|-> RESET

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| NLOGIT 5 (tm) Nov 16, 2016, 03:43:39PM |

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| Plainview, New York 11803 |

| Registered to Joanna Karavolias |

| University of Florida |

| Registration Number 1206-0012703-LSL |

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-------Initializing NLOGIT Version 5 (May 1, 2012)--------

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|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\US\US\_Monsanto.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name Q11\_10\_6 was in use. Replaced with X123

Error 535: Warning: Name LOCATION was in use. Replaced with X125

Error 535: Warning: Name LOCATION was in use. Replaced with X126

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 25 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3481.064

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Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3481.06426

Estimation based on N = 3665, K = 6

Inf.Cr.AIC = 6974.1 AIC/N = 1.903

Model estimated: Nov 16, 2016, 15:44:08

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -4009.0062 .1317 .1304

Response data are given as ind. choices

Number of obs.= 3690, skipped 25 obs

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| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -1.90438\*\*\* .08818 -21.60 .0000 -2.07721 -1.73155

FAM| -.71900\*\*\* .06815 -10.55 .0000 -.85258 -.58543

PUB| -1.11083\*\*\* .07103 -15.64 .0000 -1.25004 -.97162

SEED| .51833\*\*\* .05436 9.54 .0000 .41179 .62487

P| -2.23868\*\*\* .10230 -21.88 .0000 -2.43918 -2.03818

A| -4.56396\*\*\* .19807 -23.04 .0000 -4.95216 -4.17575

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Line search at iteration 61 does not improve fn. Exiting optimization.

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3480.18089

Restricted log likelihood -4026.41404

Chi squared [ 11 d.f.] 1092.46629

Significance level .00000

McFadden Pseudo R-squared .1356624

Estimation based on N = 3665, K = 11

Inf.Cr.AIC = 6982.4 AIC/N = 1.905

Model estimated: Nov 16, 2016, 15:49:41

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -4026.4140 .1357 .1344

Constants only -4009.0062 .1319 .1306

At start values -7509.3567 .5366 .5359

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 25 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| .85395\*\*\* .04726 18.07 .0000 .76132 .94659

FAM| .32707\*\*\* .03669 8.92 .0000 .25516 .39897

PUB| .49740\*\*\* .03777 13.17 .0000 .42336 .57143

SEED| -.22495\*\*\* .02534 -8.88 .0000 -.27461 -.17529

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.65624\*\*\* .25512 -18.25 .0000 -5.15625 -4.15622

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .06460 .28759 .22 .8223 -.49907 .62827

NsFAM| .12529 .17525 .71 .4747 -.21820 .46877

NsPUB| .00973 .23752 .04 .9673 -.45581 .47527

NsSEED| .08156 .08605 .95 .3432 -.08710 .25022

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| 0.0 .1942D+10 .00 1.0000 -.38065D+10 .38065D+10

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -.28412 .1237D+21 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .12444 .7185D+10 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

--------+--------------------------------------------------------------------

Note: nnnnn.D-xx or D+xx => multiply by 10 to -xx or +xx.

Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\US\US\_emotional.csv"$

Last observation read from data file was 11502

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name Q11\_10\_6 was in use. Replaced with X123

Error 535: Warning: Name LOCATION was in use. Replaced with X125

Error 535: Warning: Name LOCATION was in use. Replaced with X126

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 150 bad observations among 3834 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3460.682

-----------------------------------------------------------------------------

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3460.68207

Estimation based on N = 3684, K = 6

Inf.Cr.AIC = 6933.4 AIC/N = 1.882

Model estimated: Nov 16, 2016, 15:50:02

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -4013.7778 .1378 .1365

Response data are given as ind. choices

Number of obs.= 3834, skipped 150 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -2.00510\*\*\* .08813 -22.75 .0000 -2.17783 -1.83236

FAM| -.75293\*\*\* .06751 -11.15 .0000 -.88524 -.62062

PUB| -1.26522\*\*\* .07147 -17.70 .0000 -1.40529 -1.12515

SEED| .47027\*\*\* .05348 8.79 .0000 .36546 .57508

P| -2.15105\*\*\* .10097 -21.30 .0000 -2.34895 -1.95315

A| -4.62299\*\*\* .19895 -23.24 .0000 -5.01292 -4.23306

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

-----------------------------------------------------------------------------

Line search at iteration 1 does not improve fn. Exiting optimization.

With < 4 iterations, this may not be a good solution to the

optimization. (The log-likelihood is flat.) Try refitting

with ;Output=3 and examining the derivatives.

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3992.72946

Restricted log likelihood -4047.28767

Chi squared [ 11 d.f.] 109.11641

Significance level .00000

McFadden Pseudo R-squared .0134802

Estimation based on N = 3684, K = 11

Inf.Cr.AIC = 8007.5 AIC/N = 2.174

Model estimated: Nov 16, 2016, 15:51:42

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -4047.2877 .0135 .0120

Constants only -4013.7778 .0052 .0038

At start values -7813.8538 .4890 .4883

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3834, skipped 150 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| .97793 .69652 1.40 .1603 -.38723 2.34308

FAM| .15400 .26791 .57 .5654 -.37109 .67909

PUB| .52514\* .31838 1.65 .0991 -.09887 1.14915

SEED| -1.14686\*\*\* .16399 -6.99 .0000 -1.46828 -.82544

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -.20574\*\* .09944 -2.07 .0385 -.40063 -.01084

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| 4.60658 3.20664 1.44 .1508 -1.67832 10.89148

NsFAM| .00076 .23881 .00 .9975 -.46730 .46882

NsPUB| .00458 .70851 .01 .9948 -1.38407 1.39323

NsSEED| .02233 .10930 .20 .8381 -.19189 .23656

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| 11.8976\*\* 5.04634 2.36 .0184 2.0070 21.7883

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -.00142 2.28008 .00 .9995 -4.47029 4.46744

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .00073 .33816 .00 .9983 -.66206 .66352

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\US\US\_simple.csv"$

Last observation read from data file was 11313

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name Q11\_10\_6 was in use. Replaced with X123

Error 535: Warning: Name LOCATION was in use. Replaced with X125

Error 535: Warning: Name LOCATION was in use. Replaced with X126

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 81 bad observations among 3771 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3447.623

-----------------------------------------------------------------------------

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3447.62295

Estimation based on N = 3690, K = 6

Inf.Cr.AIC = 6907.2 AIC/N = 1.872

Model estimated: Nov 16, 2016, 15:52:02

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -4022.9585 .1430 .1417

Response data are given as ind. choices

Number of obs.= 3771, skipped 81 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -1.94686\*\*\* .08882 -21.92 .0000 -2.12094 -1.77279

FAM| -.70940\*\*\* .06876 -10.32 .0000 -.84417 -.57463

PUB| -1.23511\*\*\* .07204 -17.15 .0000 -1.37629 -1.09392

SEED| .58508\*\*\* .05519 10.60 .0000 .47691 .69325

P| -2.39482\*\*\* .10377 -23.08 .0000 -2.59821 -2.19143

A| -4.83343\*\*\* .20040 -24.12 .0000 -5.22621 -4.44065

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Line search at iteration 67 does not improve fn. Exiting optimization.

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Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3447.24113

Restricted log likelihood -4053.87935

Chi squared [ 11 d.f.] 1213.27644

Significance level .00000

McFadden Pseudo R-squared .1496439

Estimation based on N = 3690, K = 11

Inf.Cr.AIC = 6916.5 AIC/N = 1.874

Model estimated: Nov 16, 2016, 15:58:14

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -4053.8793 .1496 .1484

Constants only -4022.9585 .1431 .1418

At start values -7576.9439 .5450 .5444

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3771, skipped 81 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| .81789\*\*\* .04555 17.95 .0000 .72861 .90717

FAM| .29758\*\*\* .03356 8.87 .0000 .23180 .36337

PUB| .51491\*\*\* .03654 14.09 .0000 .44328 .58653

SEED| -.24247\*\*\* .02208 -10.98 .0000 -.28576 -.19919

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.88643\*\*\* .24233 -20.16 .0000 -5.36138 -4.41147

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .10698 .25846 .41 .6789 -.39960 .61356

NsFAM| .09644 .16977 .57 .5700 -.23630 .42918

NsPUB| .02948 .22814 .13 .8972 -.41766 .47662

NsSEED| .04342 .08294 .52 .6006 -.11913 .20597

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| 0.0 .2190D+12 .00 1.0000 -.42916D+12 .42916D+12

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -.23314 .1365D+25 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .09437 .5325D+12 .00 1.0000 \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*

--------+--------------------------------------------------------------------

Note: nnnnn.D-xx or D+xx => multiply by 10 to -xx or +xx.

Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\US\US\_benefit.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name Q11\_10\_6 was in use. Replaced with X123

Error 535: Warning: Name LOCATION was in use. Replaced with X125

Error 535: Warning: Name LOCATION was in use. Replaced with X126

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 80 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3454.176

-----------------------------------------------------------------------------

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3454.17634

Estimation based on N = 3610, K = 6

Inf.Cr.AIC = 6920.4 AIC/N = 1.917

Model estimated: Nov 16, 2016, 15:58:34

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3956.5194 .1270 .1256

Response data are given as ind. choices

Number of obs.= 3690, skipped 80 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -1.92337\*\*\* .08897 -21.62 .0000 -2.09775 -1.74899

FAM| -.81555\*\*\* .06854 -11.90 .0000 -.94988 -.68121

PUB| -1.27521\*\*\* .07340 -17.37 .0000 -1.41907 -1.13135

SEED| .49049\*\*\* .05557 8.83 .0000 .38158 .59941

P| -2.07043\*\*\* .10291 -20.12 .0000 -2.27213 -1.86874

A| -4.14529\*\*\* .19955 -20.77 .0000 -4.53641 -3.75418

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

-----------------------------------------------------------------------------

Line search at iteration 49 does not improve fn. Exiting optimization.

-----------------------------------------------------------------------------

Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3450.53774

Restricted log likelihood -3965.99036

Chi squared [ 11 d.f.] 1030.90524

Significance level .00000

McFadden Pseudo R-squared .1299682

Estimation based on N = 3610, K = 11

Inf.Cr.AIC = 6923.1 AIC/N = 1.918

Model estimated: Nov 16, 2016, 16:03:21

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3965.9904 .1300 .1286

Constants only -3956.5194 .1279 .1266

At start values -7008.0433 .5076 .5069

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 80 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| .89539\*\*\* .05077 17.64 .0000 .79588 .99490

FAM| .43573\*\*\* .04634 9.40 .0000 .34491 .52656

PUB| .58902\*\*\* .04301 13.69 .0000 .50472 .67332

SEED| -.21063\*\*\* .02822 -7.46 .0000 -.26595 -.15531

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.66375\*\*\* .34059 -13.69 .0000 -5.33130 -3.99620

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .06242 .29756 .21 .8338 -.52078 .64563

NsFAM| .45545\*\*\* .10608 4.29 .0000 .24753 .66336

NsPUB| .02043 .24325 .08 .9331 -.45632 .49719

NsSEED| .08711 .08204 1.06 .2883 -.07368 .24791

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| .00228 .96925 .00 .9981 -1.89741 1.90197

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -1.04360 23.99471 -.04 .9653 -48.07236 45.98516

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .44558 1.85712 .24 .8104 -3.19430 4.08547

--------+--------------------------------------------------------------------

Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

-----------------------------------------------------------------------------

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\US\US\_control.csv"$

Last observation read from data file was 11070

Error 535: Warning: Name Q7\_1\_VIT was in use. Replaced with X89

Error 535: Warning: Name Q11\_10\_6 was in use. Replaced with X123

Error 535: Warning: Name LOCATION was in use. Replaced with X125

Error 535: Warning: Name LOCATION was in use. Replaced with X126

|-> create; CDProd = total\_CD \* producer$

|-> create; CDPrice = total\_CD \* price$

|-> create; TechPri= total\_te \* price$

|-> create; NepPri= total\_ne \* price$

|-> create; monsanto=producer=1$

|-> create; sfc=producer=2$

|-> create; public=producer=3$

|-> GMXLOGIT; Lhs = choice; Choices =A, B, C;

Model: U(A, B)=P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

Fcn =mon(n), fam(n), pub(n), seed(n), P(\*L) $;

+------------------------------------------------------+

|WARNING: Bad observations were found in the sample. |

|Found 78 bad observations among 3690 individuals. |

|You can use ;CheckData to get a list of these points. |

+------------------------------------------------------+

Normal exit: 5 iterations. Status=0, F= 3396.438

-----------------------------------------------------------------------------

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3396.43784

Estimation based on N = 3612, K = 6

Inf.Cr.AIC = 6804.9 AIC/N = 1.884

Model estimated: Nov 16, 2016, 16:03:42

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

Constants only -3947.4346 .1396 .1383

Response data are given as ind. choices

Number of obs.= 3690, skipped 78 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

MON| -2.14529\*\*\* .09020 -23.78 .0000 -2.32208 -1.96850

FAM| -1.02614\*\*\* .06854 -14.97 .0000 -1.16046 -.89181

PUB| -1.58310\*\*\* .07566 -20.92 .0000 -1.73139 -1.43481

SEED| .43662\*\*\* .05560 7.85 .0000 .32765 .54558

P| -1.86320\*\*\* .10196 -18.27 .0000 -2.06305 -1.66336

A| -3.99062\*\*\* .20238 -19.72 .0000 -4.38728 -3.59396

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

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Line search at iteration 55 does not improve fn. Exiting optimization.

-----------------------------------------------------------------------------

Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -3395.58406

Restricted log likelihood -3968.18759

Chi squared [ 11 d.f.] 1145.20705

Significance level .00000

McFadden Pseudo R-squared .1442985

Estimation based on N = 3612, K = 11

Inf.Cr.AIC = 6813.2 AIC/N = 1.886

Model estimated: Nov 16, 2016, 16:08:33

R2=1-LogL/LogL\* Log-L fncn R-sqrd R2Adj

No coefficients -3968.1876 .1443 .1430

Constants only -3947.4346 .1398 .1385

At start values -7112.1435 .5226 .5218

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 78 obs

--------+--------------------------------------------------------------------

| Standard Prob. 95% Confidence

CHOICE| Coefficient Error z |z|>Z\* Interval

--------+--------------------------------------------------------------------

|Random parameters in utility functions

MON| 1.15418\*\*\* .07578 15.23 .0000 1.00566 1.30270

FAM| .56607\*\*\* .05283 10.72 .0000 .46253 .66961

PUB| .84358\*\*\* .06166 13.68 .0000 .72272 .96444

SEED| -.21683\*\*\* .03345 -6.48 .0000 -.28239 -.15126

P| 1.0 .....(Fixed Parameter).....

|Nonrandom parameters in utility functions

A| -4.20436\*\*\* .31051 -13.54 .0000 -4.81296 -3.59576

|Distns. of RPs. Std.Devs or limits of triangular

NsMON| .12695 .33942 .37 .7084 -.53829 .79220

NsFAM| .25848 .18458 1.40 .1614 -.10329 .62026

NsPUB| .02436 .30529 .08 .9364 -.57401 .62272

NsSEED| .13707 .08819 1.55 .1201 -.03578 .30992

CsP| 0.0 .....(Fixed Parameter).....

|Variance parameter tau in GMX scale parameter

TauScale| .00102 .62646 .00 .9987 -1.22683 1.22886

|Weighting parameter gamma in GMX model

GammaMXL| 0.0 .....(Fixed Parameter).....

|Coefficient on P in preference space form

Beta0WTP| -.49985 4.05271 -.12 .9018 -8.44301 7.44332

S\_b0\_WTP| 0.0 .....(Fixed Parameter).....

| Sample Mean Sample Std.Dev.

Sigma(i)| .25302 .74753 .34 .7350 -1.21211 1.71815

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Note: \*\*\*, \*\*, \* ==> Significance at 1%, 5%, 10% level.

Fixed parameter ... is constrained to equal the value or

had a nonpositive st.error because of an earlier problem.

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