Spain Results

|-> RESET

O---------------------------------------------------------O

| NLOGIT 5 (tm) Feb 28, 2017, 11:20:14PM |

| Econometric Software, Inc. Copyright 1986-2012 |

| Plainview, New York 11803 |

| Registered to Joanna Karavolias |

| University of Florida |

| Registration Number 1206-0012703-LSL |

O---------------------------------------------------------O

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

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

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_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 LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> 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$

|-> create; price1=-price$

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

Model: U(A, B)=P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

pds=9; parameter;

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

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

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

|Found 63 bad observations among 3690 individuals. |

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

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

Normal exit: 5 iterations. Status=0, F= 3560.473

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

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3560.47328

Estimation based on N = 3627, K = 6

Inf.Cr.AIC = 7132.9 AIC/N = 1.967

Model estimated: Feb 28, 2017, 23:20:41

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

Constants only -3933.6760 .0949 .0935

Response data are given as ind. choices

Number of obs.= 3690, skipped 63 obs

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

| Standard Prob. 95% Confidence

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

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

MON| -1.60760\*\*\* .08343 -19.27 .0000 -1.77112 -1.44407

FAM| -.32965\*\*\* .06255 -5.27 .0000 -.45225 -.20705

PUB| -.93843\*\*\* .06942 -13.52 .0000 -1.07450 -.80236

SEED| .17254\*\*\* .04885 3.53 .0004 .07679 .26829

P| 1.52113\*\*\* .09400 16.18 .0000 1.33690 1.70536

A| -3.68011\*\*\* .18577 -19.81 .0000 -4.04421 -3.31602

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

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

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

Line search at iteration 35 does not improve fn. Exiting optimization.

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

Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -2842.22414

Restricted log likelihood -3984.66677

Chi squared [ 11 d.f.] 2284.88526

Significance level .00000

McFadden Pseudo R-squared .2867097

Estimation based on N = 3627, K = 11

Inf.Cr.AIC = 5706.4 AIC/N = 1.573

Model estimated: Feb 28, 2017, 23:36:33

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

No coefficients -3984.6668 .2867 .2856

Constants only -3933.6760 .2775 .2764

At start values -4143.9354 .3141 .3131

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

RPL model with panel has 410 groups

Fixed number of obsrvs./group= 9

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 63 obs

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

| Standard Prob. 95% Confidence

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

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

|Random parameters in utility functions

MON| 21.4365\*\*\* 3.73495 5.74 .0000 14.1161 28.7569

FAM| 11.0897\*\*\* 1.66473 6.66 .0000 7.8269 14.3525

PUB| 10.0553\*\*\* 1.52468 6.60 .0000 7.0670 13.0436

SEED| 2.23543\*\*\* .15476 14.44 .0000 1.93211 2.53876

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

|Nonrandom parameters in utility functions

A| -2.49663\*\*\* .07641 -32.67 .0000 -2.64639 -2.34687

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

NsMON| 6.99221\*\*\* 1.35829 5.15 .0000 4.33001 9.65442

NsFAM| 13.4774\*\*\* 2.18539 6.17 .0000 9.1941 17.7607

NsPUB| 1.43376 1.43523 1.00 .3178 -1.37923 4.24675

NsSEED| 2.00278\*\*\* .29255 6.85 .0000 1.42940 2.57616

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

|Variance parameter tau in GMX scale parameter

TauScale| 19.5310\*\*\* 6.19553 3.15 .0016 7.3880 31.6740

|Weighting parameter gamma in GMX model

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

|Coefficient on P in preference space form

Beta0WTP| -62.2401\*\*\* 6.84572 -9.09 .0000 -75.6575 -48.8227

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

| Sample Mean Sample Std.Dev.

Sigma(i)| 14.9050\*\*\* .58703 25.39 .0000 13.7544 16.0555

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

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.

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

|-> histogram; rhs=logl\_obs;

title = Spain Monsanto $

|-> dstat; rhs=logl\_obs$

Descriptive Statistics for 1 variables

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

Variable| Mean Std.Dev. Minimum Maximum Cases Missing

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

LOGL\_OBS| -.556457 .866008 -5.865937 0.0 10902 168

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

DSTAT results are matrix LASTDSTA in current project.

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_emotional.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 LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> 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$

|-> create; price1=-price$

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

Model: U(A, B)=P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

pds=9; parameter;

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

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

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

|Found 81 bad observations among 3690 individuals. |

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

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

Normal exit: 5 iterations. Status=0, F= 3417.815

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

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3417.81532

Estimation based on N = 3609, K = 6

Inf.Cr.AIC = 6847.6 AIC/N = 1.897

Model estimated: Feb 28, 2017, 23:36:52

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

Constants only -3918.8576 .1279 .1265

Response data are given as ind. choices

Number of obs.= 3690, skipped 81 obs

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

| Standard Prob. 95% Confidence

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

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

MON| -2.04427\*\*\* .08590 -23.80 .0000 -2.21263 -1.87592

FAM| -.89012\*\*\* .06592 -13.50 .0000 -1.01932 -.76092

PUB| -1.39036\*\*\* .07196 -19.32 .0000 -1.53139 -1.24933

SEED| .17350\*\*\* .05051 3.43 .0006 .07450 .27250

P| 1.51286\*\*\* .09653 15.67 .0000 1.32366 1.70206

A| -4.00492\*\*\* .19721 -20.31 .0000 -4.39145 -3.61839

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

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

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

Initial iterations cannot improve function.Status=3

Error 805: Initial iterations cannot improve function.Status=3

Function= .42305863431D+04, at entry, .40783331729D+04 at exit

Error 1025: Failed to fit model. See earlier diagnostic.

|-> histogram; rhs=logl\_obs ;

title=Spain Emotional $

|-> dstat; rhs=logl\_obs$

Descriptive Statistics for 1 variables

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

Variable| Mean Std.Dev. Minimum Maximum Cases Missing

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

LOGL\_OBS| -.665245 1.098147 -4.204890 0.0 10854 216

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

DSTAT results are matrix LASTDSTA in current project.

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_simple.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 LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> 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$

|-> create; price1=-price$

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

Model: U(A, B)=P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

pds=9; parameter;

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

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

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

|Found 81 bad observations among 3690 individuals. |

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

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

Normal exit: 5 iterations. Status=0, F= 3433.379

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

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3433.37897

Estimation based on N = 3609, K = 6

Inf.Cr.AIC = 6878.8 AIC/N = 1.906

Model estimated: Feb 28, 2017, 23:38:33

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

Constants only -3913.5139 .1227 .1213

Response data are given as ind. choices

Number of obs.= 3690, skipped 81 obs

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

| Standard Prob. 95% Confidence

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

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

MON| -1.93791\*\*\* .08431 -22.99 .0000 -2.10315 -1.77267

FAM| -.81828\*\*\* .06507 -12.58 .0000 -.94581 -.69075

PUB| -1.40818\*\*\* .07225 -19.49 .0000 -1.54978 -1.26658

SEED| .06011 .04963 1.21 .2258 -.03715 .15737

P| 1.41585\*\*\* .09548 14.83 .0000 1.22871 1.60299

A| -3.95892\*\*\* .19647 -20.15 .0000 -4.34399 -3.57384

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

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

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

Line search at iteration 34 does not improve fn. Exiting optimization.

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

Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -2638.76233

Restricted log likelihood -3964.89175

Chi squared [ 11 d.f.] 2652.25885

Significance level .00000

McFadden Pseudo R-squared .3344680

Estimation based on N = 3609, K = 11

Inf.Cr.AIC = 5299.5 AIC/N = 1.468

Model estimated: Feb 28, 2017, 23:55:30

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

No coefficients -3964.8917 .3345 .3335

Constants only -3913.5139 .3257 .3247

At start values -4234.1228 .3768 .3758

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

RPL model with panel has 410 groups

Fixed number of obsrvs./group= 9

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 81 obs

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

| Standard Prob. 95% Confidence

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

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

|Random parameters in utility functions

MON| 25.9399\*\*\* 4.67699 5.55 .0000 16.7731 35.1066

FAM| 9.23657\*\*\* 1.49873 6.16 .0000 6.29912 12.17402

PUB| 15.7506\*\*\* 2.58487 6.09 .0000 10.6844 20.8169

SEED| 1.88759\*\*\* .14368 13.14 .0000 1.60599 2.16920

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

|Nonrandom parameters in utility functions

A| -3.15584\*\*\* .11124 -28.37 .0000 -3.37387 -2.93780

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

NsMON| 8.58519\*\*\* 2.40496 3.57 .0004 3.87155 13.29883

NsFAM| 8.89151\*\*\* 1.47062 6.05 .0000 6.00914 11.77388

NsPUB| 6.17109\*\*\* 1.14839 5.37 .0000 3.92029 8.42189

NsSEED| 5.36238\*\*\* .83288 6.44 .0000 3.72996 6.99479

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

|Variance parameter tau in GMX scale parameter

TauScale| 19.3232\*\*\* 4.88404 3.96 .0001 9.7506 28.8957

|Weighting parameter gamma in GMX model

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

|Coefficient on P in preference space form

Beta0WTP| -12.7985 14.80793 -.86 .3874 -41.8215 16.2245

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

| Sample Mean Sample Std.Dev.

Sigma(i)| 8.90186\*\*\* .16780 53.05 .0000 8.57298 9.23074

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

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.

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

|-> histogram; rhs=logl\_obs ;

title=Spain simple $

|-> dstat; rhs=logl\_obs$

Descriptive Statistics for 1 variables

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

Variable| Mean Std.Dev. Minimum Maximum Cases Missing

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

LOGL\_OBS| -.533864 .827512 -5.986443 0.0 10854 216

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

DSTAT results are matrix LASTDSTA in current project.

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_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 LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> 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$

|-> create; price1=-price$

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

Model: U(A, B)=P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

pds=9; parameter;

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

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

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

|Found 108 bad observations among 3690 individuals. |

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

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

Normal exit: 5 iterations. Status=0, F= 3420.944

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

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3420.94398

Estimation based on N = 3582, K = 6

Inf.Cr.AIC = 6853.9 AIC/N = 1.913

Model estimated: Feb 28, 2017, 23:55:49

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

Constants only -3924.1502 .1282 .1269

Response data are given as ind. choices

Number of obs.= 3690, skipped 108 obs

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

| Standard Prob. 95% Confidence

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

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

MON| -2.04439\*\*\* .08638 -23.67 .0000 -2.21369 -1.87508

FAM| -1.09732\*\*\* .06775 -16.20 .0000 -1.23010 -.96454

PUB| -1.47911\*\*\* .07352 -20.12 .0000 -1.62321 -1.33502

SEED| .21262\*\*\* .05230 4.07 .0000 .11012 .31513

P| 1.52691\*\*\* .09792 15.59 .0000 1.33499 1.71883

A| -3.82802\*\*\* .20073 -19.07 .0000 -4.22145 -3.43459

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

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

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

Line search at iteration 27 does not improve fn. Exiting optimization.

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

Generalized Mixed (RP) Logit Model

Dependent variable CHOICE

Log likelihood function -2564.98359

Restricted log likelihood -3935.22922

Chi squared [ 11 d.f.] 2740.49125

Significance level .00000

McFadden Pseudo R-squared .3481997

Estimation based on N = 3582, K = 11

Inf.Cr.AIC = 5152.0 AIC/N = 1.438

Model estimated: Mar 01, 2017, 00:07:49

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

No coefficients -3935.2292 .3482 .3472

Constants only -3924.1502 .3464 .3454

At start values -4271.3273 .3995 .3986

Response data are given as ind. choices

Replications for simulated probs. = 100

Used pseudo random draws (Mersenne twister)

RPL model with panel has 410 groups

Fixed number of obsrvs./group= 9

BHHH estimator used for asymp. variance

Number of obs.= 3690, skipped 108 obs

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

| Standard Prob. 95% Confidence

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

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

|Random parameters in utility functions

MON| 53.0295\*\*\* 15.52311 3.42 .0006 22.6048 83.4542

FAM| 20.9056\*\*\* 5.43418 3.85 .0001 10.2548 31.5564

PUB| 31.3709\*\*\* 8.91629 3.52 .0004 13.8953 48.8465

SEED| 1.23119\*\*\* .29843 4.13 .0000 .64628 1.81609

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

|Nonrandom parameters in utility functions

A| -2.48357\*\*\* .09026 -27.52 .0000 -2.66047 -2.30667

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

NsMON| 20.7906\*\*\* 7.07505 2.94 .0033 6.9237 34.6574

NsFAM| 8.36292\*\*\* 2.30644 3.63 .0003 3.84238 12.88346

NsPUB| 17.2262\*\*\* 5.66907 3.04 .0024 6.1151 28.3374

NsSEED| 3.58271\*\*\* .92819 3.86 .0001 1.76350 5.40192

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

|Variance parameter tau in GMX scale parameter

TauScale| 50.6237\*\*\* 5.82721 8.69 .0000 39.2026 62.0448

|Weighting parameter gamma in GMX model

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

|Coefficient on P in preference space form

Beta0WTP| -9.11195\*\*\* 1.87209 -4.87 .0000 -12.78117 -5.44272

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

| Sample Mean Sample Std.Dev.

Sigma(i)| 8.53435\*\*\* .13949 61.18 .0000 8.26096 8.80774

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

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.

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

|-> histogram; rhs=logl\_obs ;

title=Spain benefit $

|-> dstat; rhs=logl\_obs$

Descriptive Statistics for 1 variables

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

Variable| Mean Std.Dev. Minimum Maximum Cases Missing

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

LOGL\_OBS| -.528842 .829314 -5.887489 0.0 10782 288

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

DSTAT results are matrix LASTDSTA in current project.

|-> reset$

|-> import; file="E:\GM Project copy\Choice Experiment\spain\spain\_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 LOCATION was in use. Replaced with X116

Error 535: Warning: Name LOCATION was in use. Replaced with X117

|-> 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$

|-> create; price1=-price$

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

Model: U(A, B)=P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds/

U(C)=a+P\*Price1+Mon\*monsanto+Fam\*sfc+pub\*public+seed\*seeds;

pds=9; parameter;

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

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

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

|Found 63 bad observations among 3690 individuals. |

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

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

Normal exit: 5 iterations. Status=0, F= 3449.066

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

Start values obtained using MNL model

Dependent variable Choice

Log likelihood function -3449.06606

Estimation based on N = 3627, K = 6

Inf.Cr.AIC = 6910.1 AIC/N = 1.905

Model estimated: Mar 01, 2017, 00:08:08

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

Constants only -3976.0154 .1325 .1312

Response data are given as ind. choices

Number of obs.= 3690, skipped 63 obs

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

| Standard Prob. 95% Confidence

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

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

MON| -2.13942\*\*\* .08849 -24.18 .0000 -2.31285 -1.96598

FAM| -1.04989\*\*\* .06687 -15.70 .0000 -1.18095 -.91883

PUB| -1.55427\*\*\* .07417 -20.96 .0000 -1.69964 -1.40890

SEED| .16830\*\*\* .05284 3.19 .0014 .06473 .27187

P| 1.49220\*\*\* .09860 15.13 .0000 1.29895 1.68546

A| -3.74156\*\*\* .20041 -18.67 .0000 -4.13435 -3.34877

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

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

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

Initial iterations cannot improve function.Status=3

Error 805: Initial iterations cannot improve function.Status=3

Function= .43497757320D+04, at entry, .41273982691D+04 at exit

Error 1025: Failed to fit model. See earlier diagnostic.

|-> histogram; rhs=logl\_obs ;

title=Spain control $

|-> dstat; rhs=logl\_obs$

Descriptive Statistics for 1 variables

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

Variable| Mean Std.Dev. Minimum Maximum Cases Missing

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

LOGL\_OBS| -.668124 1.101916 -4.239440 0.0 10902 168

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

DSTAT results are matrix LASTDSTA in current project.