

## Statistical Tools and Interpretation

---

Question 1.

The most common measurement of central tendency is:

- (a) Median
- (b) Multiple
- (c) Mean
- (d) Weighted mean.

▼ [Answer](#)

Answer: (c) Mean

---

Question 2.

Division of one column in ten equal parts is called:

- (a) Decile
- (b) Quartile
- (c) Percentile
- (d) None.

▼ [Answer](#)

Answer: (a) Decile

---

Question 3.

Which of the following equation is correct:

- (a) Anova =  $\sigma$
- (b) Anova =  $\sigma^{-2}$
- (c) Anova =  $\sigma^4$
- (d) Anova =  $\sqrt{\sigma} \times 2$ .

▼ [Answer](#)

Answer: (b) Anova =  $\sigma^{-2}$

---

Question 4.

Where is correlation multiple placed:

- (a) Between 0 and + 1
- (b) Between - 1 and 0
- (c) Between - 1 and + 1
- (d) None of these.

▼ [Answer](#)

Answer: (c) Between - 1 and + 1

---

Question 5.

Base year is:



- (a) Comparison year
- (b) Present year
- (c) Any year
- (d) One year previous to present year.

▼ [Answer](#)

Answer: (a) Comparison year

---

Fill in the blanks:

1. Rule of ..... is supposed to be idle for creation of index.

▼ [Answer](#)

Answer: Fisher

---

2. Multiple is the value of column in which ..... comes repeatedly.

▼ [Answer](#)

Answer: Maximum

---

3. The value which divides the column into more than two parts is called .....

▼ [Answer](#)

Answer: Division

---

4. .... is the difference between maximum and minimum value.

▼ [Answer](#)

Answer: Range

---

5. .... is the simple ray that shows relation between two values.

▼ [Answer](#)

Answer: Analogical relation

---

State true or false:

1. Cumulative frequency shows "less than" or "more than" of any sequence.

▼ [Answer](#)

Answer: True

---

2. 5 is the mode of the numbers 3, 4, 3, 5, 5, 3, 2.



▼ Answer

Answer: False

3. Range is found by adding highest value and smallest value.

▼ Answer

Answer: False

4. Money inflation is measured on changes of index number of whole sale market of weekly statement.

▼ Answer

Answer: True

5. High income leads high savings.

▼ Answer

Answer: True

Match the columns:

Column A	Column B
1.     , here $\Sigma x$ is	(a) Positive or negative
2. Formula of range	(b) Minimum effect of values
3. Type of correlation	(c) Total of all values
4. Consumer Price Index	(d)
5. Median	(e) Cost of living index.

▼ Answer

Answer:

Column A	Column B
1.     , here $\Sigma x$ is	(c) Total of all values
2. Formula of range	(d)
3. Type of correlation	(a) Positive or negative
4. Consumer Price Index	(e) Cost of living index.
5. Median	(b) Minimum effect of values

Answer in one word:

1. Graphic method of studying dispersion.

▼ [Answer](#)

Answer: Lorenz curve

---

2. Definite relation between two or more groups.

▼ [Answer](#)

Answer: Correlation

---

3. One which divides column in ten equal parts.

▼ [Answer](#)

Answer: Deciles

---

4. In India which index helps to measure average change in prices.

▼ [Answer](#)

Answer: Consumer Price Index

---

5. Saving is directly related to.

▼ [Answer](#)

Answer: Income

---

6. What is measure of central tendency?

▼ [Answer](#)

Answer: Measure of central tendency is the single value which represents the characteristics of the entire universe.

---

7. Which is the popular measure of central tendency?

▼ [Answer](#)

Answer: Arithmetic mean.

---

8. Define Arithmetic mean?

▼ [Answer](#)

Answer: It is defined as the sum of the values of all observations divided by the number of observations.

---

9. Find out mode from the following data:

7, 12, 8, 5, 9, 10, 9, 11, 96

▼ [Answer](#)

Answer: 9 is the number which is repeated maximum number of times. Hence, mode is 9.

---

10. Write the formula of weighted arithmetic mean?

▼ [Answer](#)

Answer: Weighted Arithmetic Mean =

---



