# FAQ's

1. Define arithmetic mean.

   **Answer:**

   If $x_1, x_2, x_3, \ldots \ldots x_n$ are a set of n values of a variate than the arithmetic mean is given by $\bar{x} = \dfrac{x_1, x_2, x_3 \ldots \ldots \ldots x_n}{n}$

2. Give the method to calculate mean.

   **Answer:**

   I. Short cut method

   $$\bar{x} = A + \sum \frac{fidi}{\sum fi}$$

   II. Step-deviation method

   $$\bar{x} = A + h \sum \frac{fidi}{\sum fi}$$

3. What do you mean median is statistics?

   **Answer:**

   If the values of a variable are arranged in the ascending order of magnitude the median is the middle item if the number is odd and is the mean of the two middle items if the number is even.

4. Define quartiles in statistics

   **Answer:**

   Quartiles are those values which divide the frequency into four equal parts, when the values are arranged in the ascending order of magnitude.

5. What is known mode in statistics?

   **Answer:**

   The mode is defined as that values of the variable which occurs most frequency i.e the value of the maximum frequency.