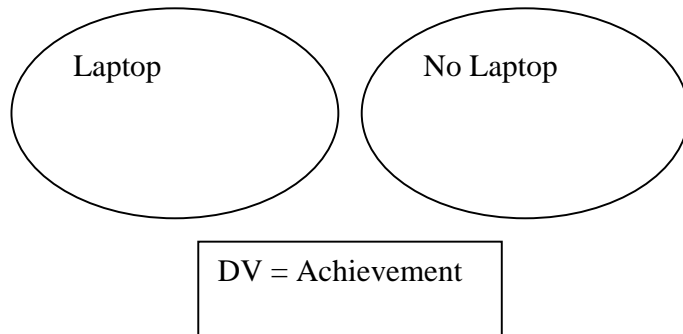


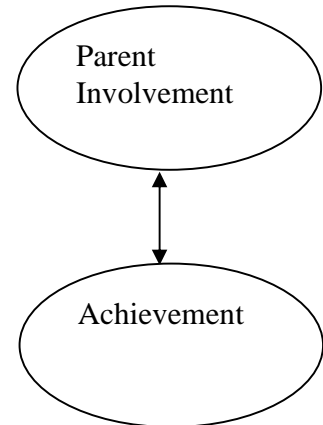
Alternative Explanations in Nonexperimental Research

1. Common Cause

Example 1

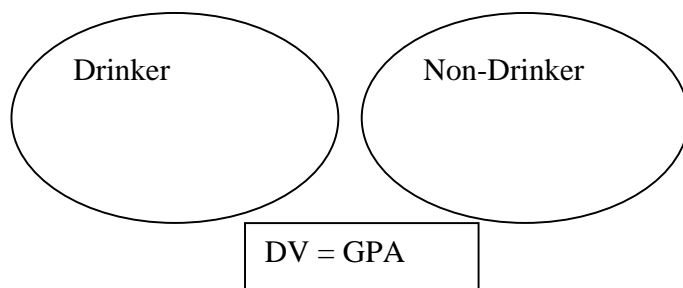


Example 2

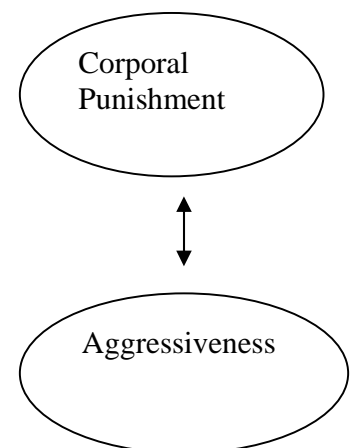


2. Reverse Causality

Example 3



Example 4



Partial Control in Nonexperimental Research

Step 1. Identify plausible rival hypotheses.

Step 2. Matching, Homogeneous Groups, Inclusion of the variable(s) in the study