

Answers

Article: Correlates of Alcohol and Tobacco Use

Topic: Inferential Test: Correlation

Practice Items:

1. What is the level of measurement for the dependent variables?

Ordinal

2. The authors used the PPMC for their analyses. Do you concur with their selection? Explain

No. Would have used Kendall's Tau since both x and y are ordinal in every case.

3. To keep the experiment-wise alpha at .05, what alpha should your p value(s) be compared to?

$.05/12 = .004$

4. What is the effect size when examining the relationship between boys' alcohol habits and their Father's use of alcohol.

.34

5. Determine practical significance for each of the statistically significant relationships for tobacco use. Explain what you observe.

Mother uses alcohol: .18

Friends smoke: .27

Friends use alcohol: .18

I observe that statistically significant relationships in each case were of no practical significance