**Reading Worksheet 3**

Read the Warne (2014) article and then locate an article that uses a multivariate analysis of variance,with at least one nominal predictor, as one of its analyses. Provide a citation for the article and answer the following questions.

Citation:

1. *Identify the research question being investigated in the article*:
   1. What are the predictor variable(s) (IV) and their levels?
   2. What are the outcome variables (DVs)?
   3. Why is MANOVA a better analysis than conducting an ANOVA analysis for each dependent variable?
   4. Which of the four multivariate test statistics were used? Report the *F-*statistic for each.
   5. What type of post hoc tests were used for the analysis? According to the Warne (2014) article, was the post hoc test used in your article best?
   6. What was the effect size for the study? Please interpret.
   7. Provide a brief conclusion for what the authors found for the article you selected. Interpret the hypothesis test results and the size of the effect in your response (e.g., statistical significance vs practical effect).