**BUS 322 F23**

**Quiz 2 Questions**

**as of 10/5/23**

**Question 1 of 30**

Which of the following statements is true with regards to the concept of Type II error?

**Question 2 of 30**

Which of the following statements is true with regards to the concept of Type I error?

**Question 3 of 30**

To calculate the required Sample Size the following information are required:

**Question 4 of 30**

Which of the following statements is true with regards to the concept of Critical Value?

**Question 5 of 30**

Which of the following statements is true with regards to the concept of Test Statistic?

**Question 6 of 30**

Which of the following statements is true with regards to the concept of Two-tailed test?

**Question 7 of 30**

Which of the following statements is true with regards to the concept of Ho?

**Question 8 of 30**

Which of the following statements is true with regards to the concept of Degrees of Freedom?

**Question 9 of 30**

A large sample consists of:

**Question 10 of 30**

When 𝞼 is unknown the z distribution should always be used:

**Question 11 of 30**

Which of the following statements is true with regards to the concept of Student's t distribution? It:

**Question 12 of 30**

Which of the following statements is true with regards to the concept of one-tailed test?

**Question 13 of 30**

Statistical Inference is a selection and use of sample data to produce information about the population from which the sample was derived.

**Question 14 of 30**

The application of the Central Limit Theorem allows one to use the normal probability distribution to approximate sampling distribution of the sampling mean for a sufficiently large sample:

**Question 15 of 30**

Which of the following statemen(s) is(are) correct with regards to Ha? It:

**Question 16 of 30**

Which of the following statemen(s) is(are) correct with regards to Target Population?

**Question 17 of 30**

The Point Estimate is a statistic computed from a sample and used to estimate the population parameter:

**Question 18 of 30**

When formulating a hypothesis test, which of the following guidelines should be followed?

**Question 19 of 30**

Which of the following apply to the concept of a Confidence Interval?

**Question 20 of 30**

The α represents the Sampling Error:

**Question 21 of 30**

The reason for using the t-distribution is:

**Question 22 of 30**

When testing hypothesis, which steps should precede the collection and examination of data:

**Question 23 of 30**

A Proportion is:

**Question 24 of 30**

A significance level is denoted by the symbol of beta:

**Question 25 of 30**

One-tailed test and two-tailed test will always have the same critical value(s)?

**Question 26 of 30**

Sampling distribution is a distribution of the possible values of statistics for a given size random sample selected from a population:

**Question 27 of 30**

In Hypothesis testing, when the sample is ≥ 30, the “s” value can be substituted for 𝞼:

**Question 28 of 30**

Inferential Statistics is:

**Question 29 of 30**

The Sampling Error is the difference between a sample statistic and its corresponding population parameter:

**Question 30 of 30**

The Law of Large Numbers is a statistical principle which establishes that sample means will approach the mean of the parent population as sample size increases:

T/F