

### **Mill's Methods: the method of residues, the method of concomitant variations**

[P1] Historically, when the Federal Reserve raises the federal funds rate, bond prices fall.

[P2] Historically, when the Federal Reserve lowers the federal funds rate, bond prices rise.

[C] . . .

The yearly malaria report for Celesteville states that, for the previous year, 80 percent of malaria infections were caused by mosquito bites and 7 percent were caused by blood transfusions that contained the malaria parasite. The report also says that infants contracted malaria from infected mothers before or during birth and there were no other causes of malaria.

[P1] A veterinarian and the dog that he is holding weigh 190 lbs.

[P2] The veterinarian weighs 165 lbs.

[C] Therefore, the dog weighs 25 lbs.

[P1] In Celesteville, for every 1 percent decrease in the unemployment rate, the rate of theft decreased by about 1 percent.

[P2] In Celesteville, for every 1 percent increase in the unemployment rate, the rate of theft increased by about 1 percent.

[C] Therefore, in Celesteville, unemployment is probably a cause or a partial cause of thefts.

Football may be the most attended sport at Ball State, but statistics show that fans do not like to watch a struggling team. From 2008 to 2014, attendance rates at Ball State football games rose and fell along with the amount of success the team had. When the team struggles, fewer people attend games, causing attendance rates at Schuermann Stadium to suffer.

Martha, the bookkeeper at SuperBlue, a department store in Jones City, sighs and looks over her spreadsheet one more time. SuperBlue began the month with inventory worth \$2,300,000, and they received \$500,000 of new inventory during the month. They have sales receipts totaling \$1,290,000 for the month, they disposed of damaged inventory that was once worth \$2,000, and they donated \$8,000 worth of inventory to the Salvation Army. But currently, they have only \$1,490,000 of inventory in stock right now. The conclusion is inescapable. \$10,000 of inventory has been stolen, either by employees or shoplifters.