

csd3240-csd3241-f24-meta.sg

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Started on	Thursday, 28 November 2024, 2:09 PM
State	Finished
Completed on	Thursday, 28 November 2024, 2:39 PM
Time taken	29 mins 59 secs
Grade	10.00 out of 10.00 (100%)

Question 1

Complete

Mark 2.00 out of 2.00

Flag question

The null hypothesis is something we want to be false.

Select one:

☐ a. True

☒ b. False

The correct answer is: False

Question 2

Complete

Mark 2.00 out of 2.00

Flag question

A type-2 error made by a road patrol may result in letting drunken drivers continue driving

Select one:

☒ a. True

☐ b. False

The correct answer is: True

Question 3

Complete

Mark 2.00 out of 2.00

Flag question

We want our test to have a high significance level and power.

Select one:

☒ a. False

☐ b. True

The correct answer is: False

Question 4

Complete

Mark 2.00 out of 2.00

Flag question

You think a die is rigged so that it will roll 4 less often. You continually roll the die until you get a 4 and you have to roll 10 times before this happens. What is the null hypothesis?

Select one:

☐ a. $H_0 : p = 2/5$

☒ b. $H_0 : p = 1/6$

☐ c. $H_0 : p = 1$

☐ d. $H_0 : p = 1/4$

☐ e. None of these

The correct answer is: $H_0 : p = 1/6$

Question 5

Complete

Mark 1.00 out of 1.00

Flag question

What is the p-value

Select one:

☐ a. None of these

☐ b. 0.38

☐ c. 0.2

☒ d. 0.16

☐ e. 0.17

The correct answers are: 0.16, 0.2, None of these

Question 6

Complete

Mark 1.00 out of 1.00

Flag question

Is your suspicious correct with $\alpha = 0.05$. Can you reject the null hypothesis?

Select one:

☐ a. Can Reject

☒ b. Cannot Reject

The correct answer is: Cannot Reject

Quiz navigation

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Rigged Coin

4

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