Biostatistics

Archive

Lecture 9

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1. When using alpha level of 0.05, the tests considered to be statistically significant if:
a. P= 0.052
b. P= 0.04
c. P= 0.01
d. P= 0.2
e. A and D
f. B and C

Answer: F. B and C

2. When we accept the null hypothesis at a level of significance equals 0.05, this means:
a. P > 0.003
b. P < 0.05
c. P > 0.10
d. P < 0.010
e. P < 0.03

Answer: C. P > 0.10

3. When we accept the null hypothesis at a level of significance equals 0.05. The widest range of possibilities for p value will be when:
a. P > 0.003
b. P < 0.05
c. P > 0.10
d. P > 0.05
e. P < 0.03

Answer: D. P > 0.05

4. For a specific statistical test, the p value was equal to 0.04. If the null hypothesis of that test was accepted, that is because:
a. Alpha was 0.05
b. Alpha was 0.01
c. Both a and b
d. Neither of a or b

Answer: B. Alpha was 0.01

5. Consider having an alpha value of 0.01,the test that is considered statistically insignificant will be when:
a. P= 0.04
b. P= 0.005
c. P= 0.003
d. P= 0.001

Answer: A. P= 0.04

6. When using a confidence level of 0.95, the test is considered statistically significant if:
a. P= 0.21
b. P < 0.04
c. P> 0.05 but < 0.95
d. All of the above

Answer: B. P < 0.04

17. If α= 0.01, the test is considered statistically insignificant when:
a. P= 0.005
b. P= 0.007
c. P= 0.001
d. P= 0.000
e. P= 0.013

Answer: E. P= 0.013

8. Obtaining a sound generalized information about population depending on the evidence of the sample is termed:
a. Presentation of data
b. Descriptive biostatistics
c. Confidence interval
d. Inferential biostatistics
e. Collection of data

Answer: D. Inferential biostatistics

9. If α= 0.001, the test is considered statistically significant when:
a. P= 0.0100 b. P= 0.0002 c. P= 0.1000 d. P= 0.0500 e. P= 0.0040

Answer: B. P= 0.0002

110. When using a confidence level of 0.95, the test is considered statistically significant if:
a. P> 0.05
b. Calculated value fall above the critical region
c. Calculated value fall behind the critical region
d. Calculated value is less than the critical value

Answer: b. Calculated value fall above the critical region