You conduct a hypothesis test and you observe values for the sample mean and sample standard deviation when n = 25 that do not lead to the rejection of . You calculate a p-value of 0.0667. What will happen to the p-value if you observe the same sample mean and standard deviation for a sample > 25?

Answer decrease

Question

For the chi-square test to be effective, the expected value for each cell in the contingency table has to be at least

Answer 5

Question

For t distribution, increasing the sample size, the affect will be on

Answer All the options

Question

noungeeks.com If we reject the null hypothesis, we might be making

Answer Typel Error

Question

In a regression, that the standard error of the regression is, the greater the accuracy of the prediction will be

Answer Smaller

Question

A residual is defined as

Answer

 $(Y-\widehat{Y})$

Question

In regression analysis, the variable that is used to explain the change in the outcome of an experiment, or some natural process, is called

Answer

all of the above (a-c) are correct

Question

The regression line is drawn so that:

Answer

The sum of the squared errors is as small as possible

Question

The percent of total variation of the dependent variable Y explained by the set of Coefficient of Determination noungeeks.com

Question

If the coefficient of determination is 0.81, the correlation coefficient

Answer

could be either (+ 0.9 or - 0.9)

Question

Suppose men always married women who were 10 percent shorter than they were. The correlation coefficient of the heights of married couples would be

Answer

1.0 since the height of the man is always predictable from the height of the woman

Question

We measure heights and weights of 100 twenty-year old male college students. Which

will have the higher correlation
Answer Both will have the same correlation
Question Suppose the correlation coefficient between heights (as measured in feet) versus weight (as measured in pounds) is 0.40. What is the correlation coefficient of height measured in inches versus weight measured in ounces? [12 inches = one foot; 16 ounces = one pound]
Answer 0.4
Question An investigator is studying the relation between the physical and intellectual growth of primary school children (grades 1-6). At each grade level, she notes that the correlation between the height of children and the size of their vocabulary is zero. For all students in the school, the correlation is likely to be
Answer Positive Question
Question A summary measure that describes any given characteristic of the population is known as a
Answer Parameter
Question A sample is formed by selecting one unit at random and then selecting additional units at evenly spaced intervals until the sample has been formed Answer Systematic

Question Laspeyre's index numbers possess _____

Answer	
Upward	bias

<u> </u>	4: _	
()	IDStin	r

Most commonly used index number is_____

Answer

None

Question

Investor wishing to invest N100,000 in one of three possible investment alternatives, A, B, and C is an example of

Answer

Decision making under uncertainty

Question

The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most Negatively Skewed Noungeek

Question

The mean of a distribution is 14 and the standard deviation is 5. What is the value of the coefficient of variation?

Answer

0.357

Question

The mean deviation of the series $(a, a + d, a + 2d \cdot d)$ from its mean is

Answer

n (n +1) d /2n +1

Question A student obtained the mean and the standard deviation of 100 observations as 40 and 5.1. It was later found that one observation was wrongly copied as 50, the correct figure being 40. Find the correct mean and the S.D
Answer Mean = 39.9, S.D =5
Question For a negatively skewed distribution, the correct inequality is
Answer Mean Ougstion
Question What percentage of values is greater the 3rd quartile?
Answer 0.25
Question Which of the following is a unit less measure of dispersion? Answer Coefficient of variation
Answer Coefficient of variation
Question Individual data is another wise called as

Answer raw data

The data given as 5, 7, 12, 17, 79, 84, and 91 will be called as_____

Answer

An individual series

Which of the following example does not constitute an infinite population?

Answer

Population of heights of 15 year old children.

Question

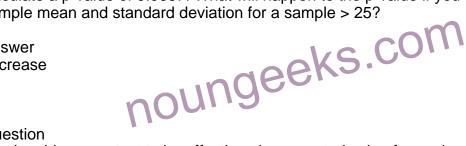
In a web-based survey, customers are asked to rate your company's product on the following scale: Excellent, good, average, poor. The above scale is

Answer ordinal

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