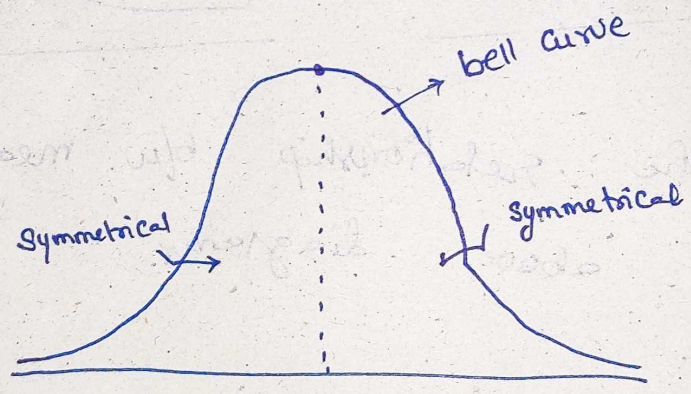
Assignment - 11 28-06-2022

Normal distribution :-

- It is also known as Gaussian distribution, it is a form of probability density curve which distributions forms a bell-curve
- In this the mean acts as as Central Tendency and the distribution from the centre is symmetrical on both sides.
- In this the mean, median, mode are equal



Normal distribution

Right Skewed distribution :-

- In this type of distribution, most data falls to the right, of the graph's peak. The curve formed will skews right side.

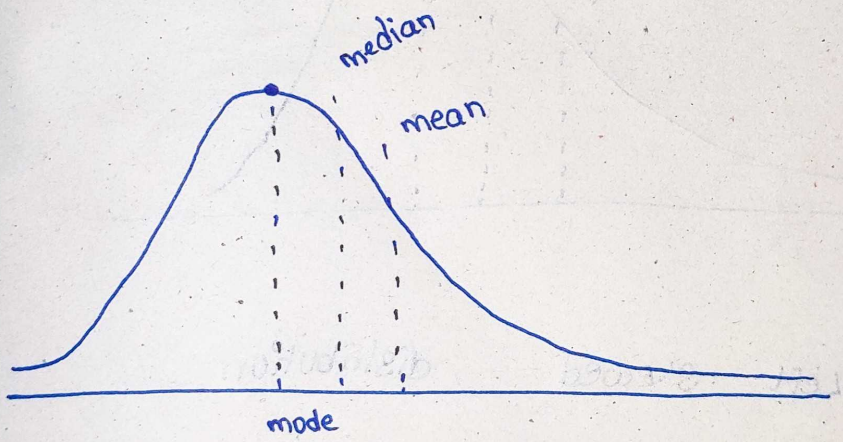
- The most no. of occurences create maximum point in the curve (i.e., mode)

- The median does not have any effect with the skewness. so it obtains without change.

- The mean considers the average of all the data, so, it will be away from max. point.

The relationship b/w the mean, median, mode resemble as

mean > median > mode



Right - skewed distribution

Left - skewed distribution :-

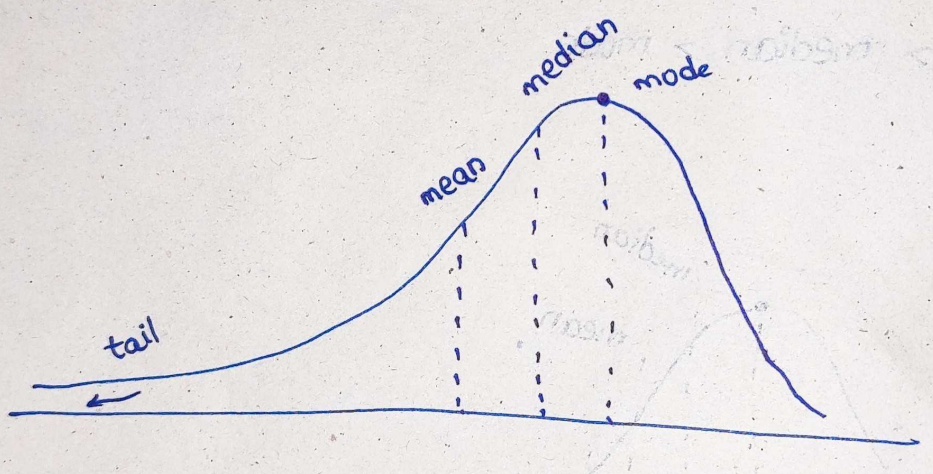
- In this type of distribution, most data falls to a left of the graph's peak. The curve formed will skews left side

- It occurs when the long tail is on the left side of the distribution

- It is also known as Negative skewed distribution

- In this mode is ~~greff~~ greater than median whereas median is greater than mode.

mode > median > mean



Left Skewed distribution