# STATISTICS WORKSHEET 2

1) What represents a population parameter?
   i. SD
   ii. Mean
   iii. Both
   iv. None

Answer = Both, option (iii)

2) What will be median of following set of scores (18,6,12,10,15)?
   i. 14
   ii. 18
   iii. 12
   iv. 10

Answer = 12, option (iii)

3) What is standard deviation?
   i. An approximate indicator of how number vary from the mean
   ii. A measure of variability
   iii. The square root of the variance
   iv. All of the above

Answer = All of the above, option (iv)

4) The intervals should be …………. in a grouped frequency distribution
   i. Exhaustive
   ii. Mutually exclusive
   iii. Both of these
   iv. None

Answer = Both of these, option (iii) [exhaustive and mutually exclusive]

5) What is the goal of descriptive statistic?
   i. Monitoring and manipulating a specific data
   ii. Summarizing and explaining a specific set of data
   iii. Analysing and interpreting a set of data
   iv. All of these

Answer = Summarizing and explaining a specific set of data, option (ii)

6) A set of data organised in a participant by variable format is called
   i. Data junk
   ii. Data set
   iii. Data view
   iv. Data dodging

Answer = Data set, option (ii)

7) In multiple regression ………. Independent variables are used
   i.    2 or more
   ii.   2
   iii.  1
   iv.   1 or more

Answer = 2 or more, option (i)

8) Which of the following is used when you want to visualise examine the relationship between 2 quantitative variables?
   i.    Line graph
   ii.   Scatterplot
   iii.  Bar graph
   iv.   Pie graph

Answer = Scatterplot, option (ii)

9) Two or more group means are compared by using
   i.    Analysis
   ii.   Data analysis
   iii.  Varied variance analysis
   iv.   Analysis of variance

Answer = Analysis of variance, option (iv)

10) ………….. is a raw score which has been transformed into standard deviation units?
   i.    Z-score
   ii.   T-score
   iii.  E-score
   iv.   SDU score

Answer = Z-score, option (i)

11) ……… is the value calculated when you want the arithmetic average?
   i.    Median
   ii.   Mode
   iii.  Mean
   iv.   All

Answer = Mean, option (iii)

12) Find the mean of these set of numbers (4,6,7,9,2000000)
   i.    4
   ii.   7
   iii.  7.5
   iv.   400005.2

Answer = 400005.2, option (iv)

13) ………. Is a measure of central tendency that takes into account the magnitude of scores?

i. Range
ii. Mode
iii. Median
iv. Mean

Answer = Median, option (iii)

14) …………. Focuses on describing or explaining data whereas ……… involves going beyond immediate data and making inferences
i. Descriptive and inferences
ii. Mutually exclusive and mutually exhaustive properties
iii. Positive skew and negative skew
iv. Central tendency

Answer = Descriptive and inferences, option (i)

15) What is the formula for range?
i. H+L
ii. L-H
iii. L*H
iv. H-L

Answer = H-L, option (iv)