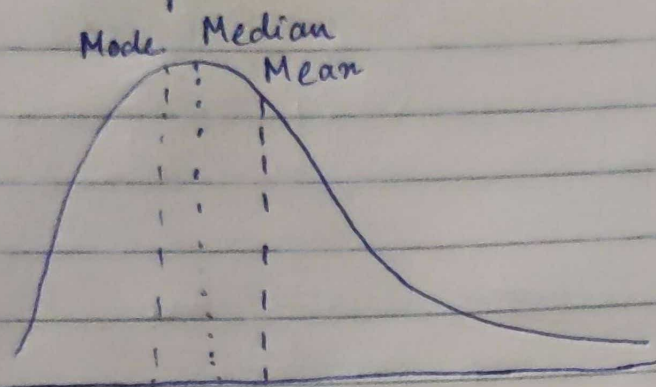
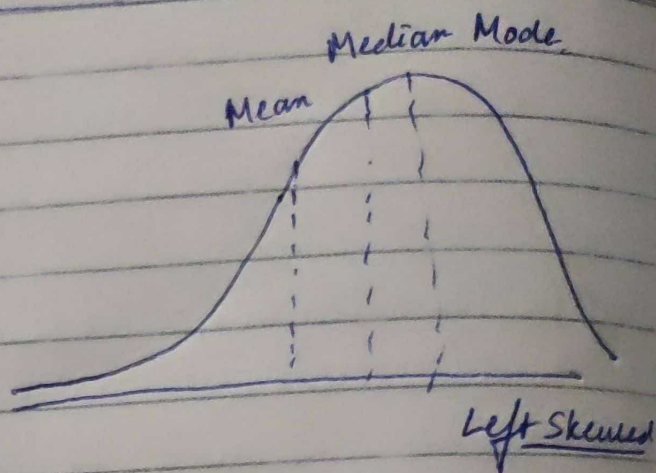


Q) In left & Right skewed data, what is the relationship between mean, median & mode? Draw the graph to represent the same.

Sol.



Right Skewed.



Left Skewed

In Right skewed as we are seeing according to graph

$$\text{Mean} > \text{Median} > \text{Mode.}$$

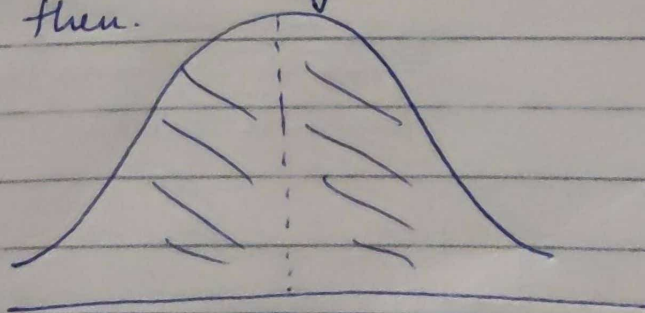
[Also known as +ve skewed]

While In Left skewed the relationships are

$$\text{Mean} < \text{Median} < \text{Mode.}$$

[Also known as -ve skewed]

Also when data is Normally distributed we see it's symmetric at both sides then.



Mean

$$\text{Mean} \approx \text{Median} \approx \text{Mode}$$

Here they are approximately equals to each other.