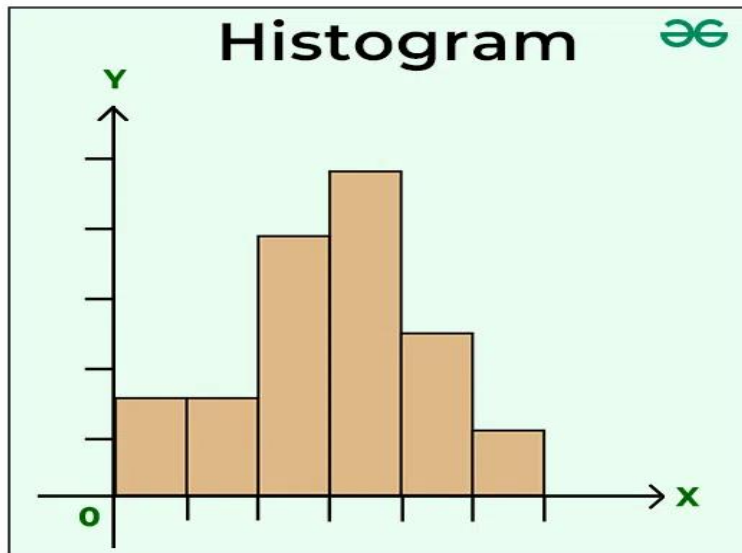


Summary

Histograms:

Histograms are graphs made up of bars where each bar represents the frequency of the occurrence of a range of values.



Stem And Leaf Plot:

A Stem and Leaf Plot is a special table where each data value is split into a stem (the first digit or digits) and a leaf (usually the last digit).

92, 96, 102, 115, 99, 108, 103,
91, 103, 113, 109, 117, 111, 103

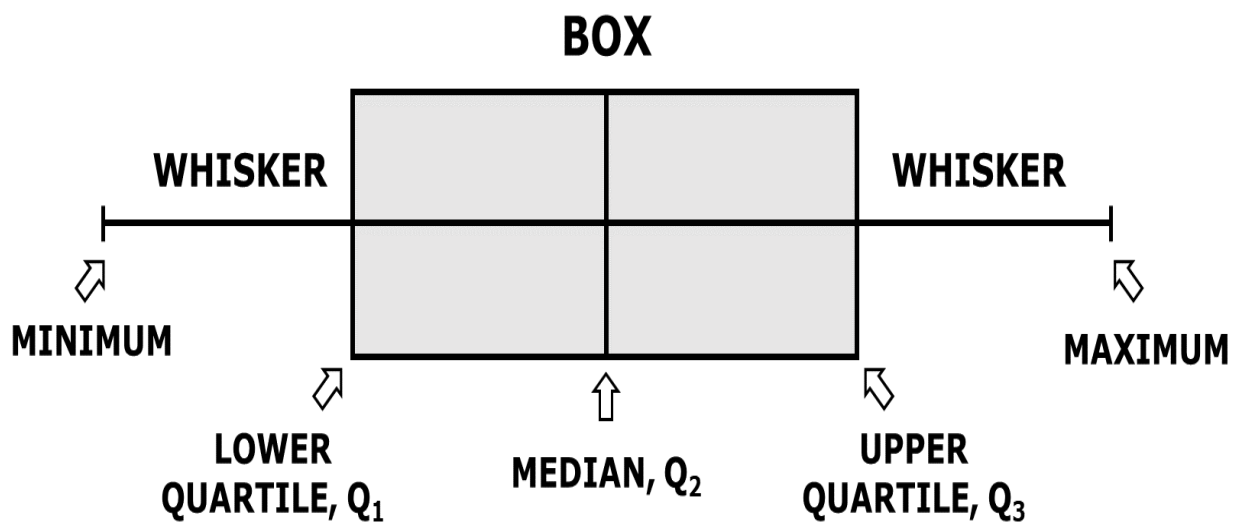
Key: 9|6 = 96

Stem	Leaf
9	1 2 6 9
10	2 3 3 3 8 9
11	1 3 5 7

Box And Whiskers Plot:

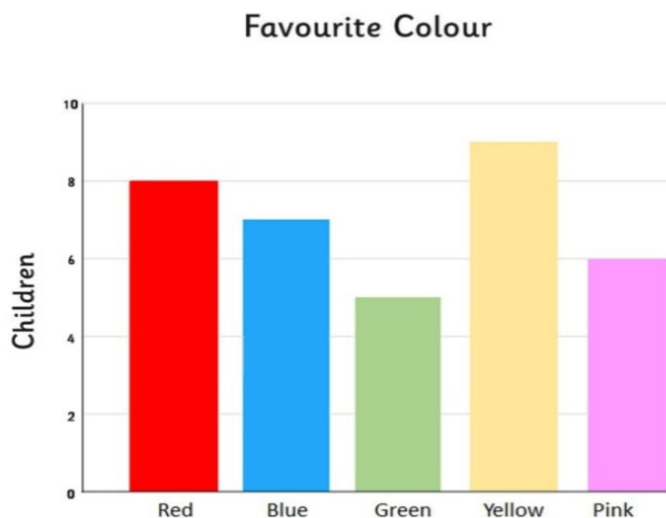
A box and whisker plot is effective in showing where the range in which most of the data fall, the interquartile range, and The maximum and minimum.

Figure 4.5.2.1 Building a box and whisker plot



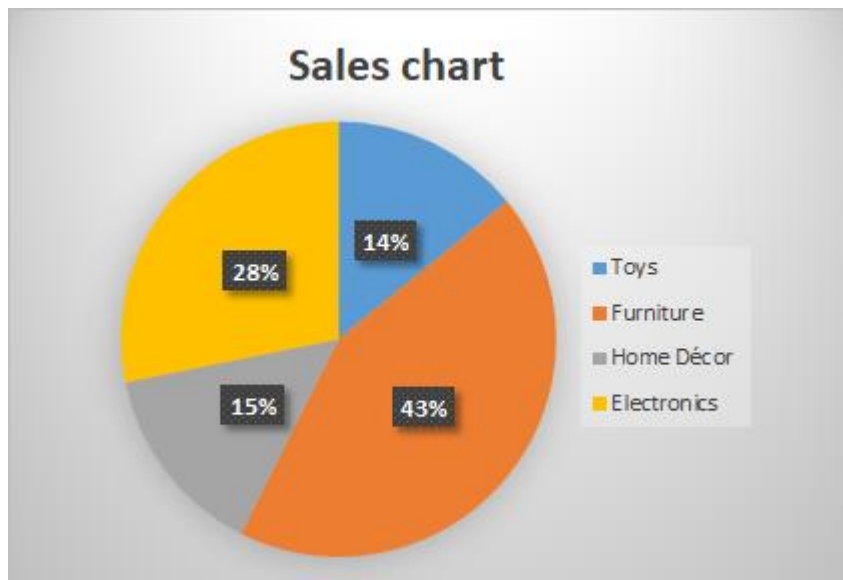
Bar Graphs:

In bar graphs, bars are used to represent the occurrence/frequency of categorical/qualitative data.



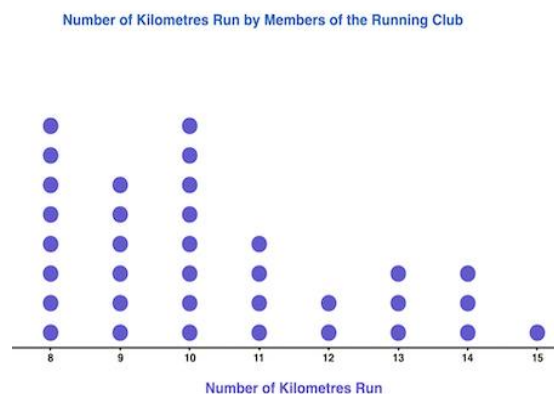
Pie Chart:

Pie charts are used to divide the data and show each data point(s) as part of a whole.



Dot Plot:

Dot Plots use a dot to represent an instance of the value in the x-axis. Dot plots are useful since they imitate the frequency distribution of data.



A graph is said to be symmetrical if the right side of the mean equals the left side of the mean and the median equals the mean. A graph is left skewed if most of the data falls to the left side of the mean and the median is greater than the mean. A graph is right skewed if most of the data fall to the right side of the mean and the median is less than the mean.

[illegible]

Violin Plot:

Violin Plots are used when you want to observe the distribution of numeric data, and are especially useful when you want to make a comparison of distributions between multiple groups.

