PS206 Homework #7 (Due Tuesday, May 26th)

Listed under Homework #7 on our class page is a tab-delimited dataset called "ps206hw7.txt." This dataset is the same dataset used for Homework #6, except that it also includes thermometer scores for Bush (btherm), Clinton (ctherm), and Perot (ptherm), which run from 0 for individuals who greatly dislike this candidate to 100 for individuals who greatly like this candidate. There are also files that will allow you to run a conditional logit in either `Stata` or `R` format.

Download these files and do the following three problems.

(1) Run the code for your prefered software package and interpret the results of the resulting conditional logit.

(2) Open the conditional logit code in a text editor, and modify it to do the following:

(a) Use the thermometer scores for the candidates (btherm, ctherm, and ptherm) rather than the issue distances (disbush, disclin, and dispero) as the variable that varies across both candidates and individuals.

(b) Add perfin and natecon as variables that only vary across individuals. Now run the modified code to get the new conditional logit estimates (with thermometer scores as a variable that varies across individuals and alternatives, and perfin and natecon as new variables that only vary across individuals. Interpret these results.

(3) Again open the conditional logit code in a text editor, and modify it to omit the thermometer scores from the estimation of the conditional logit (so that you only have variables that do not vary across candidates). After estimating this conditional logit, estimate a multinomial logit that gives us exactly the same results. Interpret these results.