

```

*****
*Example SPSS syntax-file to Create Dataset
*for Meta-Regression Robust Standard Error Calculations
*in R using the robust.se() function
*
*Example 1: Handling Dependencies Due to Multiple
* ESs within a Study
*
*Lipsey, Hedges, Tipton, & Tanner-Smith Workshop
*October, 20th, 2010
*Joint Cochrane-Campbell Colloquium
*Keystone, CO
*****.

**** All Users Must Specify their Working Directory in the File Handle Below ****.
CD "F:\Cochrane-C2 10".
GET
    FILE='crExampleData.sav'.

DESCRIPTIVES VARIABLES=all.

```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Effect Size ID	438	1	5543	2712.54	1447.721
Intercept	438	1	1	1.00	.000
Average variance of ES within Study	438	.009	.223	.06366	.045187
1/k*meanvar	438	.25	50.36	4.7144	6.29036
Standardized mean difference ES	438	-3.88	1.63	.1090	.47763
Variance of ES	438	.008	.368	.06400	.048805
sqrt(vareffsize)	438	.089	.607	.23687	.088917
Alcohol Outcome	438	0	1	.40	.490
Outcome Timeframe in Days	438	7	549	108.01	118.352
Self-reported Outcome	438	0	1	.80	.403
Percent Male in Tx Group	438	.00	100.00	66.3548	17.81208
Average Age in Tx Group	438	14.00	20.00	16.8813	1.62396
Study ID	438	1	109	60.31	29.699
Number of ESs per Study	438	1	14	6.06	3.391
Valid N (listwise)	438				

Dataset Name

[DataSet1]

```
***** Step 1: Create study-mean and study-mean-centered variables for all variables that vary w
DEFINE group_cvars( group = !charend('/')
                    /vlist   = !charend('/')
                    /suffix1 = !charend('/')
                    /suffix2 = !cmdend )

!do !vname !in (!vlist)
!let !mname = !concat(!suffix1, !vname)
!let !cname = !concat(!suffix2, !vname)

aggregate
/outfile=* mode=addvariables overwrite = yes
/break =!group
/y_temp=mean(!vname).

compute !mname = y_temp.
compute !cname = !vname - y_temp.

exe.
!doend

delete variables y_temp.
!ENDDEFINE.

group_cvars group = study
/vlist   = alc dvdays sreport
/suffix1 = m_
/suffix2 = c_.

***** Step 2: Always sort data by unique identifiers to ensure reproducibility *****.
SORT CASES by study esid.

***** Step 3: Save data files to read into R, order variables in desired order for input into R
***** Option 1 is to save one data file and use subset statements when reading data into R ****

***** Note that you can save as a SPSS dataset (.sav) or a CSV dataset (.csv) *****.
SAVE OUTFILE='SingleDataset.sav'
/KEEP=esid study intercept k meanvar weights effectsizes vareffsize s m_alc c_alc m_dvdays c_d
/COMPRESSED.

SAVE TRANSLATE OUTFILE='SingleDataset.csv'
/TYPE=CSV
/MAP
```

```

/REPLACE
/FIELDNAMES
/CELLS=VALUES
/KEEP=esid study intercept k meanvar weights effectsizes vareffsize s m_alc c_alc m_dvdays c_d

```

Data written to C:\Users\tanneree\Documents\Presentations\Cochrane-C2 10\SingleDataset.csv.
17 variables and 438 cases written.

*****Option 2 is to save two separate data files (Data and Design) to read into R *****.
SORT CASES by study esid.

```

SAVE TRANSLATE OUTFILE='Data.csv'
/TYPE=CSV
/MAP
/REPLACE
/FIELDNAMES
/CELLS=VALUES
/DROP=esid intercept m_alc c_alc m_dvdays c_dvdays m_sreport c_sreport permale age.

```

Data written to F:\Cochrane-C2 10\Data.csv.
10 variables and 438 cases written.

```

GET
FILE='SingleDataset.sav'.
DATASET NAME $DataSet WINDOW=FRONT.

```

Dataset Name

```

SORT CASES by study esid.
SAVE TRANSLATE OUTFILE='Design.csv'
/TYPE=CSV
/MAP
/REPLACE
/FIELDNAMES
/CELLS=VALUES
/DROP=esid k meanvar weights effectsizes vareffsize s.

```

Data written to F:\Cochrane-C2 10\Design.csv.
10 variables and 438 cases written.

***** Switch to R to use robust.se() function *****.

/***** Compare to naive standard errors calculated in Dave Wilson's meta-regression macro *****/

```

INCLUDE "MetaReg.sps".

7025 0 *-----
7026 0 *' SPSS/Win 6.1 or Higher Macro -- Written by David B. Wilson
7027 0 *' Meta-Analysis Modified Weighted Multiple Regression for
7028 0 *' any type of effect size
7029 0 *' To use, initialize macro with the include statement:
7031 0 *' INCLUDE "[drive][path]METAREG.SPS" .
7032 0 *' Syntax for macro:
7033 0 *' METAREG ES=varname /W=varname /IVS=varlist
7035 0 *' /MODEL=option /PRINT=option .
7036 0 *' Where ES is the effect size variable, W is the inverse
7037 0 *' variance weight, IVS is the list of independent variables
7038 0 *' and MODEL is either FE for a fixed effects model, MM for
7039 0 *' a random effects model estimated via the method of moments,
7040 0 *' and ML is a random effects model estimated via iterative
7041 0 *' maximum likelihood. If /MODEL is omitted, FE is the
7042 0 *' default. The /PRINT subcommand has the option EXP and
7043 0 *' if specified will print the exponent of the B coefficient
7044 0 *' (the odds-ratio) rather than beta. If /PRINT is omitted,
7046 0 *' beta is printed.
7047 0 *' Example:
7048 0 *'
7049 0 *' metareg es = effct /w = invwght /ivs = txvar1 txvar2
7051 0 *' /model = fe .
7052 0 *'
7053 0 *' Version 2005.05.23
7054 0 *'
7055 0 *-----
7056 0 preserve
7057 0 set printback=off
7395 0
7397 0 * End of INSERT and INCLUDE nesting level 01.

COMPUTE wt = 1/(s**2).
EXECUTE.
METAREG ES=effectsize /W=wt /IVS=m_alc c_alc m_dvdays c_dvdays m_sreport c_sreport /MODEL=MM.

```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.1018	.0355	438.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	19.6037	6.0000	.0033
Residual	532.5957	431.0000	.0006
Total	552.1995	437.0000	.0001

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	.0197	.0765	-.1302	.1696	.2571	.7971	.0000
m_alc	.1066	.0503	.0080	.2053	2.1181	.0342	.1035
c_alc	-.0989	.0767	-.2493	.0515	-1.2891	.1974	-.0556
m_dvdays	.0000	.0002	-.0004	.0004	-.0135	.9892	-.0007
c_dvdays	.0006	.0003	-.0001	.0012	1.7706	.0766	.0781
m_srepor	.0528	.0753	-.0948	.2003	.7009	.4834	.0403
c_srepor	.2303	.0802	.0730	.3875	2.8696	.0041	.1273

----- Method of Moments Random Effects Variance Component -----

v = .09604

----- END MATRIX -----

METAREG ES=effectsize /W=wt /IVS=m_alc c_alc m_dvdays c_dvdays m_sreport c_sreport permale age /MODEL=MM.

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.1018	.0370	438.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	20.3610	8.0000	.0091
Residual	529.7046	429.0000	.0006
Total	550.0657	437.0000	.0002

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	.3436	.3661	-.3739	1.0610	.9386	.3480	.0000
m_alc	.0910	.0775	-.0609	.2428	1.1739	.2404	.0882
c_alc	-.0988	.0769	-.2495	.0519	-1.2849	.1988	-.0555
m_dvdays	.0000	.0002	-.0004	.0004	-.0247	.9803	-.0014
c_dvdays	.0006	.0003	-.0001	.0012	1.7635	.0778	.0779
m_srepor	.0530	.0755	-.0950	.2009	.7020	.4827	.0404
c_srepor	.2303	.0804	.0727	.3880	2.8637	.0042	.1273
permale	-.0014	.0019	-.0051	.0024	-.7122	.4764	-.0578
age	-.0135	.0168	-.0463	.0194	-.8042	.4213	-.0498

----- Method of Moments Random Effects Variance Component -----

v = .09669

----- END MATRIX -----

/***** Compare to naive results using study level mean effect sizes only *****/.

GET

FILE='SingleDataset.sav'.

Dataset Name

SORT CASES BY study.

AGGREGATE

/OUTFILE='Aggregate.sav'

/PRESORTED

/BREAK=study

/effectsize_mean=MEAN(effectsize)

/s_mean=MEAN(s)

/m_alc_mean=MEAN(m_alc)

/m_dvdays_mean=MEAN(m_dvdays)

/m_sreport_mean=MEAN(m_sreport)

/permale_mean=MEAN(permale)

/age_mean=MEAN(age).

GET

```
FILE='Aggregate.sav'.
DATASET NAME $DataSet WINDOW=FRONT.
```

Dataset Name

```
COMPUTE wt = 1/(s_mean**2).
EXECUTE
METAREG ES=effectsize_mean /W=wt /IVS=m_alc_mean m_dvdays_mean m_sreport_mean
/MODEL=MM.
```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.1469	.0166	109.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	1.7928	3.0000	.6165
Residual	105.9993	105.0000	.4543
Total	107.7920	108.0000	.4875

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	.1909	.1455	-.0942	.4760	1.3122	.1894	.0000
m_alc_me	.1247	.0996	-.0704	.3199	1.2527	.2103	.1359
m_dvdays	-.0001	.0004	-.0010	.0008	-.2700	.7872	-.0332
m_srepor	-.1024	.1405	-.3778	.1730	-.7288	.4661	-.0928

----- Method of Moments Random Effects Variance Component -----

v = .11007

----- END MATRIX -----

```
METAREG ES=effectsize_mean /W=wt /IVS=m_alc_mean m_dvdays_mean m_sreport_mean
permale_mean age_mean /MODEL=MM.
```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.1472	.0181	109.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	1.9164	5.0000	.8606
Residual	104.0978	103.0000	.4512
Total	106.0141	108.0000	.5361

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	.2752	.6481	-.9950	1.5454	.4247	.6711	.0000
m_alc_me	.1679	.1481	-.1224	.4581	1.1335	.2570	.1828
m_dvdays	-.0001	.0005	-.0010	.0008	-.2908	.7712	-.0362
m_srepor	-.1052	.1427	-.3849	.1744	-.7376	.4608	-.0953
permale_	.0007	.0030	-.0052	.0067	.2455	.8061	.0342
age_mean	-.0087	.0342	-.0757	.0584	-.2535	.7999	-.0342

----- Method of Moments Random Effects Variance Component -----

v = .11289

----- END MATRIX -----

```
SAVE TRANSLATE OUTFILE='NeverUseThisModel.csv'
/TYPE=CSV
/MAP
/REPLACE
/FIELDNAMES.
```

```

*****
*Example SPSS Syntax-file to Create Dataset
*for Meta-Regression Robust Standard Error Calculations
*in R using the robust.hier.se() function
*
*Example 2: Handling Dependencies Due to Multiple
* Studies within Labs/Research Groups
*
*Lipsey, Hedges, Tipton, & Tanner-Smith Workshop
*October, 20th, 2010
*Joint Cochrane-Campbell Colloquium
*Keystone, CO
*****.
CD "F:\Cochrane-C2 10".
GET
  FILE='crHierExampleData.sav'.
DATASET NAME $DataSet WINDOW=FRONT.

DESCRIPTIVES VARIABLES=all.

```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Effect Size ID	68	5	5526	2590.43	1738.876
Intercept	68	1	1	1.00	.000
Lab/Research Group ID	68	1	15	10.04	5.138
Number of ESs per Lab/Research Group	68	1	29	14.53	12.653
1/vareffsize	68	.13	26.47	4.3494	5.31472
Standardized mean difference ES	68	-1.65	1.77	.2965	.58432
Variance of ES	68	.009	.265	.08041	.058626
sqrt(vareffsize)	68	.097	.515	.26599	.099037
Alcohol Outcome	68	0	1	.34	.477
Outcome Timeframe in Days	68	28	549	98.60	106.447
Self-reported Outcome	68	0	1	.68	.471
Percent Male in Tx Group	68	.00	100.00	66.1676	18.79019
Average Age in Tx Group	68	14.00	20.00	16.6874	1.42197
Valid N (listwise)	68				

```

/***** Step 1: Create study-mean and study-mean-centered variables for all variables that vary

```

```

DEFINE group_cvars( group = !charend('/')
                    /vlist   = !charend('/')
                    /suffix1 = !charend('/')
                    /suffix2 = !cmdend )

!do !vname !in (!vlist)
!let !mname = !concat(!suffix1, !vname)
!let !cname = !concat(!suffix2, !vname)

aggregate
/outfile=* mode=addvariables overwrite = yes
/break =!group
/y_temp=mean(!vname).

compute !mname = y_temp.
compute !cname = !vname - y_temp.

exe.
!doend

delete variables y_temp.
!ENDDDEFINE.

group_cvars group = study
        /vlist   = alc dvdays sreport permale age
        /suffix1 = m_
        /suffix2 = c_.

***** Step 2: Always sort data by unique identifiers to ensure reproducibility *****.
SORT CASES by study esid.

***** Step 3: Save data files to read into R, order variables in desired order for input into R *****

***** Option 1 is to save one data file and use subset statements when reading data into R ****

***** Note that you can save as a SPSS dataset (.sav) or a CSV dataset (.csv) *****.
SAVE OUTFILE='HierSingleDataset.sav'
/KEEP=esid study intercept k weights effects size vareffsize s m_alc c_alc m_dvdays c_dvdays m_
/COMPRESSED.

SAVE TRANSLATE OUTFILE='HierSingleDataset.csv'
/TYPE=CSV
/MAP
/REPLACE
/FIELDNAMES
/CELLS=VALUES
/KEEP=esid study intercept k weights effects size vareffsize s m_alc c_alc m_dvdays c_dvdays m_

```

Data written to C:\Users\tannereee\Documents\Presentations\Cochrane-C2 10\HierSingleDataset.csv.
18 variables and 68 cases written.

*****Option 2 is to save two separate data files (Data and Design) to read into R *****.
SORT CASES by study esid.

```
SAVE TRANSLATE OUTFILE='HierData.csv'
  /TYPE=CSV
  /MAP
  /REPLACE
  /FIELDNAMES
  /CELLS=VALUES
  /DROP=esid intercept m_alc c_alc m_dvdays c_dvdays m_sreport c_sreport m_permale c_permale m
```

Data written to F:\Cochrane-C2 10\HierData.csv.
11 variables and 68 cases written.

```
GET
  FILE='HierSingleDataset.sav'.
DATASET NAME $DataSet WINDOW=FRONT.
```

Dataset Name

```
SORT CASES by study esid.
SAVE TRANSLATE OUTFILE='HierDesign.csv'
  /TYPE=CSV
  /MAP
  /REPLACE
  /FIELDNAMES
  /CELLS=VALUES
  /DROP=esid k weights effectsizes vareffsize s.
```

Data written to F:\Cochrane-C2 10\HierDesign.csv.
12 variables and 68 cases written.

/***** Switch to R to use robust.se() function *****/

/***** Compare to naive standard errors calculated in Dave Wilson's meta-regression macro *****/

```
INCLUDE "MetaReg.sps".
```

```
6128 0 *-----
6129 0 *' SPSS/Win 6.1 or Higher Macro -- Written by David B. Wilson
6130 0 *' Meta-Analysis Modified Weighted Multiple Regression for
```

```

6131 0  *' any type of effect size
6132 0  *' To use, initialize macro with the include statement:
6134 0  *' INCLUDE "[drive][path]METAREG.SPS" .
6135 0  *' Syntax for macro:
6136 0  *' METAREG ES=varname /W=varname /IVS=varlist
6138 0  *' /MODEL=option /PRINT=option .
6139 0  *' Where ES is the effect size variable, W is the inverse
6140 0  *' variance weight, IVS is the list of independent variables
6141 0  *' and MODEL is either FE for a fixed effects model, MM for
6142 0  *' a random effects model estimated via the method of moments,
6143 0  *' and ML is a random effects model estimated via iterative
6144 0  *' maximum likelihood. If /MODEL is omitted, FE is the
6145 0  *' default. The /PRINT subcommand has the option EXP and
6146 0  *' if specified will print the exponent of the B coefficient
6147 0  *' (the odds-ratio) rather than beta. If /PRINT is omitted,
6149 0  *' beta is printed.
6150 0  *' Example:
6151 0  *'
6152 0  *' metareg es = effct /w = invweght /ivs = txvar1 txvar2
6154 0  *' /model = fe .
6155 0  *'
6156 0  *' Version 2005.05.23
6157 0  *'
6158 0  *-----
6159 0  preserve
6160 0  set printback=off
6498 0
6500 0  * End of INSERT and INCLUDE nesting level 01.
COMPUTE wt = 1/(s**2).
EXECUTE.
METAREG ES=effectsize /W=wt /IVS=m_alc c_alc m_dvdays c_dvdays m_sreport c_sreport /MODEL=MM.

```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.2322	.4505	68.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	46.1167	6.0000	.0000
Residual	56.2570	61.0000	.6481
Total	102.3736	67.0000	.0035

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	-.2328	.2572	-.7369	.2712	-.9054	.3653	.0000
m_alc	.5639	.2843	.0066	1.1212	1.9833	.0473	.2956
c_alc	.4862	.1585	.1754	.7969	3.0666	.0022	.3158
m_dvdays	.0020	.0014	-.0007	.0047	1.4436	.1489	.1432
c_dvdays	.0007	.0006	-.0003	.0018	1.3382	.1808	.1453
m_srepor	.1637	.3949	-.6103	.9378	.4146	.6785	.0618
c_srepor	.5445	.1437	.2627	.8262	3.7878	.0002	.4254

----- Method of Moments Random Effects Variance Component -----

v = .13016

----- END MATRIX -----

METAREG ES=effectsize /W=wt /IVS=m_alc c_alc m_dvdays c_dvdays m_srepor c_srepor m_permale c_permale m_age c_age /MODEL=MM.

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.2283	.4823	68.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	52.9615	10.0000	.0000
Residual	56.8392	57.0000	.4811

Total 109.8007 67.0000 .0008

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	2.0863	2.1019	-2.0334	6.2061	.9926	.3209	.0000
m_alc	.6503	.2792	.1030	1.1976	2.3289	.0199	.3410
c_alc	.5300	.1600	.2164	.8435	3.3131	.0009	.3448
m_dvdays	.0014	.0014	-.0013	.0042	1.0155	.3099	.1034
c_dvdays	.0008	.0005	-.0003	.0018	1.3898	.1646	.1486
m_srepor	.2557	.4074	-.5429	1.0542	.6276	.5303	.0964
c_srepor	.5642	.1424	.2850	.8434	3.9609	.0001	.4433
m_permaal	-.0031	.0100	-.0227	.0164	-.3144	.7532	-.0450
c_permaal	.0040	.0034	-.0026	.0107	1.1996	.2303	.1219
m_age	-.1288	.0926	-.3104	.0528	-1.3901	.1645	-.2020
c_age	.0073	.0506	-.0919	.1065	.1437	.8857	.0149

----- Method of Moments Random Effects Variance Component -----

v = .11624

----- END MATRIX -----

/***** Compare to naive results using study level mean effect sizes only *****/

.

GET

FILE='crHierExampleData.sav'.

DATASET NAME \$DataSet WINDOW=FRONT.

Dataset Name

SORT CASES BY study.

AGGREGATE

/OUTFILE='HierAggregate.sav'

/PRESORTED

/BREAK=study

/meaneffectsize=MEAN(effectsize)

/means=MEAN(s)

/meanalc=MEAN(alc)

/meandvdays=MEAN(dvdays)

/meansreport=MEAN(sreport)

/meanpermale=MEAN(permale)

/meanage=MEAN(age).

GET

```
FILE='HierAggregate.sav'.
DATASET NAME $DataSet WINDOW=FRONT.
```

Dataset Name

```
COMPUTE wt = 1/(means**2).
EXECUTE
METAREG ES=meaneffectsize /W=wt /IVS= meanalc meandvdays meansreport /MODEL=MM
.
```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.2458	.5982	15.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	16.3747	3.0000	.0010
Residual	10.9963	11.0000	.4436
Total	27.3710	14.0000	.0172

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	-.1420	.2269	-.5867	.3026	-.6261	.5312	.0000
meanalc	.5972	.2586	.0902	1.1041	2.3089	.0210	.6399
meandvda	.0013	.0012	-.0011	.0037	1.0270	.3044	.1972
meansrep	.1619	.3365	-.4976	.8214	.4811	.6304	.1333

----- Method of Moments Random Effects Variance Component -----

v = .00000

----- END MATRIX -----

```
METAREG ES=meaneffectsize /W=wt /IVS=meanalc meandvdays meansreport meanpermale
e meanage /MODEL=MM.
```

Matrix

Run MATRIX procedure:

Version 2005.05.23

***** Inverse Variance Weighted Regression *****

***** Random Intercept, Fixed Slopes Model *****

----- Descriptives -----

Mean ES	R-Square	k
.2467	.6678	15.0000

----- Homogeneity Analysis -----

	Q	df	p
Model	18.0651	5.0000	.0029
Residual	8.9867	9.0000	.4385
Total	27.0518	14.0000	.0190

----- Regression Coefficients -----

	B	SE	-95% CI	+95% CI	Z	P	Beta
Constant	.0950	2.4470	-4.7011	4.8912	.0388	.9690	.0000
meanalc	.6061	.2666	.0835	1.1286	2.2733	.0230	.6486
meandvda	.0009	.0013	-.0017	.0036	.7139	.4753	.1484
meansrep	.3006	.3620	-.4089	1.0100	.8304	.4063	.2474
meanperm	.0073	.0102	-.0127	.0272	.7126	.4761	.1955
meanage	-.0502	.1130	-.2716	.1712	-.4440	.6570	-.1230

----- Method of Moments Random Effects Variance Component -----

v = .00086

----- END MATRIX -----

```
SAVE TRANSLATE OUTFILE='HierNeverUseThisModel.csv'
/TYPE=CSV
/MAP
/REPLACE
/FIELDNAMES
```

/CELLS=VALUES.

Data written to F:\Cochrane-C2 10\HierNeverUseThisModel.csv.
9 variables and 15 cases written.