Assignment 9

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2019-04-03, 23:59 IST.

1) The t distribution are

- a) Same as normal curve
- b) Skewed
- c) Symmetrical
- d) None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
c) Symmetrical

2) Which of the following is true of the null and alternative hypotheses?

- a) Exactly one hypothesis must be true
- b) both hypotheses must be true
- c) It is possible for both hypotheses to be true
- d) It is possible for neither hypothesis to be true

No, the answer is incorrect.
Score: 0
Accepted Answers:
a) Exactly one hypothesis must be true

3) Smaller p-values indicate more evidence in support of:

- a) the null hypothesis
- b) the alternative hypothesis
- c) the quality of the researcher
- d) further testing

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) the alternative hypothesis
No, the answer is incorrect.
Score: 0
Accepted Answers:
a) analyzing the difference between more than two population means

5) Typically one-way ANOVA is used in which of the following situations?

I. there are several distinct populations
II. there are two sample populations over 4000
III. randomized experiments
IV. randomly selected populations

a) All of the above
b) II and III only
c) I, II, and III only
d) I, and III only

No, the answer is incorrect.
Score: 0
Accepted Answers:
d) I, and III only

6) A p-value is considered “convincing” if it is:

a) less than 0.01
b) between 0.01 and 0.05
c) 0.05 and 0.10
d) greater than 0.10

No, the answer is incorrect.
Score: 0
Accepted Answers:
a) less than 0.01

7) If a researcher takes a large enough sample, he/she will almost always obtain:

a) practically significant results
b) consequentially significant results
c) statistically significant results
d) virtually significant results

No, the answer is incorrect.
Score: 0
Accepted Answers:
c) statistically significant results

8) The null and alternative hypotheses divide all possibilities into:

a) two sets that overlap
b) two non-overlapping sets
c) two sets that may or may not overlap
d) as many sets as necessary to cover all possibilities
No, the answer is incorrect.
Score: 0

Accepted Answers:
b) two non-overlapping sets

9) The value set for is known as:

☐ a) the acceptance level
☐ b) the significance level
☐ c) the error in the hypothesis test
☐ d) the rejection level

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) the significance level

10) Which of the following tests are used to test for normality?

☐ a) A t-test and an ANOVA test
☐ b) An Empirical CDF test and an F-test
☐ c) A Chi-Square test and a Lilliefors test
☐ d) A Quantile-Quantile plot and a p-value test

No, the answer is incorrect.
Score: 0

Accepted Answers:
c) A Chi-Square test and a Lilliefors test