

Measure of Central Tendency	Computation	Interpretation	When to Use
Mean	<p>Population mean:</p> $\mu = \frac{\sum x_i}{N}$ <p>Sample mean: $\bar{x} = \frac{\sum x_i}{n}$</p>	Center of gravity	When data are quantitative and the frequency distribution is roughly symmetric
Median	Arrange the data in ascending order and find the observation in the middle	Divides the bottom 50% of the data from the top 50%	When the data are quantitative and the frequency distribution is skewed left or skewed right
Mode	Tally data to determine most frequent observation	Most frequent observation	When the most frequent observation is the desired measure of central tendency or the data are qualitative