# Assignment-2

# What is the relationship between mean, median and mode in left and right skewed distribution?

# Relationship between Skewness and the Mean, Median, and Mode

# Relationship_between_mean_and_median_under_different_skewness.png

**A B C**

**(fig.1)**

In a positively skewed distribution, the median and mode would be **to the left of the mean**. That means that the mean is greater than the median and the median is greater than the mode (Mean > Median > Mode) that is shown in the above diagram A (fig.1).

In a negatively skewed distribution, the median and mode would be **to the right of the mean**. That means that the mean is less than the median and the median is less than the mode (Mean <Median < Mode) that is shown in the above diagram C (fig.1).

To summarize, generally if the distribution of data is skewed to the left, the mean is less than the median, which is often less than the mode. If the distribution of data is skewed to the right, the mode is often less than the median, which is less than the mean.