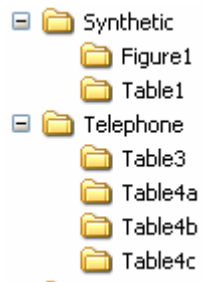Walker JL, Ben-Akiva M, Bolduc D, "Identification of Parameters in Normal Error Component Logit-Mixture (NECLM) Models", *Journal of Applied Econometrics*, forthcoming.

Below are described the datasets and model input/output files in this paper. All files are text format. The estimation runs were performed using Biogeme (http://transp-or.epfl.ch/page63023.html) and Kenneth Train's gauss code (http://elsa.berkeley.edu/Software/abstracts/train1006mxlmsl.html).

The files are contained in a file structure as follows:

```
Synthetic
    Figure1
    Table1
Telephone
    Table3
    Table4a
    Table4b
    Table4c
```

Where each folder contains the following:

Synthetic	(all files with synthetic data, data file *SynthData.dat* in this folder)
Figure 1	(input and output files for Figure 1)
Table 1	(input and output files for Table 1)
Telephone	(all files with telephone dataset, data files *TelephBio.dat* and *TelephTrain.dat* in this folder)
Table 3	(input and output files for Table 3)
Table 4a	(input and output files for Table 4a)
Table 4b	(input and output files for Table 4b)
Table 4c	(input and output files for Table 4c)

Data Files

DataFile	Format	Source	Number of alternatives	Variable Name	Variable Description
SynthData.dat	ASCII tab delimited, 1 observation per row	Synthetic	4000	obs	observation number
				choice	chosen alternative
				x1	explanatory variable for alternative 1, distributed N(0,3)
				x2	explanatory variable for alternative 2, distributed N(0,3)
				x3	explanatory variable for alternative 3, distributed N(0,3)
TelephBio.dat (telephone dataset formatted for Biogeme)	ASCII tab delimited, 1 observation per row	See Train et al. (1987) referenced in paper	434	choice	chosen alternative
				lcost1	log of the cost of alternative 1
				lcost2	log of the cost of alternative 2
				lcost3	log of the cost of alternative 3
				lcost4	log of the cost of alternative 4
				lcost5	log of the cost of alternative 5
				av1	equal to 1 if alternative 1 is available, 0 otherwise
				av2	equal to 1 if alternative 2 is available, 0 otherwise
				av3	equal to 1 if alternative 3 is available, 0 otherwise
				av4	equal to 1 if alternative 4 is available, 0 otherwise
				av5	equal to 1 if alternative 5 is available, 0 otherwise
TelephTrain.dat (telephone dataset formatted for gauss)	ASCII tab delimited, 1 observation per row	See Train et al. (1987) referenced in paper	434	choice1	equal to 1 if alternative 1 is chosen, 0 otherwise
				choice2	equal to 1 if alternative 2 is chosen, 0 otherwise
				choice3	equal to 1 if alternative 3 is chosen, 0 otherwise
				choice4	equal to 1 if alternative 4 is chosen, 0 otherwise
				choice5	equal to 1 if alternative 5 is chosen, 0 otherwise
				lcost1	log of the cost of alternative 1
				lcost2	log of the cost of alternative 2
				lcost3	log of the cost of alternative 3
				lcost4	log of the cost of alternative 4
				lcost5	log of the cost of alternative 5
				av1	equal to 1 if alternative 1 is available, 0 otherwise
				av2	equal to 1 if alternative 2 is available, 0 otherwise
				av3	equal to 1 if alternative 3 is available, 0 otherwise
				av4	equal to 1 if alternative 4 is available, 0 otherwise
				av5	equal to 1 if alternative 5 is available, 0 otherwise
				remaining columns	alternative specific constants (columns are in sets of 5 and each column is either all 1 or all 0)

Model input and output files

	Estimation Program	Data File	Model File	Results File	Settings File
Figure 1	biogeme	SynthData.dat	sigQ_RR.mod, where Q represents the sigma number and RR represents the value to which sigma is set	ModelFile name with html extension	default.par
Table 1	biogeme	SynthData.dat	s#_1000h.mod, where # represents the model number in Table 1	ModelFile name with html extension	default.par
Table 3	biogeme	TelephBio.dat	teleph_3#.mod, where # is the model number in Table 3	ModelFile name with html extension	default.par
Table 4a	biogeme	TelephBio.dat	teleph_4#.mod, where # is the model number in Table 4a	ModelFile name with html extension	default.par
Table 4b-1 4b-2	biogeme	TelephBio.dat	teleph_4b#.mod, where # is the model number in Table 4b	ModelFile name with html extension	default.par
Table 4b-3	gauss (Train)	TelephTrain.dat	teleph_4b3.g	teleph_4b3.out	N/A
Table 4c	biogeme	TelephBio.dat	teleph_4c#.mod, where # is the model number in Table 4c	ModelFile name with html extension	default.par

Model files follow the convention of the estimation programs Biogeme (http://transp-or.epfl.ch/page63023.html) and Kenneth Train's gauss code (http://elsa.berkeley.edu/Software/abstracts/train1006mxlmsl.html).