

- State the main independent variable? How was it manipulated?

HINT: Recall, manipulation operations are designed to change the value a variable (Dixon *et al.* 2016, p. 110)

- What are the main dependent variables? Discuss how they were measured.
- In your own words, state the main research hypothesis and its corresponding null hypothesis under investigation in Sherman *et al.* (1992)?

HINT: Identify the main dependent and main independent variables, respectively, to inform your rough statement of the stylized research and null hypothesis, respectively.

- What type of experiment – laboratory or field – did Sherman et al. (1992) conduct? Among which of the four parts of an experiment (namely, introduction, manipulation of the independent variable, dependent variable measurement, and debriefing/or postexperimental interview) may be missing in the MilDVE?

HINT: Carefully review "Variations in Experimental Context," (Dixon, Singleton, and Straits, 2016, p.182-185 and see figure 7.2, p. 186)

- What are the results? Explain.
- Did Sherman et al. (1992) **explicitly** check to see if the three experimental groups were balanced in terms of measured background variables? Are there any unbalanced background variables (*hint*, look for any tables comparing background variables to treatment as assigned, if any such table exists in the Sherman et al., 1992)?
- Assume that random assignment successfully balanced the three groups in the MilDVE so that the groups look like clones of each other. Also, assume the treatment assigned is exactly the same as the treatment delivered so perfect compliance with the experimental protocol. Now, combine the arrest conditions (Full/Short). Consider the below equation. Is the term zero or nonzero? In words, explain why? What is the counter-factual and explain it in plain English?

HINT: Carefully review chapter 1 in Angrist and Pischke and there are no computations needed (*cf*, pages 15-16)

where

References

Dixon, J. C., Singleton, R. A., & Straits, B. (2016). *The Process of Social Research*. NY: OUP.
Angrist, J. & Pischke, J. (2015) *Mastering 'Metrics*. Princeton University Press.