Started on	Tuesday, 27 October 2020, 6:11 PM
State	Finished
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Time taken	56 secs
Grade	**5.00** out of 5.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Consider testing the hypotheses: H_0: μ=100 vs H_a: μ≠100, with a large sample. If the value of the test statistic is equal to 1.36, then the *p*-value is:

a. 0.9131

b. 0.1738 ✔

c. 0.4131

d. 0.2066

Your answer is correct.

The correct answer is:
0.1738

Question **2**

Correct

Mark 1.00 out of 1.00

If a hypothesis is rejected at the 0.02 level of significance, it:

a. must be rejected at any level

b. must not be rejected at the 0.05 level

c. may or may not be rejected at the 0.05 level

d. must be rejected at the 0.05 level ✔

Your answer is correct.

The correct answer is:
must be rejected at the 0.05 level

Question **3**

Correct

Mark 1.00 out of 1.00

Which of the following *p*-values will lead us to reject the null hypothesis if the level of significance $\alpha=0.05$?

- a. 0.20
- b. 0.10
- c. 0.025 ✔
- d. 0.05

Your answer is correct.

The correct answer is:
0.025

Question **4**

Correct

Mark 1.00 out of 1.00

A government testing agency studies aspirin capsules to see if customers are getting cheated with capsules that contain lesser amounts of medication than advertised. Suppose the testing agent concludes the capsules contain a mean amount below the advertised level when in fact the advertised level is the true mean. Which type of error, if any, did the testing agency commit?

- a. Need more information to answer this question
- b. This is the correct decision
- c. This is a Type I error ✔
- d. This is a Type II error

Your answer is correct.

The correct answer is:
This is a Type I error

Question **5**

Correct

Mark 1.00 out of 1.00

If we reject the null hypothesis, we conclude that:

a. There is enough statistical evidence to infer that the alternative hypothesis is false

b. There is enough statistical evidence to infer that the null hypothesis is true

c. There is not enough statistical evidence to infer that the alternative hypothesis is true

d. There is enough statistical evidence to infer that the alternative hypothesis is true ✔

Your answer is correct.

The correct answer is:
There is enough statistical evidence to infer that the alternative hypothesis is true

◄ Ch8.Q2

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Ch8.Q4 ►