



Statistics.d

- 1 Price relatives computed for chain base method are called
- 2 In the fix base method, the base period should be
- 3 The most suitable average for index numbers is
- 4 The index for the base period is always taken as
- 5 Find the mode of the call received on 7 consecutive days
11,13,13,17,19,23,25
- 6 When the Mean of a number is 18, what is the Mean of the sampling distribution?
- 7 Find the arithmetic mean of the set of data: 6,1,5,8, and 10
- 8 Poisson distribution is applied for
- 9 Find the range of the following data sets 61,22,34,17,81,99,42,94.
- 10 The relationship between two variables partialling out the effect that a third variable has on one of those variables can be expressed using a:
- 11 A café owner decided to calculate how much revenue he gained from lattes each month. What type of variable would the amount of revenue gained from lattes be?
- 12 If a test is valid, what does this mean?
- 13 When questionnaire scores predict or correspond with external measures of the same construct that the questionnaire measures it is said to have:
- 14 A café owner wanted to compare how much revenue he gained from lattes across different months of the year. What type of variable is 'month'?
- 15 Which of the following is appropriate to graph a single categorical variable?
- 16 Which of the following is not a recommended type of graph and cannot compare the complex data?





- 17 Density plots, histograms, and boxplots can all be used to
- 18 Custom functions are useful when doing which of the following?
- 19 Which of the following measures would be most appropriate for describing the spread of a variable that is extremely right-skewed?
- 20 Which of the following measures would be most appropriate for describing the central tendency of a variable that is continuous and normally distributed?
- 21 When the values in a series do not have equal importance, we calculate the _____.
- 22 Which measure of central tendency includes the magnitude of scores?
- 23 Which of the following is not a disadvantage of using mean?
- 24 _____ is not a measure of central tendency.
- 25 Percentiles divide a series into _____
- 26 Which of the following diagrams is used to find the value of mode graphically?
- 27 The _____ for a set of scores can be obtained by using the formula $\frac{X_{75} - X_{25}}{2}$
- 28 You have collected a set of scores from participants performing a reaction time task. You decide that the most appropriate measure of central tendency for the scores is the median. The most appropriate measures of variability would thus be the
- 29 Process that expands the range of intensity levels in image is called
- 30 The shape of symmetrical distribution is _____
- 31 The binomial distribution depends on which of the following?
- 32 In a normal distribution, 95% of observations are
- 33 A sampling distribution shows
- 34 What is the probability that a ball is drawn at random from a jar?





- 35) The multiplication law is potentially helpful when we are interested in computing the probability of
- 36) In a colony, there are 55 members. Every member posts a greeting card to all the members. How many greeting cards were posted by them?
- 37) Which one of these variables is a binomial random variable?
- 38) Which of the following is NOT an assumption of the Binomial distribution? _____"
- 39) What does the r stand for in the binomial probability formula?
- 40) What does Poisson Distribution describe?
- 41) A course is being rated by students on a scale of 1 star to 5 stars. What is the level of measurement being used in this case?
- 42) Interval and Ratio types of data by nature are:
- 43) One column in a data table is the gender of the employee (e.g. Male, Female, Undefined). What level of measurement is used here?
- 44) A slippery-slope pattern of argument is fallacious when... One column in a data table is the daily temperature in degrees Celsius.
- 45) Participant observation is _____ .
- 46) Which of the following aspects is an advantage of closed questions?
- 47) The quality of data depends on the wording of questions. Which of the following should be used when formulating effective questions?
- 48) How much money do you spend on cigarettes each week?' This is an example of a _____ question.
- 49) Which of the following sampling methods, which is a probability method?
- 50) Which of the following is not a type of non-probability sampling?
- 51) According to what theory does the proposition "X causes Y" mean that an intervention to change the value or probability distribution of X will change the value or probability distribution of Y?
- 52) Sample is regarded as a subset of?





- 53 The difference between the expected value of a statistic and the value of the parameter being estimated is called a:
- 54 A 95% confidence interval for the mean of a population is such that
- 55 Estimates given in the form of confidence intervals are called
- 56 A confidence interval will be widened if
- 57 By decreasing the sample size, the confidence interval becomes
- 58 $(1 - \alpha)$ is called
- 59 The distance between an estimate and the estimated parameter is called
- 60 The shape of the t-distribution depends upon the
- 61 Which of the following is true for the coefficient of correlation?
- 62 If the values of two variables move in the same direction, _____
- 63 What is the meaning of the testing of the hypothesis?
- 64 Which of the following statements is true about the type two error?
- 65 Which of the following statements is true about the correlational analysis between two sets of data?
- 66 The original hypothesis is known as _____.
- 67 Which of the following techniques is an analysis of the relationship between two variables to help provide the prediction mechanism?
- 68 Which of the following statements is true about the null hypothesis?
- 69 The independent variable is used to explain the dependent variable in _____.
- 70 In regression analysis, the variable that is being predicted is
- 71 Least square method calculates the best-fitting line for the observed data by minimizing the sum of the squares of the _____ deviations.





- 72) The standard deviation is to the mean as the _____ is to the regression line
- 73) A residual is defined as
- 74) A measure of goodness of fit for the estimated regression equation is the
- 75) If a regression coefficient is less than 1 then the other should be?
- 76) Negative autocorrelation can be indicated by which of the following?
- 77) When measurement errors are present in the explanatory variable(s) they make
- 78) For the presence and absence of first-order autocorrelation valid tests are
- 79) Choose a true statement about Durbin-Watson test

