

Looking at Individual Parameters in a Random Parameters Model

When estimating a random parameters model, you are really estimating a parameter for each observation (or group of observations if you use the PDS command in NLOGIT). The output of statistical packages reports the mean parameter estimate (the mean of all of the individual parameters) and the standard deviation of the parameter estimates over all observations (recall that if the estimate of the standard deviation of the parameters is significantly different from zero, the parameters vary significantly across observations).

However, there may be instances when you want to look at the individual parameter estimate for each observation (if you are forecasting with the model, for example, or want to know exactly how many observations have a parameter above or below a certain threshold). To do this in NLOGIT you do the following:

1. Add the command “**; parameters**” to your normal list of commands.
2. After model estimation, go to the “data” box on the left side of the screen.
3. Under “**Matrices**” in this box double click on “**BETA_I**”. This will generate a pop-up table that has the number of columns equal to the number of random parameters (one column for each random parameter) and the number of rows equal to the number of observations. Each cell of the table gives the value of the parameter for that observation.