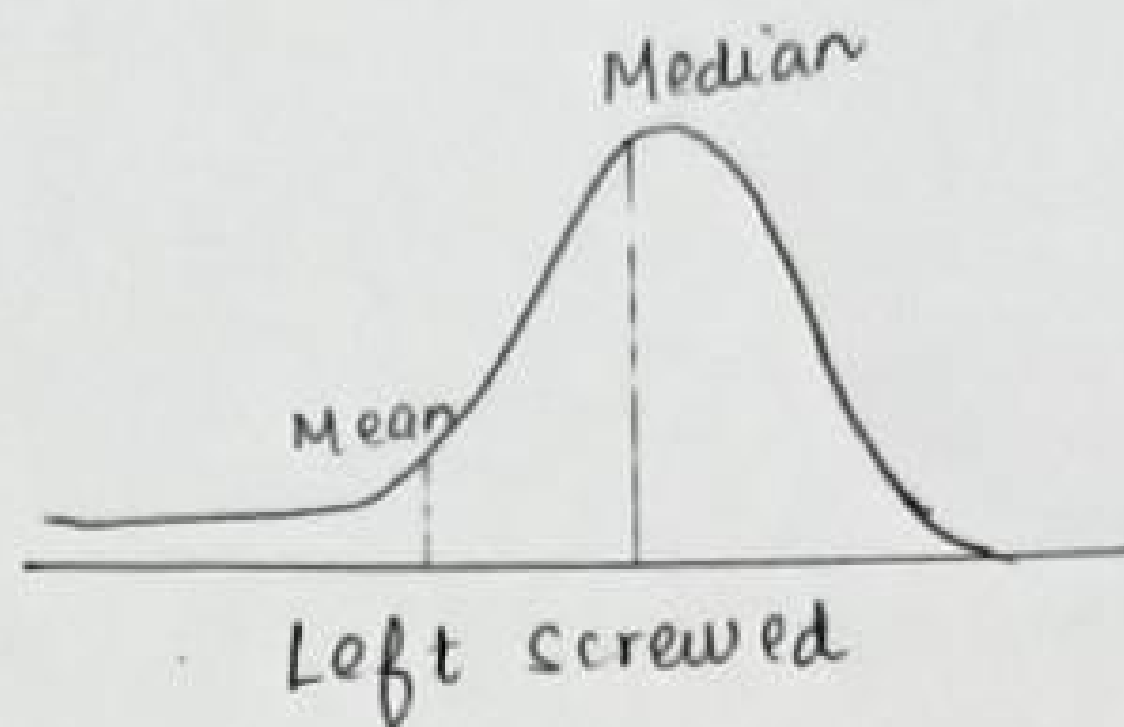
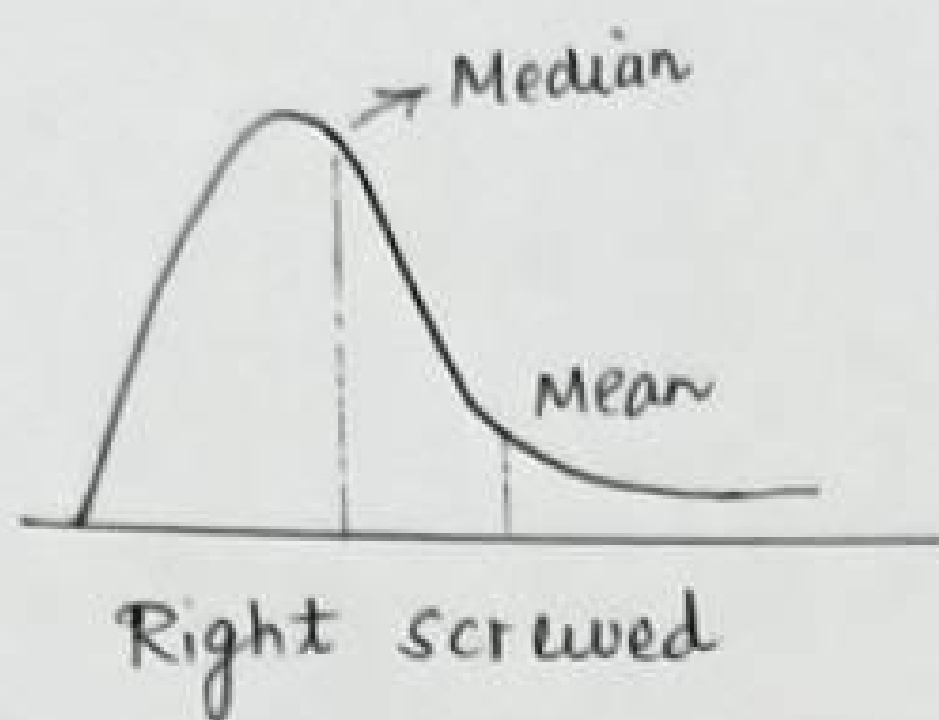


Assignment - 3

What is the difference between mean and median of left skewed and right skewed distribution



In right skewed data, the mean is always greater than the median. The reason is that the large values of outliers present on the right. These outliers affects the mean to large extent while median is not affected by these outliers.

On the other hand, in left skewed data, the mean is always lesser than the median because of the large values present on the left.

In short,

for right skewed data

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

for left skewed data

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