

## Learning Objectives

- Calculate the arithmetic mean, weighted mean, geometric mean, median, and the mode.
- Explain the characteristics, uses, advantages, and disadvantages of each measure of location.
- Identify the position of the mean, median, and mode for both symmetric and skewed distributions.
- Compute and interpret the range, mean deviation, variance, and standard deviation.
- Understand the characteristics, uses, advantages, and disadvantages of each measure of dispersion.
- Calculate the mean and the standard deviation of grouped data.












