

AP Stats review sheet for unit 5 test.

Multiple choice section.

1. What is the correct interpretation of a confidence interval?
2. Calculate a p-value based off of given data, by using the correct hypothesis test.
3. Calculate a confidence interval with given data.
4. What is the number of degrees of freedom in the given problem?
5. Calculate a p-value based off of given data, by using the correct hypothesis test.
6. Calculate the mean of a normal distribution with the given data and the equation
$$z = \frac{x - \mu}{\sigma}.$$
7. What happens to the mean and standard deviation when all terms in a list are increased, decreased, multiplied, or divided by a certain number?
8. Know what it is to have a type I and type II error in context with a specific situation.
9. What is meant by having a certain margin of error?
10. Calculate an expected value.
11. What effect is there with changing the confidence level?
12. What are the null and alternative hypotheses for a specific scenario?
13. A least squares line is given. What do the slope and y-int mean?
14. What is the minimum sample size is needed to make sure all conditions are met for constructing a confidence?
15. Know what a type II error is in context with a specific situation.
16. Know things about what the level of significance means.
17. What does a confidence interval tell you about your decision on a hypotheses test?
18. Is enough information given to conduct a hypotheses test, if so what is the answer, if not what is the missing info?
19. Create a confident interval for a specific case.
20. How does changing the sample size change a confidence interval?