



Theory of Probability and Mathematical Statistics.d

- 1 Which of the following values is used as a summary measure for a sample, such as a sample mean?
- 2 Which of the following is a branch of predictive statistics?
- 3 The control charts and procedures of descriptive statistics which are used to enhance a procedure can be classified into which of these categories?
- 4 Which of the following can also be represented as sample statistics?
- 5 To which of the following options do individual respondents, focus groups, and panels of respondents belong?
- 6 What are the variables whose calculation is done according to the weight, height, and length known as?
- 7 Which method used to examine inflation rate anticipation, unemployment rate, and capacity utilisation to produce products?
- 8 Specialised processes such as graphical and numerical methods are utilised in which of the following?
- 9 What is the scale applied in statistics, which imparts a difference of magnitude and proportions, is considered as?
- 10 Review of performance appraisal, labour turnover rates, planning of incentives, and training programs are the examples of which of the following?
- 11 A graphical method of representing the sample points of a multiple-step experiment is ...
- 12 If the frequency curve has a longer tail to left, the distribution is ...
- 13 Decumulative frequency is presented by ...
- 14 Which of the following is an example of compressed data: ...
- 15 A circle in which sectors represents various quantities is called ...
- 16 The frequency polygon is a closed diagram of ...
- 17 Frequency curve is ...





- 18 A histogram is ...
- 19 Component bar charts are used when data is divided into: ...
- 20 A Histogram containing a set of ...
- 21 Which of the following is appropriate to graph a single categorical variable?
- 22 Which of the following is appropriate to graph a single continuous variable?
- 23 A mosaic plot is used when graphing ...
- 24 Which of the following is not a recommended type of graph?
- 25 Density plots, histograms, and boxplots can all be used to ...
- 26 The graph which shows the changes over a specific time period is called ...
- 27 The vertical axis of bar graph is also known as ...
- 28 Considering the line graph, the x-axis represents ...
- 29 Considering the line graph, the y-axis represents ...
- 30 The horizontal axis of bar graph is also known as ...
- 31 Which measure of central tendency takes into account the magnitude of scores?
- 32 The median of an ordered set of data is the value that represents ...
- 33 A measure of central tendency, given as the value above which half of the values fall and below which half of the values fall is called the ...
- 34 What is the median of the following set of scores? 19, 5, 12, 10, 14?
- 35 The mean of ten numbers is 58. If one of the numbers is 40, what is the mean of the other nine?
- 36 On his first 5 biology tests, Bob received the following scores: 72, 86, 92, 63, and 77. What test score must Bob earn on his sixth test so that his average (mean score) for all six tests will be 80





- 37 Following are the disadvantages of Mean except ...
- 38 Which of the following is NOT a common measure of central tendency?
- 39 There are two methods of finding mode in discrete series ...
- 40 Following are the partition values except ...
- 41 The techniques which provide the decision maker a systematic and powerful means of analysis to explore policies for achieving predetermined goals are called ...
- 42 Correlation analysis is not a ...
- 43 If change in one variable results a corresponding change in the other variable, then the variables are ...
- 44 When the values of two variables move in the same direction, correlation is said to be ...
- 45 When the values of two variables move in the opposite directions, correlation is said to be ...
- 46 When the amount of change in one variable leads to a constant ratio of change in the other variable, then correlation is said to be ...
- 47 ... attempts to determine the degree of relationship between variables.
- 48 Non-linear correlation is also called ...
- 49 Scatter diagram is also called ...
- 50 If all the points of a scatter diagram lie on a straight line falling from left upper corner to the right bottom corner, the correlation is called ...
- 51 If you rolled a 6-sided dice, what is the probability of rolling a 3?
- 52 If you flipped 2 coins, what is the probability that both will land on tails?
- 53 If you rolled a 6-sided dice, what is the probability of rolling a even number?
- 54 A lolly bag contains 2 red, 3 green and 2 blue gum balls. What is the probability of selecting a green one?
- 55 A card is selected from a deck of playing cards. What is the probability of selecting a red card?





- 56 What is the probability of selecting the diamond suit from a deck of playing cards?
- 57 What is the probability of rock beating paper?
- 58 If you flipped a coin, what is the probability it will land on heads?
- 59 There are red, yellow and green lollipops in a bag. What is the probability of selecting a blue one?
- 60 What is the probability of paper losing to scissors?
- 61 Data originally collected in the process of investigation are known as ...
- 62 Census is ...
- 63 Statistical enquiry means ...
- 64 ... are those which are already in existence and which might be collected for some purpose other than the answering of the question in hand.
- 65 Which law is also called Principle of Stability of Mass Data ...
- 66 Following are the method of restricted random sampling except ...
- 67 An enquiry in which each unit of the universe is studied is called ...
- 68 Cluster sampling means ...
- 69 How sample method is differ from census method on the basis of cost?
- 70 In ... information is recorded by the informants themselves whereas in ... information as supplied by the informants is recorded by the enumerators.
- 71 Which of the following are not the assumptions underlying the use of parametric tests (based on the normal distribution)?
- 72 Which of the following is the least affected by outliers?
- 73 Which of the following is not a transformation that can be used to correct skewed data?





- 74 If we were to pull all possible samples from a population, calculate the mean for every sample, and construct a graph of the shape of the distribution based on all of the means, what would we have?
- 75 Approximately what percentage of people would have scores lower than an individual with a z-score of 1.65 in a normally distributed sample?
- 76 The binomial distribution depends on which of the following?
- 77 The normal distribution depends on which of the following?
- 78 In a normal distribution, 95% of observations are ...
- 79 A sampling distribution shows ...
- 80 The z-score is ...

