

Answers

Article: Aggression, Gender, and Ethnicity

Topics: Inferential Test: Two-way ANOVA; F test

Practice Items:

1. How many F tests were conducted by the authors?

$$18 * 3 = 54$$

2. What is the level of measurement for the dependent variables? What inferential test would you suggest be used?

Ordinal. Mann Whitney since there are 2 independent groups in each case.

3. To keep the experimentwise alpha at .05, what alpha should each p value be compared to?

$$.05/54 = .0009$$

4. Testing each F statistic at the alpha from #3, how many of the results from the F tests can be considered statistically significant? Explain.

None. Cannot determine without p values.

5. For item 'something thrown at you', determine an effect size for the comparison that was statistically significant. Comment on practical significance.

Effect size cannot be determined since the authors do not provide standard deviations. Practical significance does not seem likely since the means for the men and women are not that far apart.