Output as reported in Fikkers & Piotrowski

Citation for the paper:

Fikkers, K.M. & Piotrowski, J.T. (accepted). Content and person effects in media research: Studying differences in cognitive, emotional, and arousal responses to media content. *Media Psychology*. doi:10.1080/15213269.2019.1608257

General notes:

- This version of the document was made on April 29, 2019.
- Dr. Karin Fikkers can be contacted for questions about this output, the manuscript, and the data used in the *Media Psychology* publication, by sending an email to k.m.fikkers@uu.nl.
- General note: Mplus Tech1 and SAMPSTAT output are not included in this lengthy document to reduce the number of pages.

Contents

1. SPSS Output reported in Method and Table 1

```
GET
  FILE='U:\OZ UvA\Nemo\Hoofdstudie\Data en analyses\Analysis Files\Nemo ALL
DATA Analysis File.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
FREQUENCIES VARIABLES=ChildGender ChildAge N_SiblingPairs
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN
  /ORDER=ANALYSIS.
```

Frequencies

Statistics

		Child Gender	Child Age	How many sibling pairs in the data set?
N	Valid	243	243	243
	Missing	0	0	0
Mean		1,51	10,18	1,72
Std. Deviation		,501	1,797	,691
Minimum		1	7	1
Maximum		2	15	3

Frequency Table

Child Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Girl	120	49,4	49,4	49,4
	Boy	123	50,6	50,6	100,0
	Total	243	100,0	100,0	

Child Age

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	7 years	12	4,9	4,9	4,9
	8 years	32	13,2	13,2	18,1
	9 years	47	19,3	19,3	37,4
	10 years	53	21,8	21,8	59,3
	11 years	49	20,2	20,2	79,4
	12 years	29	11,9	11,9	91,4

	13 years	7	2,9	2,9	94,2
	14 years	8	3,3	3,3	97,5
	15 years	6	2,5	2,5	100,0
	Total	243	100,0	100,0	

How many sibling pairs in the data set?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	102	42,0	42,0	42,0
	2	108	44,4	44,4	86,4
	3	33	13,6	13,6	100,0
	Total	243	100,0	100,0	

```
USE ALL.
COMPUTE filter_$=(filter_$ = 1).
VARIABLE LABELS filter_$ 'filter_$ = 1 (FILTER)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
```

```
FREQUENCIES VARIABLES=ParentGender ParentAgeYears Education_Parent
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN
  /ORDER=ANALYSIS.
```

Frequencies

Statistics

		Bent u een vrouw of een man?	Parent age in years	Wat is de hoogst afgeronde opleiding van uzelf?
N	Valid	207	207	207
	Missing	0	0	0
Mean		1,61	43,8273	6,34
Std. Deviation		,489	5,74270	1,439
Minimum		1	30,17	3
Maximum		2	70,42	11

Frequency Table

Bent u een vrouw of een man?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Man	81	39,1	39,1	39,1

	Vrouw	126	60,9	60,9	100,0
	Total	207	100,0	100,0	

Wat is de hoogst afgeronde opleiding van uzelf?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	LBO / VBO / VMBO (kader- en beroepsgerichte leerweg)	5	2,4	2,4	2,4
	MAVO / eerste 3 jaar HAVO, VWO / VMBO (theoretische en gemengde leerweg)	12	5,8	5,8	8,2
	MBO	57	27,5	27,5	35,7
	HAVO, VWO bovenbouw / HBO, WO propedeuse	16	7,7	7,7	43,5
	HBO / WO-kandidaats of bachelor	77	37,2	37,2	80,7
	WO-doctoraal of master	37	17,9	17,9	98,6
	Anders, namelijk:	3	1,4	1,4	100,0
	Total	207	100,0	100,0	

```
FILTER OFF.
USE ALL.
EXECUTE.

DESCRIPTIVES VARIABLES=Concentration_Pos Effort_Pos PositiveEmotions_Pos
NegativeEmotions_Pos
    Arousal_Pos_R SCL_Pos_BroadAverage HR_Pos_BroadAverage
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Positive clip	243	1	5	3,20	1,211
Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Positive clip	243	1	5	1,87	1,079
Positive emotional responses to the positive clip	243	1,33	5,00	3,8011	,76556
Negative emotional responses to the positive clip	243	1,00	2,67	1,0809	,21500
Arousal Positive clip Recoded. En hoe opgewonden of druk voel je je tijdens dit filmpje?	243	1	5	2,26	1,064

Skin conductance level during positive clip (mean over entire clip)	213	5,60	46,08	18,9477	8,27811
Heart rate in BPM during during positive clip (mean over entire clip)	224	55,1	108,2	79,152	9,1368
Valid N (listwise)	206				

```
DESCRIPTIVES VARIABLES=Concentration_Neg Effort_Neg PositiveEmotions_Neg
NegativeEmotions_Neg
    Arousal_Neg_R SCL_Neg_BroadAverage HR_Neg_BroadAverage
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Negative clip	243	1	5	3,31	1,157
Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Negative clip	243	1	5	1,93	1,173
Positive emotional responses to the negative clip	243	1,00	5,00	3,3045	,98127
Negative emotional responses to the negative clip	243	1,00	3,67	1,2812	,46457
Arousal Negative clip Recoded. En hoe opgewonden of druk voel je je tijdens dit filmpje?	243	1	5	2,08	1,001
Skin conductance level during negative clip (mean over entire clip)	211	5,91	51,64	19,6902	8,01888
Heart rate in BPM during during negative clip (mean over entire clip)	223	53,5	106,2	77,871	9,1787
Valid N (listwise)	204				

```
CORRELATIONS
  /VARIABLES=Concentration_Pos Effort_Pos PositiveEmotions_Pos
NegativeEmotions_Pos Arousal_Pos_R
    SCL_Pos_BroadAverage HR_Pos_BroadAverage
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Correlations

		Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Positive clip	Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Positive clip	Positive emotional responses to the positive clip	Negative emotional responses to the positive clip	Arousal Positive clip Recoded. En hoe opgewonden of druk voel je je tijdens dit filmpje?	Skin conductance level during positive clip (mean over entire clip)	Heart rate in BPM during during positive clip (mean over entire clip)
Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Positive clip	Pearson Correlation	1	,210**	,095	,090	,155*	,014	-,140*
	Sig. (2-tailed)		,001	,138	,160	,015	,837	,037
	N	243	243	243	243	243	213	224
Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Positive clip	Pearson Correlation	,210**	1	-,039	,153*	,127*	-,071	-,202**
	Sig. (2-tailed)	,001		,550	,017	,049	,299	,002
	N	243	243	243	243	243	213	224
Positive emotional responses to the positive clip	Pearson Correlation	,095	-,039	1	-,147*	,140*	,018	-,009
	Sig. (2-tailed)	,138	,550		,022	,029	,791	,893
	N	243	243	243	243	243	213	224
Negative emotional responses to the positive clip	Pearson Correlation	,090	,153*	-,147*	1	,156*	,095	,027
	Sig. (2-tailed)	,160	,017	,022		,015	,168	,683
	N	243	243	243	243	243	213	224
Arousal Positive clip Recoded. En hoe	Pearson Correlation	,155*	,127*	,140*	,156*	1	,108	-,081
	Sig. (2-tailed)	,015	,049	,029	,015		,116	,228

opgewonden of druk voel je je tijdens dit filmpje?	N	243	243	243	243	243	213	224
Skin conductance level during positive clip (mean over entire clip)	Pearson Correlation	,014	-,071	,018	,095	,108	1	,028
	Sig. (2-tailed)	,837	,299	,791	,168	,116		,686
	N	213	213	213	213	213	213	206
Heart rate in BPM during during positive clip (mean over entire clip)	Pearson Correlation	-,140*	-,202**	-,009	,027	-,081	,028	1
	Sig. (2-tailed)	,037	,002	,893	,683	,228	,686	
	N	224	224	224	224	224	206	224

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

```
CORRELATIONS
  /VARIABLES=Concentration_Neg Effort_Neg PositiveEmotions_Neg NegativeEmotions_Neg Arousal_Neg_R
    SCL_Neg_BroadAverage HR_Neg_BroadAverage
  /PRINT=TWOTAIL NOSIG
  /MISSING=PAIRWISE.
```

Correlations

Correlations

		Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Negative clip	Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Negative clip	Positive emotional responses to the negative clip	Negative emotional responses to the negative clip	Arousal Negative clip Recoded. En hoe opgewonden of druk voel je je tijdens dit filmpje?	Skin conductance level during negative clip (mean over entire clip)	Heart rate in BPM during during negative clip (mean over entire clip)
	Pearson Correlation	1	,286**	-,007	,102	,056	,012	-,171*

Hoe hard heb je je geconcentreerd tijdens het kijken naar dit filmpje? Negative clip	Sig. (2-tailed)		,000	,919	,112	,383	,860	,010
	N	243	243	243	243	243	211	223
Hoeveel moeite heb je gedaan om het filmpje te begrijpen? Negative clip	Pearson Correlation	,286**	1	-,057	,272**	,156*	-,122	-,203**
	Sig. (2-tailed)	,000		,379	,000	,015	,077	,002
	N	243	243	243	243	243	211	223
Positive emotional responses to the negative clip	Pearson Correlation	-,007	-,057	1	-,526**	,133*	-,030	,026
	Sig. (2-tailed)	,919	,379		,000	,038	,660	,694
	N	243	243	243	243	243	211	223
Negative emotional responses to the negative clip	Pearson Correlation	,102	,272**	-,526**	1	,160*	,008	-,032
	Sig. (2-tailed)	,112	,000	,000		,012	,905	,639
	N	243	243	243	243	243	211	223
Arousal Negative clip Recoded. En hoe opgewonden of druk voel je je tijdens dit filmpje?	Pearson Correlation	,056	,156*	,133*	,160*	1	,012	-,054
	Sig. (2-tailed)	,383	,015	,038	,012		,868	,425
	N	243	243	243	243	243	211	223
Skin conductance level during negative clip (mean over entire clip)	Pearson Correlation	,012	-,122	-,030	,008	,012	1	,014
	Sig. (2-tailed)	,860	,077	,660	,905	,868		,840
	N	211	211	211	211	211	211	204
Heart rate in BPM during during negative clip (mean over entire clip)	Pearson Correlation	-,171*	-,203**	,026	-,032	-,054	,014	1
	Sig. (2-tailed)	,010	,002	,694	,639	,425	,840	
	N	223	223	223	223	223	204	223

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

```
DESCRIPTIVES VARIABLES=NfC_Mean Surgency AffectiveEmpathy SensProcSens
  /STATISTICS=MEAN STDDEV MIN MAX.
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Need for Cognition - Mean	242	1,00	4,82	3,2457	,67358
Surgency - Mean	235	1,00	4,78	3,3040	,68554
Affective Empathy - Mean	235	1,00	4,50	2,7234	,63933
Sensory Processing Sensitivity - Mean	235	2,00	6,83	4,8457	,88269
Valid N (listwise)	234				

2. Intra Class Correlations and Level-1 and Level-2 variances reported in Table 2

2.1 Concentration

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:19 AM

INPUT INSTRUCTIONS

  Title: Empty model Concentration

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Concentr;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Concentr;

  %between%
  Concentr;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;

Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 0
Number of continuous latent variables 0

Observed dependent variables

Continuous
CONCENTR

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
CONCENTR	0.602

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage
CONCENTR
_____
CONCENTR 1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means
CONCENTR
_____
1 0.000

Covariances
CONCENTR
_____
CONCENTR 0.557

Correlations
CONCENTR
_____
CONCENTR 1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means
CONCENTR
_____
1 3.257

Covariances
CONCENTR
_____
CONCENTR 0.844

Correlations

	CONCENTR
CONCENTR	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -716.854

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
CONCENTR	3.257	-0.358	1.000	10.70%	2.000	3.000	3.000
	486.000	1.401	-0.667	5.000	14.81%	4.000	4.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-716.854
H0 Scaling Correction Factor for MLR	1.4988
H1 Value	-716.854
H1 Scaling Correction Factor for MLR	1.4988

Information Criteria

Akaike (AIC)	1439.707
Bayesian (BIC)	1452.266
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1442.744

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.000
Degrees of Freedom	0
P-Value	1.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

			Two-Tailed	
	Estimate	S.E.	Est./S.E.	P-Value
Within Level				
Variances				
CONCENTR	0.558	0.083	6.696	0.000
Between Level				
Means				
CONCENTR	3.257	0.068	47.932	0.000
Variances				
CONCENTR	0.843	0.106	7.922	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

			Two-Tailed	
	Estimate	S.E.	Est./S.E.	P-Value
Within Level				
Variances				

CONCENTR	1.000	0.000	999.000	999.000

Between Level

Means

CONCENTR	3.547	0.248	14.331	0.000

Variances

CONCENTR	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.667E-01

2.2 Cognitive effort

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:21 AM

INPUT INSTRUCTIONS

  Title: Empty model effort

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Effort;
WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Effort;
  %between%
  Effort;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           486

Number of dependent variables                    1
Number of independent variables                  0
Number of continuous latent variables            0
```

Observed dependent variables

Continuous
EFFORT

Variables with special functions

Cluster variable ID

Estimator	MLR
Information matrix	OBSERVED
Maximum number of iterations	100
Convergence criterion	0.100D-05
Maximum number of EM iterations	500
Convergence criteria for the EM algorithm	
Loglikelihood change	0.100D-02
Relative loglikelihood change	0.100D-05
Derivative	0.100D-03
Minimum variance	0.100D-03
Maximum number of steepest descent iterations	20
Maximum number of iterations for H1	2000
Convergence criterion for H1	0.100D-03
Optimization algorithm	EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
EFFORT	0.734

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	EFFORT
EFFORT	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	EFFORT
1	0.000

Covariances

	EFFORT
EFFORT	0.337

Correlations

	EFFORT
EFFORT	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	EFFORT
1	1.901

Covariances

	EFFORT
EFFORT	0.929

Correlations

	EFFORT
EFFORT	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -653.106

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
EFFORT	1.901	1.009	1.000	52.06%	1.000	1.000	1.000
	486.000	1.266	-0.047	5.000	2.67%	2.000	3.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-653.106
H0 Scaling Correction Factor for MLR	1.5284
H1 Value	-653.106
H1 Scaling Correction Factor for MLR	1.5284

Information Criteria

Akaike (AIC)	1312.212
Bayesian (BIC)	1324.771
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1315.249

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.000
Degrees of Freedom	0
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
EFFORT	0.337	0.049	6.872	0.000
Between Level				
Means				
EFFORT	1.901	0.067	28.294	0.000
Variances				
EFFORT	0.928	0.104	8.888	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
EFFORT	1.000	0.000	999.000	999.000
Between Level				
Means				
EFFORT	1.973	0.086	22.834	0.000

Variances				
EFFORT	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.129E-01

2.3 Positive emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:22 AM

INPUT INSTRUCTIONS

  Title: Empty model positive emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = PosEmo;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  PosEmo;

  %between%
  PosEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           486

Number of dependent variables                    1
```

Number of independent variables 0
Number of continuous latent variables 0

Observed dependent variables

Continuous
POSEMO

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
POSEMO	0.344

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage
POSEMO
_____
POSEMO 1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means
POSEMO
_____
1 0.000

Covariances
POSEMO
_____
POSEMO 0.547

Correlations
POSEMO
_____
POSEMO 1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means
POSEMO
_____
1 3.553

Covariances
POSEMO
_____
POSEMO 0.286

Correlations
POSEMO
_____
POSEMO 1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -629.988

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
POSEMO	3.553	-0.430	1.000	0.41%	2.667	3.333	3.667
	486.000	0.833	-0.428	5.000	8.23%	4.000	4.333

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-629.988
H0 Scaling Correction Factor for MLR	1.1105
H1 Value	-629.988
H1 Scaling Correction Factor for MLR	1.1105

Information Criteria

Akaike (AIC)	1265.976
Bayesian (BIC)	1278.535
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1269.013

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.000

CFI/TLI

CFI 1.000
TLI 1.000

Chi-Square Test of Model Fit for the Baseline Model

Value 0.000
Degrees of Freedom 0
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within 0.000
Value for Between 0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
POSEMO	0.547	0.062	8.860	0.000
Between Level				
Means				
POSEMO	3.553	0.048	74.056	0.000
Variances				
POSEMO	0.286	0.057	4.970	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
POSEMO	1.000	0.000	999.000	999.000
Between Level				

Means				
POSEMO	6.646	0.677	9.824	0.000
Variances				
POSEMO	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.177E+00

2.4 Negative emotions

```
MPLUS VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:23 AM

INPUT INSTRUCTIONS

  Title: Empty model negative emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
  NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = NegEmo;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  NegEmo;

  %between%
  NegEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           486

Number of dependent variables                    1
Number of independent variables                  0
```

Number of continuous latent variables 0

Observed dependent variables

Continuous
NEGEMO

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass
Variable Correlation

NEGEMO 0.176

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage
NEGEMO
_____
NEGEMO 1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means
NEGEMO
_____
1 0.000

Covariances
NEGEMO
_____
NEGEMO 0.116

Correlations
NEGEMO
_____
NEGEMO 1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means
NEGEMO
_____
1 1.181

Covariances
NEGEMO
_____
NEGEMO 0.025

Correlations
NEGEMO
_____
NEGEMO 1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -209.013

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
NEGEMO	1.181	2.718	1.000	72.22%	1.000	1.000	1.000
486.000	0.141	8.484	3.667	0.21%	1.000	1.333	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-209.012
H0 Scaling Correction Factor for MLR	2.4646
H1 Value	-209.013
H1 Scaling Correction Factor for MLR	2.4646

Information Criteria

Akaike (AIC)	424.024
Bayesian (BIC)	436.583
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	427.061

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.001
Degrees of Freedom	0
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
NEGEMO	0.116	0.021	5.535	0.000
Between Level				
Means				
NEGEMO	1.181	0.018	64.122	0.000
Variances				
NEGEMO	0.024	0.008	2.908	0.004

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
NEGEMO	1.000	0.000	999.000	999.000
Between Level				
Means				

NEGEMO	7.566	1.279	5.916	0.000
Variances				
NEGEMO	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.781E-02

2.5 Self-reported arousal

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:24 AM

INPUT INSTRUCTIONS

  Title: Empty model arousal

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Arousal;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Arousal;

  %between%
  Arousal;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           486

Number of dependent variables                    1
Number of independent variables                  0
```

Number of continuous latent variables 0

Observed dependent variables

Continuous
AROUSAL

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
AROUSAL	0.646

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	AROUSAL
AROUSAL	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	AROUSAL
1	0.000

Covariances

	AROUSAL
AROUSAL	0.378

Correlations

	AROUSAL
AROUSAL	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	AROUSAL
1	2.169

Covariances

	AROUSAL
AROUSAL	0.692

Correlations

	AROUSAL
AROUSAL	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -640.418

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
AROUSAL	2.169	0.473	1.000	32.92%	1.000	2.000	2.000
	486.000	1.070	-0.634	5.000	1.44%	2.000	3.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-640.418
H0 Scaling Correction Factor for MLR	1.2373
H1 Value	-640.418
H1 Scaling Correction Factor for MLR	1.2373

Information Criteria

Akaike (AIC)	1286.835
Bayesian (BIC)	1299.394
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1289.872

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.000
Degrees of Freedom	0
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
AROUSAL	0.379	0.050	7.608	0.000
Between Level				
Means				
AROUSAL	2.169	0.060	36.018	0.000
Variances				
AROUSAL	0.692	0.069	9.963	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
AROUSAL	1.000	0.000	999.000	999.000
Between Level				
Means				

AROUSAL	2.608	0.134	19.533	0.000
Variances				
AROUSAL	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.450E-01

2.6 Skin conductance level

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:24 AM

INPUT INSTRUCTIONS

  Title: Empty model SCL

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = SCL;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  SCL;

  %between%
  SCL;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           424

Number of dependent variables                    1
Number of independent variables                  0
```

Number of continuous latent variables 0

Observed dependent variables

Continuous
SCL

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 214

Average cluster size 1.981

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
SCL	0.944

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage
SCL
_____
SCL 1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means
SCL
_____
1 0.000

Covariances
SCL
_____
SCL 3.661

Correlations
SCL
_____
SCL 1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means
SCL
_____
1 19.352

Covariances
SCL
_____
SCL 62.269

Correlations
SCL
_____
SCL 1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1255.920

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
SCL	19.317	0.720	5.600	0.24%	12.090	15.720	18.125
	424.000	66.249	0.229	51.640	0.24%	20.490	25.310

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-1255.920
H0 Scaling Correction Factor for MLR	1.2092
H1 Value	-1255.920
H1 Scaling Correction Factor for MLR	1.2092

Information Criteria

Akaike (AIC)	2517.841
Bayesian (BIC)	2529.990
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2520.470

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	0.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.000
Degrees of Freedom	0
P-Value	1.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
SCL	3.664	0.445	8.233	0.000
Between Level				
Means				
SCL	19.352	0.547	35.348	0.000
Variances				
SCL	62.263	6.422	9.695	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Variances				
SCL	1.000	0.000	999.000	999.000
Between Level				
Means				

SCL	2.453	0.112	21.873	0.000
Variances				
SCL	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.639E-01

2.7 Heart rate

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:25 AM

INPUT INSTRUCTIONS

  Title: Empty model HR

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = HR;
  WITHIN = ;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  HR;

  %between%
  HR;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Concentr Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Empty model multivariate, MLR estimates FULL SAMPLE nieuw

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           447

Number of dependent variables                    1
```

Number of independent variables 0
Number of continuous latent variables 0

Observed dependent variables

Continuous
HR

Variables with special functions

Cluster variable ID

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie \Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 224

Average cluster size 1.996

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
HR	0.960

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	HR
HR	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	HR
1	0.000

Covariances

	HR
HR	3.381

Correlations

	HR
HR	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	HR
1	78.506

Covariances

	HR
HR	80.368

Correlations

	HR
HR	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1341.064

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
HR	78.513	0.319	53.500	0.22%	71.300	75.700	77.700
447.000	83.899	0.458	108.200	0.22%	80.100	85.700	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 3

Loglikelihood

H0 Value	-1341.064
H0 Scaling Correction Factor for MLR	1.1813
H1 Value	-1341.064
H1 Scaling Correction Factor for MLR	1.1813

Information Criteria

Akaike (AIC)	2688.128
Bayesian (BIC)	2700.436
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2690.915

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	0.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	0.000
Degrees of Freedom	0
P-Value	1.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
Within Level				
Variances				
HR	3.384	0.366	9.242	0.000
Between Level				
Means				
HR	78.506	0.605	129.703	0.000
Variances				
HR	80.364	8.642	9.300	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
Within Level				
Variances				
HR	1.000	0.000	999.000	999.000
Between Level				

Means				
HR	8.757	0.462	18.969	0.000
Variances				
HR	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.632E-02

3. Output for Hypothesis 1 (clip content as Level-1 predictor of responses)

3.1 Concentration

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:41 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, Concentration

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Concentr ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Concentr on ClpContR;

  %between%
  Concentr;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



INPUT READING TERMINATED NORMALLY



Adding Clip content as L1 predictor, concentration
```

SUMMARY OF ANALYSIS

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 0

Observed dependent variables

Continuous
CONCENTR

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
CONCENTR	0.604

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	CONCENTR	CLPCONTR
CONCENTR	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	CONCENTR	CLPCONTR
1	0.000	0.500

Covariances

	CONCENTR	CLPCONTR
CONCENTR	0.554	
CLPCONTR	0.028	0.250

Correlations

	CONCENTR	CLPCONTR
CONCENTR	1.000	
CLPCONTR	0.075	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	CONCENTR	CLPCONTR
1	3.257	0.000

Covariances

	CONCENTR	CLPCONTR
CONCENTR	0.847	
CLPCONTR	0.000	0.000

Correlations

	CONCENTR	CLPCONTR
CONCENTR	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -715.501

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
CONCENTR	3.257	-0.358	1.000	10.70%	2.000	3.000	3.000
486.000	1.401	-0.667	5.000	14.81%	4.000	4.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-715.501
H0 Scaling Correction Factor for MLR	1.3853
H1 Value	-715.501
H1 Scaling Correction Factor for MLR	1.3853

Information Criteria

Akaike (AIC)	1439.002
Bayesian (BIC)	1455.747
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1443.051

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	2.588
Degrees of Freedom	1
P-Value	0.1077

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
CONCENTR ON				
CLPCONTR	0.111	0.067	1.647	0.099
Residual Variances				
CONCENTR	0.552	0.083	6.641	0.000

Between Level

Means				
CONCENTR	3.202	0.078	41.288	0.000
Variances				
CONCENTR	0.846	0.106	7.961	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
CONCENTR ON				
CLPCONTR	0.075	0.045	1.639	0.101
Residual Variances				
CONCENTR	0.994	0.007	146.784	0.000
Between Level				
Means				
CONCENTR	3.481	0.245	14.186	0.000
Variances				
CONCENTR	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
CONCENTR	0.006	0.007	0.819	0.413

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.640E-01

3.2 Cognitive effort

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:42 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, cognitive effort

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Effort ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Effort on ClpContR;

  %between%
  Effort;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



INPUT READING TERMINATED NORMALLY



Adding Clip content as L1 predictor, cognitive effort

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 0

Observed dependent variables

Continuous
EFFORT

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass
Variable Correlation

EFFORT 0.734

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	EFFORT	CLPCONTR
1	0.000	0.500

Covariances

	EFFORT	CLPCONTR
EFFORT	0.336	
CLPCONTR	0.016	0.250

Correlations

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	0.057	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	EFFORT	CLPCONTR

1 1.901 0.000

Covariances

	EFFORT	CLPCONTR
EFFORT	0.930	
CLPCONTR	0.000	0.000

Correlations

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -652.323

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
EFFORT	1.901	1.009	1.000	52.06%	1.000	1.000	1.000
486.000	1.266	-0.047	5.000	2.67%	2.000	3.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-652.323
H0 Scaling Correction Factor for MLR	1.3792
H1 Value	-652.323
H1 Scaling Correction Factor for MLR	1.3792

Information Criteria

Akaike (AIC)	1312.646

Bayesian (BIC)	1329.391
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1316.695

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	1.680
Degrees of Freedom	1
P-Value	0.1949

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
EFFORT ON				
CLPCONTR	0.066	0.053	1.253	0.210
Residual Variances				
EFFORT	0.335	0.048	6.965	0.000
Between Level				
Means				

EFFORT	1.868	0.069	27.045	0.000
Variances				
EFFORT	0.930	0.104	8.906	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
EFFORT ON				
CLPCONTR	0.057	0.044	1.280	0.201
Residual Variances				
EFFORT	0.997	0.005	198.034	0.000
Between Level				
Means				
EFFORT	1.938	0.085	22.926	0.000
Variances				
EFFORT	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
EFFORT	0.003	0.005	0.640	0.522

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.125E-01

3.3 Positive emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:43 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, positive emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = PosEmo ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  PosEmo on ClpContR;

  %between%
  PosEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



INPUT READING TERMINATED NORMALLY



Adding Clip content as L1 predictor, positive emotions

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 0

Observed dependent variables

Continuous
POSEMO

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass
Variable Correlation

POSEMO 0.417

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	POSEMO	CLPCONTR
1	0.000	0.500

Covariances

	POSEMO	CLPCONTR
POSEMO	0.485	
CLPCONTR	-0.124	0.250

Correlations

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	-0.356	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	POSEMO	CLPCONTR

1 3.553 0.000

Covariances

	POSEMO	CLPCONTR
POSEMO	0.348	
CLPCONTR	0.000	0.000

Correlations

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -598.978

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
POSEMO	3.553	-0.430	1.000	0.41%	2.667	3.333	3.667
486.000	0.833	-0.428	5.000	8.23%	4.000	4.333	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-598.978
H0 Scaling Correction Factor for MLR	1.0471
H1 Value	-598.978
H1 Scaling Correction Factor for MLR	1.0471

Information Criteria

Akaike (AIC)	1205.956

Bayesian (BIC)	1222.700
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1210.005

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	72.264
Degrees of Freedom	1
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
POSEMO ON				
CLPCONTR	-0.496	0.059	-8.404	0.000
Residual Variances				
POSEMO	0.424	0.046	9.299	0.000
Between Level				
Means				

POSEMO	3.801	0.049	77.554	0.000
Variances				
POSEMO	0.347	0.052	6.631	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
POSEMO ON				
CLPCONTR	-0.356	0.037	-9.720	0.000
Residual Variances				
POSEMO	0.873	0.026	33.452	0.000
Between Level				
Means				
POSEMO	6.450	0.512	12.594	0.000
Variances				
POSEMO	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
POSEMO	0.127	0.026	4.860	0.000

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.935E-01

3.4 Negative emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:45 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, Negative emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = NegEmo ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  NegEmo on ClpContR;

  %between%
  NegEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



INPUT READING TERMINATED NORMALLY



Adding Clip content as L1 predictor, Negative emotions

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 0

Observed dependent variables

Continuous
NEGEMO

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass
Variable Correlation

NEGEMO 0.246

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	NEGEMO	CLPCONTR
1	0.000	0.500

Covariances

	NEGEMO	CLPCONTR
NEGEMO	0.106	
CLPCONTR	0.050	0.250

Correlations

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	0.308	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	NEGEMO	CLPCONTR

1 1.181 0.000

Covariances

	NEGEMO	CLPCONTR
NEGEMO	0.035	
CLPCONTR	0.000	0.000

Correlations

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -185.981

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
NEGEMO	1.181	2.718	1.000	72.22%	1.000	1.000	1.000
486.000	0.141	8.484	3.667	0.21%	1.000	1.333	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-185.981
H0 Scaling Correction Factor for MLR	2.0164
H1 Value	-185.981
H1 Scaling Correction Factor for MLR	2.0164

Information Criteria

Akaike (AIC)	379.961

Bayesian (BIC) 396.706
Sample-Size Adjusted BIC 384.010
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 0.000*
Degrees of Freedom 0
P-Value 1.0000
Scaling Correction Factor 1.0000
for MLR

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.000

CFI/TLI

CFI 1.000
TLI 1.000

Chi-Square Test of Model Fit for the Baseline Model

Value 67.555
Degrees of Freedom 1
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within 0.000
Value for Between 0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
NEGEMO ON				
CLPCONTR	0.200	0.028	7.122	0.000
Residual Variances				
NEGEMO	0.096	0.017	5.780	0.000
Between Level				
Means				

NEGEMO	1.081	0.014	78.535	0.000
Variances				
NEGEMO	0.034	0.008	4.340	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
NEGEMO ON				
CLPCONTR	0.307	0.029	10.488	0.000
Residual Variances				
NEGEMO	0.906	0.018	50.246	0.000
Between Level				
Means				
NEGEMO	5.828	0.627	9.289	0.000
Variances				
NEGEMO	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
NEGEMO	0.094	0.018	5.244	0.000

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.177E-02

3.5 Self-reported arousal

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:45 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, arousal

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Arousal ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  Arousal on ClpContR;

  %between%
  Arousal;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



INPUT READING TERMINATED NORMALLY



Adding Clip content as L1 predictor, arousal

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 0

Observed dependent variables

Continuous
AROUSAL

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass
Variable Correlation

AROUSAL 0.653

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	AROUSAL	CLPCONTR
AROUSAL	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	AROUSAL	CLPCONTR
1	0.000	0.500

Covariances

	AROUSAL	CLPCONTR
AROUSAL	0.371	
CLPCONTR	-0.043	0.250

Correlations

	AROUSAL	CLPCONTR
AROUSAL	1.000	
CLPCONTR	-0.142	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	AROUSAL	CLPCONTR

1 2.169 0.000

Covariances

	AROUSAL	CLPCONTR
AROUSAL	0.699	
CLPCONTR	0.000	0.000

Correlations

	AROUSAL	CLPCONTR
AROUSAL	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -635.527

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
AROUSAL	2.169	0.473	1.000	32.92%	1.000	2.000	2.000
486.000	1.070	-0.634	5.000	1.44%	2.000	3.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-635.527
H0 Scaling Correction Factor for MLR	1.2396
H1 Value	-635.527
H1 Scaling Correction Factor for MLR	1.2396

Information Criteria

Akaike (AIC)	1279.054

Bayesian (BIC) 1295.799
Sample-Size Adjusted BIC 1283.103
(n* = (n + 2) / 24)

Chi-Square Test of Model Fit

Value 0.000*
Degrees of Freedom 0
P-Value 1.0000
Scaling Correction Factor for MLR 1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.000

CFI/TLI

CFI 1.000
TLI 1.000

Chi-Square Test of Model Fit for the Baseline Model

Value 7.843
Degrees of Freedom 1
P-Value 0.0051

SRMR (Standardized Root Mean Square Residual)

Value for Within 0.000
Value for Between 0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
AROUSAL ON				
CLPCONTR	-0.173	0.055	-3.157	0.002
Residual Variances				
AROUSAL	0.364	0.051	7.197	0.000
Between Level				
Means				

AROUSAL	2.255	0.068	33.095	0.000
Variances				
AROUSAL	0.699	0.070	10.034	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
Within Level				
AROUSAL ON				
CLPCONTR	-0.142	0.047	-3.025	0.002
Residual Variances				
AROUSAL	0.980	0.013	73.717	0.000
Between Level				
Means				
AROUSAL	2.697	0.139	19.464	0.000
Variances				
AROUSAL	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
AROUSAL	0.020	0.013	1.512	0.130

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.369E-01

3.6 Skin conductance level

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:46 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, SCL

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = SCL ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  SCL on ClpContR;

  %between%
  SCL;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Adding Clip content as L1 predictor, SCL

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           424

Number of dependent variables                    1
Number of independent variables                  1
```

Number of continuous latent variables 0

Observed dependent variables

Continuous
SCL

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 214

Average cluster size 1.981

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
SCL	0.947

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	SCL	CLPCONTR
SCL	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	SCL	CLPCONTR
1	0.000	0.498

Covariances

	SCL	CLPCONTR
SCL	3.507	
CLPCONTR	0.195	0.250

Correlations

	SCL	CLPCONTR
SCL	1.000	
CLPCONTR	0.209	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	SCL	CLPCONTR
1	19.354	0.000

Covariances

	SCL	CLPCONTR

SCL	62.450	
CLPCONTR	0.000	0.000

Correlations

	SCL	CLPCONTR
SCL	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1246.763

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
SCL	19.317	0.720	5.600	0.24%	12.090	15.720	18.125
424.000	66.249	0.229	51.640	0.24%	20.490	25.310	
CLPCONTR	0.498	0.009	0.000	50.24%	0.000	0.000	0.000
424.000	0.250	-2.000	1.000	49.76%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-1246.763
H0 Scaling Correction Factor for MLR	1.2137
H1 Value	-1246.763
H1 Scaling Correction Factor for MLR	1.2137

Information Criteria

Akaike (AIC)	2501.525
Bayesian (BIC)	2517.724
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2505.031

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	14.910
Degrees of Freedom	1
P-Value	0.0001

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
SCL ON				
CLPCONTR	0.782	0.179	4.376	0.000
Residual Variances				
SCL	3.356	0.437	7.687	0.000
Between Level				
Means				
SCL	18.965	0.564	33.635	0.000
Variances				
SCL	62.446	6.411	9.740	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
SCL ON				
CLPCONTR	0.209	0.049	4.243	0.000
Residual Variances				
SCL	0.956	0.021	46.583	0.000
Between Level				
Means				
SCL	2.400	0.109	21.944	0.000
Variances				
SCL	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
SCL	0.044	0.021	2.121	0.034

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.651E-01

3.7 Heart rate

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:44 AM

INPUT INSTRUCTIONS

  Title: Adding Clip content as L1 predictor, HR

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = HR ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel;
  estimator = mlr;

  MODEL:
  %within%
  HR on ClpContR;

  %between%
  HR;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Adding Clip content as L1 predictor, HR

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           447

Number of dependent variables                    1
Number of independent variables                  1
```

Number of continuous latent variables 0

Observed dependent variables

Continuous
HR

Observed independent variables
CLPCONTR

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 224

Average cluster size 1.996

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
HR	0.965

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	HR	CLPCONTR
HR	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	HR	CLPCONTR
1	0.000	0.499

Covariances

	HR	CLPCONTR
HR	2.960	
CLPCONTR	-0.325	0.250

Correlations

	HR	CLPCONTR
HR	1.000	
CLPCONTR	-0.377	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	HR	CLPCONTR
1	78.505	0.000

Covariances

	HR	CLPCONTR

HR	80.808	
CLPCONTR	0.000	0.000

Correlations

	HR	CLPCONTR
HR	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1309.119

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
HR	78.513	0.319	53.500	0.22%	71.300	75.700	77.700
447.000	83.899	0.458	108.200	0.22%	80.100	85.700	
CLPCONTR	0.499	0.004	0.000	50.11%	0.000	0.000	0.000
447.000	0.250	-2.000	1.000	49.89%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 4

Loglikelihood

H0 Value	-1309.119
H0 Scaling Correction Factor for MLR	1.2302
H1 Value	-1309.119
H1 Scaling Correction Factor for MLR	1.2302

Information Criteria

Akaike (AIC)	2626.238
Bayesian (BIC)	2642.648
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2629.954

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	46.367
Degrees of Freedom	1
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
HR ON				
CLPCONTR	-1.298	0.151	-8.602	0.000
Residual Variances				
HR	2.540	0.312	8.139	0.000
Between Level				
Means				
HR	79.152	0.609	129.946	0.000
Variances				
HR	80.806	8.644	9.348	0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
Within Level				
HR ON				
CLPCONTR	-0.377	0.044	-8.539	0.000
Residual Variances				
HR	0.858	0.033	25.742	0.000
Between Level				
Means				
HR	8.805	0.462	19.076	0.000
Variances				
HR	1.000	0.000	999.000	999.000

R-SQUARE

Within Level

Observed Variable	Estimate	S.E.	Two-Tailed Est./S.E.	P-Value
HR	0.142	0.033	4.269	0.000

Between Level

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.630E-02

4. Variance in Level-1 slopes

4.1 Cognitive effort

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:55 AM

INPUT INSTRUCTIONS

  Title: Level-1 model with predictor to explain intercept
  AND slope variability (clip content), Cognitive effort

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Effort ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  Effort;
  SEffort | Effort on ClpContR;

  %between%
  Effort;
  SEffort;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Level-1 model with predictor to explain intercept
AND slope variability (clip content), Cognitive effort

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 1

Observed dependent variables

Continuous
EFFORT

Observed independent variables
CLPCONTR

Continuous latent variables
SEFFORT

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation	Variable	Intraclass Correlation
EFFORT	0.734		

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	EFFORT	CLPCONTR
1	0.000	0.500

Covariances

	EFFORT	CLPCONTR
EFFORT	0.336	
CLPCONTR	0.016	0.250

Correlations

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	0.057	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	EFFORT	CLPCONTR
1	1.901	0.000

Covariances

	EFFORT	CLPCONTR
EFFORT	0.930	
CLPCONTR	0.000	0.000

Correlations

	EFFORT	CLPCONTR
EFFORT	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -652.323

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
EFFORT	1.901	1.009	1.000	52.06%	1.000	1.000	1.000
486.000	1.266	-0.047	5.000	2.67%	2.000	3.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 5

Loglikelihood

H0 Value	-650.479
H0 Scaling Correction Factor for MLR	1.2564

Information Criteria

Akaike (AIC)	1310.958
Bayesian (BIC)	1331.889
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1316.020

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
EFFORT	0.230	0.051	4.494	0.000
Between Level				
Means				
EFFORT	1.868	0.069	27.046	0.000
SEFFORT	0.066	0.053	1.253	0.210
Variances				
EFFORT	0.930	0.104	8.907	0.000
SEFFORT	0.211	0.099	2.141	0.032

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.676E-02

4.2 Positive emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:58 AM

INPUT INSTRUCTIONS

  Title: Level-1 model with predictor to explain intercept
  AND slope variability (clip content), Positive emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = PosEmo ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  PosEmo;
  SPosEmo | PosEmo on ClpContR;

  %between%
  PosEmo;
  SPosEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;

Level-1 model with predictor to explain intercept
AND slope variability (clip content), Positive emotions

SUMMARY OF ANALYSIS

Number of groups                                 1
Number of observations                           486
```

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 1

Observed dependent variables

Continuous
POSEMO

Observed independent variables
CLPCONTR

Continuous latent variables
SPOSEMO

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation	Variable	Intraclass Correlation

POSEMO 0.417

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	POSEMO	CLPCONTR
1	0.000	0.500

Covariances

	POSEMO	CLPCONTR
POSEMO	0.485	
CLPCONTR	-0.124	0.250

Correlations

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	-0.356	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	POSEMO	CLPCONTR

1	3.553	0.000

Covariances

	POSEMO	CLPCONTR
POSEMO	0.348	
CLPCONTR	0.000	0.000

Correlations

	POSEMO	CLPCONTR
POSEMO	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -598.978

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
POSEMO	3.553	-0.430	1.000	0.41%	2.667	3.333	3.667
	486.000	0.833	-0.428	5.000	8.23%	4.000	4.333
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
	486.000	0.250	-2.000	1.000	50.00%	1.000	1.000

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 5

Loglikelihood

H0 Value -589.607
H0 Scaling Correction Factor for MLR 1.0267

Information Criteria

Akaike (AIC) 1189.214
Bayesian (BIC) 1210.145
Sample-Size Adjusted BIC 1194.275

(n* = (n + 2) / 24)

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
POSEMO	0.236	0.054	4.376	0.000
Between Level				
Means				
POSEMO	3.801	0.049	77.559	0.000
SPOSEMO	-0.497	0.059	-8.406	0.000
Variances				
POSEMO	0.347	0.052	6.632	0.000
SPOSEMO	0.376	0.075	5.027	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.304E-01

4.3 Negative emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017   9:54 AM

INPUT INSTRUCTIONS

  Title: Level-1 model with predictor to explain intercept
  AND slope variability (clip content), Negative emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = NegEmo ClpContR;
  WITHIN = ClpContR;
  BETWEEN = ;
  MISSING ARE ALL (999);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  NegEmo;
  SNegEmo | NegEmo on ClpContR;

  %between%
  NegEmo;
  SNegEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Level-1 model with predictor to explain intercept
AND slope variability (clip content), Negative emotions

SUMMARY OF ANALYSIS

Number of groups                                 1
```

Number of observations 486

Number of dependent variables 1
Number of independent variables 1
Number of continuous latent variables 1

Observed dependent variables

Continuous
NEGEMO

Observed independent variables
CLPCONTR

Continuous latent variables
SNEGEMO

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\ Hoofdstudie\Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 243

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Intraclass Intraclass

Variable Correlation Variable Correlation

NEGEMO 0.246

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	NEGEMO	CLPCONTR
1	0.000	0.500

Covariances

	NEGEMO	CLPCONTR
NEGEMO	0.106	
CLPCONTR	0.050	0.250

Correlations

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	0.308	1.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	NEGEMO	CLPCONTR
1	1.181	0.000

Covariances

	NEGEMO	CLPCONTR
NEGEMO	0.035	
CLPCONTR	0.000	0.000

Correlations

	NEGEMO	CLPCONTR
NEGEMO	1.000	
CLPCONTR	0.000	0.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -185.981

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
NEGEMO	1.181	2.718	1.000	72.22%	1.000	1.000	1.000
486.000	0.141	8.484	3.667	0.21%	1.000	1.333	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
486.000	0.250	-2.000	1.000	50.00%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 5

Loglikelihood

H0 Value -113.308
H0 Scaling Correction Factor for MLR 3.5433

Information Criteria

Akaike (AIC) 236.616
Bayesian (BIC) 257.547

Sample-Size Adjusted BIC (n* = (n + 2) / 24)	241.677

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
NEGEMO	0.012	0.011	1.018	0.309
Between Level				
Means				
NEGEMO	1.081	0.014	78.535	0.000
SNEGEMO	0.200	0.028	7.122	0.000
Variances				
NEGEMO	0.034	0.008	4.340	0.000
SNEGEMO	0.169	0.036	4.720	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.257E-03

5. Output reported in Table 3 (RQ1, H2-4)

5.1 Concentration

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:01 AM

INPUT INSTRUCTIONS

  Title: Full model, concentration

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Concentr ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  Concentr on ClpContR;

  %between%
  Concentr on RFamiliar RGender Age NfC AffEmp Surgency SPS;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Full model, concentration

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 468

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 0

Observed dependent variables

Continuous
CONCENTR

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 234

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
CONCENTR	0.608

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
CONCENTR	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA

1	0.000	0.500	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
CONCENTR	0.564				
CLPCONTR	0.032	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
CONCENTR	1.000				
CLPCONTR	0.085	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
1	3.261	0.000	0.000	0.509	0.466

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
CONCENTR	0.877				
CLPCONTR	0.000	0.000			
AGE	0.066	0.000	3.180		
RGENDER	-0.056	0.000	-0.023	0.250	
RFAMILIA	-0.085	0.000	0.003	0.011	0.249
NFC	0.074	0.000	0.122	0.011	-0.021
AFFEMP	-0.020	0.000	-0.114	-0.024	-0.022
SURGENCY	0.044	0.000	-0.048	-0.013	0.031
SPS	-0.014	0.000	0.021	-0.063	-0.037

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.455			
AFFEMP	-0.038	0.408		
SURGENCY	0.039	-0.005	0.469	
SPS	-0.089	0.284	-0.070	0.779

Correlations

	CONCENTR	CLPCONTR	AGE	RGENDER	RFAMILIA
CONCENTR	1.000				
CLPCONTR	0.000	0.000			
AGE	0.040	0.000	1.000		
RGENDER	-0.119	0.000	-0.026	1.000	
RFAMILIA	-0.182	0.000	0.003	0.044	1.000
NFC	0.118	0.000	0.102	0.034	-0.064
AFFEMP	-0.034	0.000	-0.100	-0.075	-0.069
SURGENCY	0.069	0.000	-0.039	-0.037	0.092
SPS	-0.017	0.000	0.013	-0.144	-0.085

Correlations

	NFC	AFFEMP	SURGENCY	SPS

NFC	1.000			
AFFEMP	-0.088	1.000		
SURGENCY	0.085	-0.011	1.000	
SPS	-0.150	0.503	-0.116	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -688.392

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
CONCENTR	3.261	-0.363	1.000	11.11%	2.000	3.000	3.000
468.000	1.441	-0.711	5.000	15.38%	4.000	4.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
468.000	0.250	-2.000	1.000	50.00%	1.000	1.000	
AGE	0.000	0.526	-3.205	4.27%	-1.205	-0.205	-0.205
234.000	3.180	0.136	4.795	2.56%	0.795	1.795	
RGENDER	0.509	-0.034	0.000	49.15%	0.000	0.000	1.000
234.000	0.250	-1.999	1.000	50.85%	1.000	1.000	
RFAMILIAR	0.466	0.137	0.000	53.42%	0.000	0.000	0.000
234.000	0.249	-1.981	1.000	46.58%	1.000	1.000	
NFC	0.000	-0.374	-2.248	0.43%	-0.521	-0.066	0.025
234.000	0.455	0.181	1.570	0.43%	0.207	0.479	
AFFEMP	0.000	0.015	-1.721	0.85%	-0.471	-0.221	0.029
234.000	0.408	0.026	1.779	0.43%	0.279	0.529	
SURGENCY	0.000	-0.423	-2.306	0.43%	-0.528	-0.084	0.028
234.000	0.469	0.076	1.472	0.85%	0.250	0.583	
SPS	0.000	-0.244	-2.845	0.85%	-0.761	-0.261	-0.011
234.000	0.779	0.003	1.989	0.43%	0.239	0.739	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 11

Loglikelihood

H0 Value	-688.392
H0 Scaling Correction Factor for MLR	1.1386
H1 Value	-688.392
H1 Scaling Correction Factor for MLR	1.1386

Information Criteria

Akaike (AIC)	1398.784
Bayesian (BIC)	1444.417
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1409.505

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	15.214
Degrees of Freedom	8
P-Value	0.0551

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
CONCENTR ON				
CLPCONTR	0.128	0.069	1.851	0.064
Residual Variances				
CONCENTR	0.560	0.086	6.505	0.000

Between Level

CONCENTR ON				
RFAMILIAR	-0.340	0.139	-2.436	0.015
RGENDER	-0.215	0.140	-1.536	0.125
AGE	0.014	0.040	0.345	0.730
NFC	0.134	0.115	1.166	0.244
AFFEMP	-0.058	0.118	-0.496	0.620
SURGENCY	0.100	0.090	1.112	0.266
SPS	-0.007	0.088	-0.075	0.941
Intercepts				
CONCENTR	3.464	0.122	28.286	0.000
Residual Variances				
CONCENTR	0.819	0.109	7.489	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.220E-03

5.2 Cognitive effort

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:17 AM

INPUT INSTRUCTIONS

  Title: Full model, cognitive effort

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Effort ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  SEffort | Effort on ClpContR;

  %between%
  Effort on RFamiliar RGender Age NfC AffEmp Surgency SPS;
  SEffort;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Full model, cognitive effort

SUMMARY OF ANALYSIS

Number of groups                                 1
```

Number of observations 468

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 1

Observed dependent variables

Continuous
EFFORT

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Continuous latent variables
SEFFORT

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 234

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation	Variable	Intraclass Correlation
EFFORT	0.756		

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
EFFORT	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
1	0.000	0.500	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
EFFORT	0.303				
CLPCONTR	0.013	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
EFFORT	1.000				
CLPCONTR	0.047	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	

SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
1	1.885	0.000	0.000	0.509	0.466

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
EFFORT	0.936				
CLPCONTR	0.000	0.000			
AGE	0.436	0.000	3.180		
RGENDER	-0.037	0.000	-0.023	0.250	
RFAMILIA	-0.119	0.000	0.003	0.011	0.249
NFC	0.035	0.000	0.122	0.011	-0.021
AFFEMP	-0.032	0.000	-0.114	-0.024	-0.022
SURGENCY	0.010	0.000	-0.048	-0.013	0.031
SPS	-0.014	0.000	0.021	-0.063	-0.037

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.455			
AFFEMP	-0.038	0.408		
SURGENCY	0.039	-0.005	0.469	
SPS	-0.089	0.284	-0.070	0.779

Correlations

	EFFORT	CLPCONTR	AGE	RGENDER	RFAMILIA
EFFORT	1.000				
CLPCONTR	0.000	0.000			
AGE	0.253	0.000	1.000		
RGENDER	-0.077	0.000	-0.026	1.000	
RFAMILIA	-0.247	0.000	0.003	0.044	1.000
NFC	0.054	0.000	0.102	0.034	-0.064
AFFEMP	-0.052	0.000	-0.100	-0.075	-0.069
SURGENCY	0.016	0.000	-0.039	-0.037	0.092
SPS	-0.016	0.000	0.013	-0.144	-0.085

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	-0.088	1.000		
SURGENCY	0.085	-0.011	1.000	
SPS	-0.150	0.503	-0.116	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -600.540

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
EFFORT	1.885	1.037	1.000	52.35%	1.000	1.000	1.000
468.000	1.239	0.036	5.000	2.56%	2.000	3.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
468.000	0.250	-2.000	1.000	50.00%	1.000	1.000	
AGE	0.000	0.526	-3.205	4.27%	-1.205	-0.205	-0.205
234.000	3.180	0.136	4.795	2.56%	0.795	1.795	
RGENDER	0.509	-0.034	0.000	49.15%	0.000	0.000	1.000
234.000	0.250	-1.999	1.000	50.85%	1.000	1.000	
RFAMILIAR	0.466	0.137	0.000	53.42%	0.000	0.000	0.000
234.000	0.249	-1.981	1.000	46.58%	1.000	1.000	
NFC	0.000	-0.374	-2.248	0.43%	-0.521	-0.066	0.025
234.000	0.455	0.181	1.570	0.43%	0.207	0.479	
AFFEMP	0.000	0.015	-1.721	0.85%	-0.471	-0.221	0.029
234.000	0.408	0.026	1.779	0.43%	0.279	0.529	
SURGENCY	0.000	-0.423	-2.306	0.43%	-0.528	-0.084	0.028
234.000	0.469	0.076	1.472	0.85%	0.250	0.583	
SPS	0.000	-0.244	-2.845	0.85%	-0.761	-0.261	-0.011
234.000	0.779	0.003	1.989	0.43%	0.239	0.739	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 12

Loglikelihood

H0 Value -599.115
H0 Scaling Correction Factor for MLR 1.0409

Information Criteria

Akaike (AIC)	1222.230
Bayesian (BIC)	1272.012
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1233.926

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
EFFORT	0.217	0.048	4.562	0.000
Between Level				
EFFORT ON				
RFAMILIAR	-0.509	0.127	-4.020	0.000
RGENDER	-0.121	0.129	-0.940	0.347
AGE	0.133	0.036	3.660	0.000
NFC	0.000	0.097	0.003	0.997
AFFEMP	-0.043	0.108	-0.395	0.693
SURGENCY	0.059	0.097	0.606	0.544
SPS	-0.028	0.078	-0.355	0.723
Means				
SEFFORT	0.051	0.051	1.009	0.313
Intercepts				
EFFORT	2.157	0.121	17.794	0.000
Variances				
SEFFORT	0.170	0.089	1.913	0.056
Residual Variances				
EFFORT	0.811	0.099	8.150	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.840E-04

5.3 Positive emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:18 AM

INPUT INSTRUCTIONS

  Title: Full model, positive emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = PosEmo ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  SPosEmo | PosEmo on ClpContR;

  %between%
  PosEmo on RFamiliar RGender Age NfC AffEmp Surgency SPS;
  SPosEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;


Full model, positive emotions

SUMMARY OF ANALYSIS

Number of groups                                 1
```

Number of observations 468

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 1

Observed dependent variables

Continuous
POSEMO

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Continuous latent variables
SPOSEMO

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 234

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation	Variable	Intraclass Correlation
POSEMO	0.415		

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
POSEMO	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
1	0.000	0.500	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
POSEMO	0.487				
CLPCONTR	-0.126	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
POSEMO	1.000				
CLPCONTR	-0.362	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	

SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
1	3.546	0.000	0.000	0.509	0.466

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
POSEMO	0.345				
CLPCONTR	0.000	0.000			
AGE	-0.062	0.000	3.180		
RGENDER	0.004	0.000	-0.023	0.250	
RFAMILIA	0.048	0.000	0.003	0.011	0.249
NFC	0.028	0.000	0.122	0.011	-0.021
AFFEMP	0.022	0.000	-0.114	-0.024	-0.022
SURGENCY	0.042	0.000	-0.048	-0.013	0.031
SPS	0.036	0.000	0.021	-0.063	-0.037

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.455			
AFFEMP	-0.038	0.408		
SURGENCY	0.039	-0.005	0.469	
SPS	-0.089	0.284	-0.070	0.779

Correlations

	POSEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
POSEMO	1.000				
CLPCONTR	0.000	0.000			
AGE	-0.059	0.000	1.000		
RGENDER	0.012	0.000	-0.026	1.000	
RFAMILIA	0.165	0.000	0.003	0.044	1.000
NFC	0.071	0.000	0.102	0.034	-0.064
AFFEMP	0.060	0.000	-0.100	-0.075	-0.069
SURGENCY	0.105	0.000	-0.039	-0.037	0.092
SPS	0.069	0.000	0.013	-0.144	-0.085

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	-0.088	1.000		
SURGENCY	0.085	-0.011	1.000	
SPS	-0.150	0.503	-0.116	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -571.725

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
POSEMO	3.546	-0.410	1.000	0.43%	2.667	3.333	3.667
468.000	0.832	-0.447	5.000	8.33%	4.000	4.333	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
468.000	0.250	-2.000	1.000	50.00%	1.000	1.000	
AGE	0.000	0.526	-3.205	4.27%	-1.205	-0.205	-0.205
234.000	3.180	0.136	4.795	2.56%	0.795	1.795	
RGENDER	0.509	-0.034	0.000	49.15%	0.000	0.000	1.000
234.000	0.250	-1.999	1.000	50.85%	1.000	1.000	
RFAMILIAR	0.466	0.137	0.000	53.42%	0.000	0.000	0.000
234.000	0.249	-1.981	1.000	46.58%	1.000	1.000	
NFC	0.000	-0.374	-2.248	0.43%	-0.521	-0.066	0.025
234.000	0.455	0.181	1.570	0.43%	0.207	0.479	
AFFEMP	0.000	0.015	-1.721	0.85%	-0.471	-0.221	0.029
234.000	0.408	0.026	1.779	0.43%	0.279	0.529	
SURGENCY	0.000	-0.423	-2.306	0.43%	-0.528	-0.084	0.028
234.000	0.469	0.076	1.472	0.85%	0.250	0.583	
SPS	0.000	-0.244	-2.845	0.85%	-0.761	-0.261	-0.011
234.000	0.779	0.003	1.989	0.43%	0.239	0.739	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 12

Loglikelihood

H0 Value -562.955
H0 Scaling Correction Factor for MLR 1.0053

Information Criteria

Akaike (AIC)	1149.909
Bayesian (BIC)	1199.691
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1161.605

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
POSEMO	0.240	0.056	4.255	0.000
Between Level				
POSEMO ON				
RFAMILIAR	0.190	0.094	2.020	0.043
RGENDER	0.017	0.095	0.179	0.858
AGE	-0.015	0.027	-0.557	0.577
NFC	0.115	0.077	1.501	0.133
AFFEMP	0.018	0.078	0.233	0.816
SURGENCY	0.057	0.065	0.873	0.383
SPS	0.069	0.058	1.192	0.233
Means				
SPOSEMO	-0.506	0.060	-8.409	0.000
Intercepts				
POSEMO	3.702	0.087	42.541	0.000
Variances				
SPOSEMO	0.366	0.075	4.877	0.000
Residual Variances				
POSEMO	0.326	0.052	6.302	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.249E-01

5.4 Negative emotions

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:22 AM

INPUT INSTRUCTIONS

  Title: Full model, negative emotions

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = NegEmo ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  SNegEmo | NegEmo on ClpContR;

  %between%
  NegEmo on RFamiliar RGender Age NfC AffEmp Surgency SPS;
  SNegEmo;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



Full model, negative emotions

SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 468

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 1

Observed dependent variables

Continuous
NEGEMO

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Continuous latent variables
SNEGEMO

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 234

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation	Variable	Intraclass Correlation
NEGEMO	0.249		

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
NEGEMO	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
1	0.000	0.500	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
NEGEMO	0.102				
CLPCONTR	0.051	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
NEGEMO	1.000				
CLPCONTR	0.319	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		

SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
1	1.177	0.000	0.000	0.509	0.466

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
NEGEMO	0.034				
CLPCONTR	0.000	0.000			
AGE	0.016	0.000	3.180		
RGENDER	-0.018	0.000	-0.023	0.250	
RFAMILIA	-0.019	0.000	0.003	0.011	0.249
NFC	0.008	0.000	0.122	0.011	-0.021
AFFEMP	0.003	0.000	-0.114	-0.024	-0.022
SURGENCY	-0.009	0.000	-0.048	-0.013	0.031
SPS	0.003	0.000	0.021	-0.063	-0.037

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.455			
AFFEMP	-0.038	0.408		
SURGENCY	0.039	-0.005	0.469	
SPS	-0.089	0.284	-0.070	0.779

Correlations

	NEGEMO	CLPCONTR	AGE	RGENDER	RFAMILIA
NEGEMO	1.000				
CLPCONTR	0.000	0.000			
AGE	0.050	0.000	1.000		
RGENDER	-0.199	0.000	-0.026	1.000	
RFAMILIA	-0.210	0.000	0.003	0.044	1.000
NFC	0.065	0.000	0.102	0.034	-0.064
AFFEMP	0.028	0.000	-0.100	-0.075	-0.069
SURGENCY	-0.073	0.000	-0.039	-0.037	0.092
SPS	0.016	0.000	0.013	-0.144	-0.085

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	-0.088	1.000		
SURGENCY	0.085	-0.011	1.000	
SPS	-0.150	0.503	-0.116	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -164.288

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
NEGEMO	1.177	2.734	1.000	72.65%	1.000	1.000	1.000
468.000	0.135	8.807	3.667	0.21%	1.000	1.333	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
468.000	0.250	-2.000	1.000	50.00%	1.000	1.000	
AGE	0.000	0.526	-3.205	4.27%	-1.205	-0.205	-0.205
234.000	3.180	0.136	4.795	2.56%	0.795	1.795	
RGENDER	0.509	-0.034	0.000	49.15%	0.000	0.000	1.000
234.000	0.250	-1.999	1.000	50.85%	1.000	1.000	
RFAMILIAR	0.466	0.137	0.000	53.42%	0.000	0.000	0.000
234.000	0.249	-1.981	1.000	46.58%	1.000	1.000	
NFC	0.000	-0.374	-2.248	0.43%	-0.521	-0.066	0.025
234.000	0.455	0.181	1.570	0.43%	0.207	0.479	
AFFEMP	0.000	0.015	-1.721	0.85%	-0.471	-0.221	0.029
234.000	0.408	0.026	1.779	0.43%	0.279	0.529	
SURGENCY	0.000	-0.423	-2.306	0.43%	-0.528	-0.084	0.028
234.000	0.469	0.076	1.472	0.85%	0.250	0.583	
SPS	0.000	-0.244	-2.845	0.85%	-0.761	-0.261	-0.011
234.000	0.779	0.003	1.989	0.43%	0.239	0.739	

THE MODEL ESTIMATION TERMINATED NORMALLY

WARNING: OUTLIER MEASURES COULD NOT BE COMPUTED FOR SOME OBSERVATIONS DUE TO CONVERGENCE PROBLEMS. THESE MEASURES ARE RECORDED AS 999.

MODEL FIT INFORMATION

Number of Free Parameters 12

Loglikelihood

H0 Value -73.035
H0 Scaling Correction Factor 1.6664
for MLR

Information Criteria

Akaike (AIC) 170.069
Bayesian (BIC) 219.851
Sample-Size Adjusted BIC 181.765
(n* = (n + 2) / 24)

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
Residual Variances				
NEGEMO	0.003	0.006	0.550	0.583
Between Level				
NEGEMO ON				
RFAMILIAR	-0.043	0.026	-1.686	0.092
RGENDER	-0.056	0.025	-2.267	0.023
AGE	-0.006	0.005	-1.204	0.229
NFC	-0.010	0.018	-0.553	0.580
AFFEMP	-0.021	0.018	-1.119	0.263
SURGENCY	-0.006	0.021	-0.270	0.787
SPS	0.008	0.018	0.412	0.680
Means				
SNEGEMO	0.204	0.028	7.282	0.000
Intercepts				
NEGEMO	1.124	0.024	46.079	0.000
Variances				
SNEGEMO	0.177	0.035	5.066	0.000
Residual Variances				
NEGEMO	0.032	0.008	3.820	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix 0.634E-05
(ratio of smallest to largest eigenvalue)

5.5 Self-reported arousal

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Mplus VERSION 7.31
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07/19/2017  11:25 AM

INPUT INSTRUCTIONS

  Title: Full model, arousal

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = Arousal ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  Arousal on ClpContR;

  %between%
  Arousal on RFamiliar RGender Age NfC AffEmp Surgency SPS;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



Full model, arousal

SUMMARY OF ANALYSIS

Number of groups                                 1
```

Number of observations 468

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 0

Observed dependent variables

Continuous
AROUSAL

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 234

Average cluster size 2.000

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
AROUSAL	0.648

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
AROUSAL	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA

1	0.000	0.500	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
AROUSAL	0.370				
CLPCONTR	-0.046	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
AROUSAL	1.000				
CLPCONTR	-0.151	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
1	2.143	0.000	0.000	0.509	0.466

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
AROUSAL	0.680				
CLPCONTR	0.000	0.000			
AGE	0.097	0.000	3.180		
RGENDER	-0.019	0.000	-0.023	0.250	
RFAMILIA	-0.009	0.000	0.003	0.011	0.249
NFC	0.050	0.000	0.122	0.011	-0.021
AFFEMP	-0.003	0.000	-0.114	-0.024	-0.022
SURGENCY	-0.030	0.000	-0.048	-0.013	0.031
SPS	0.023	0.000	0.021	-0.063	-0.037

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.455			
AFFEMP	-0.038	0.408		
SURGENCY	0.039	-0.005	0.469	
SPS	-0.089	0.284	-0.070	0.779

Correlations

	AROUSAL	CLPCONTR	AGE	RGENDER	RFAMILIA
AROUSAL	1.000				
CLPCONTR	0.000	0.000			
AGE	0.066	0.000	1.000		
RGENDER	-0.047	0.000	-0.026	1.000	
RFAMILIA	-0.022	0.000	0.003	0.044	1.000
NFC	0.089	0.000	0.102	0.034	-0.064
AFFEMP	-0.006	0.000	-0.100	-0.075	-0.069
SURGENCY	-0.054	0.000	-0.039	-0.037	0.092
SPS	0.032	0.000	0.013	-0.144	-0.085

Correlations

	NFC	AFFEMP	SURGENCY	SPS

NFC	1.000			
AFFEMP	-0.088	1.000		
SURGENCY	0.085	-0.011	1.000	
SPS	-0.150	0.503	-0.116	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -606.814

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
AROUSAL	2.143	0.498	1.000	33.55%	1.000	2.000	2.000
468.000	1.050	-0.611	5.000	1.28%	2.000	3.000	
CLPCONTR	0.500	0.000	0.000	50.00%	0.000	0.000	0.500
468.000	0.250	-2.000	1.000	50.00%	1.000	1.000	
AGE	0.000	0.526	-3.205	4.27%	-1.205	-0.205	-0.205
234.000	3.180	0.136	4.795	2.56%	0.795	1.795	
RGENDER	0.509	-0.034	0.000	49.15%	0.000	0.000	1.000
234.000	0.250	-1.999	1.000	50.85%	1.000	1.000	
RFAMILIAR	0.466	0.137	0.000	53.42%	0.000	0.000	0.000
234.000	0.249	-1.981	1.000	46.58%	1.000	1.000	
NFC	0.000	-0.374	-2.248	0.43%	-0.521	-0.066	0.025
234.000	0.455	0.181	1.570	0.43%	0.207	0.479	
AFFEMP	0.000	0.015	-1.721	0.85%	-0.471	-0.221	0.029
234.000	0.408	0.026	1.779	0.43%	0.279	0.529	
SURGENCY	0.000	-0.423	-2.306	0.43%	-0.528	-0.084	0.028
234.000	0.469	0.076	1.472	0.85%	0.250	0.583	
SPS	0.000	-0.244	-2.845	0.85%	-0.761	-0.261	-0.011
234.000	0.779	0.003	1.989	0.43%	0.239	0.739	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 11

Loglikelihood

H0 Value	-606.814
H0 Scaling Correction Factor for MLR	1.1257
H1 Value	-606.814
H1 Scaling Correction Factor for MLR	1.1257

Information Criteria

Akaike (AIC)	1235.627
Bayesian (BIC)	1281.260
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	1246.349

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	1.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	13.095
Degrees of Freedom	8
P-Value	0.1086

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
AROUSAL ON				
CLPCONTR	-0.184	0.056	-3.305	0.001
Residual Variances				
AROUSAL	0.361	0.052	6.982	0.000

Between Level

AROUSAL ON				
RFAMILIAR	-0.011	0.125	-0.087	0.931
RGENDER	-0.076	0.121	-0.630	0.529
AGE	0.023	0.033	0.700	0.484
NFC	0.115	0.098	1.183	0.237
AFFEMP	-0.023	0.122	-0.189	0.850
SURGENCY	-0.068	0.086	-0.789	0.430
SPS	0.038	0.083	0.455	0.649
Intercepts				
AROUSAL	2.279	0.101	22.485	0.000
Residual Variances				
AROUSAL	0.668	0.072	9.264	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.206E-01

5.6 Skin conductance level

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:41 AM

INPUT INSTRUCTIONS

  Title: Full model, SCL

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = SCL ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  SCL on ClpContR;

  %between%
  SCL on RFamiliar RGender Age NfC AffEmp Surgency SPS;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



Full model, SCL

SUMMARY OF ANALYSIS

Number of groups                                 1
```

Number of observations 406

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 0

Observed dependent variables

Continuous
SCL

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 205

Average cluster size 1.980

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
SCL	0.947

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
SCL	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

SCL	CLPCONTR	AGE	RGENDER	RFAMILIA

1	0.000	0.498	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
SCL	3.569				
CLPCONTR	0.193	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
SCL	1.000				
CLPCONTR	0.204	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
1	19.331	0.000	0.000	0.512	0.468

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.002	0.000	0.008	-0.003

Covariances

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
SCL	63.641				
CLPCONTR	0.000	0.000			
AGE	-3.254	0.000	3.149		
RGENDER	0.167	0.000	-0.006	0.250	
RFAMILIA	-0.244	0.000	0.041	0.014	0.249
NFC	0.092	0.000	0.089	0.004	-0.024
AFFEMP	0.001	0.000	-0.133	-0.020	-0.021
SURGENCY	0.231	0.000	-0.059	-0.013	0.017
SPS	0.250	0.000	0.056	-0.068	-0.023

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.439			
AFFEMP	-0.019	0.412		
SURGENCY	0.051	0.004	0.462	
SPS	-0.065	0.264	-0.058	0.737

Correlations

	SCL	CLPCONTR	AGE	RGENDER	RFAMILIA
SCL	1.000				
CLPCONTR	0.000	0.000			
AGE	-0.230	0.000	1.000		
RGENDER	0.042	0.000	-0.007	1.000	
RFAMILIA	-0.061	0.000	0.047	0.055	1.000
NFC	0.017	0.000	0.075	0.013	-0.074
AFFEMP	0.000	0.000	-0.116	-0.061	-0.066
SURGENCY	0.043	0.000	-0.049	-0.038	0.051
SPS	0.036	0.000	0.037	-0.157	-0.054

Correlations

	NFC	AFFEMP	SURGENCY	SPS

NFC	1.000			
AFFEMP	-0.044	1.000		
SURGENCY	0.112	0.008	1.000	
SPS	-0.114	0.479	-0.099	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1191.009

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
SCL	19.292	0.727	5.600	0.25%	11.990	15.690	18.095
406.000	67.527	0.226	51.640	0.25%	20.520	25.250	
CLPCONTR	0.498	0.010	0.000	50.25%	0.000	0.000	0.000
406.000	0.250	-2.000	1.000	49.75%	1.000	1.000	
AGE	0.000	0.478	-3.307	3.90%	-1.307	-0.307	-0.307
205.000	3.149	0.043	4.693	2.44%	0.693	1.693	
RGENDER	0.512	-0.049	0.000	48.78%	0.000	0.000	1.000
205.000	0.250	-1.998	1.000	51.22%	1.000	1.000	
RFAMILIAR	0.468	0.127	0.000	53.17%	0.000	0.000	0.000
205.000	0.249	-1.984	1.000	46.83%	1.000	1.000	
NFC	0.002	-0.358	-2.245	0.49%	-0.517	-0.154	0.028
205.000	0.439	0.264	1.574	0.49%	0.210	0.483	
AFFEMP	0.000	0.015	-1.717	0.98%	-0.467	-0.217	0.033
205.000	0.412	0.116	1.783	0.49%	0.283	0.533	
SURGENCY	0.008	-0.484	-2.305	0.49%	-0.527	-0.083	0.028
205.000	0.462	0.180	1.473	0.49%	0.251	0.584	
SPS	-0.003	-0.295	-2.810	0.98%	-0.727	-0.227	0.023
205.000	0.737	0.113	1.857	0.49%	0.273	0.773	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 11

Loglikelihood

H0 Value	-1191.009
H0 Scaling Correction Factor for MLR	1.0498
H1 Value	-1191.009
H1 Scaling Correction Factor for MLR	1.0498

Information Criteria

Akaike (AIC)	2404.019
Bayesian (BIC)	2448.089
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2413.184

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	30.701
Degrees of Freedom	8
P-Value	0.0002

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
SCL ON				
CLPCONTR	0.772	0.184	4.188	0.000
Residual Variances				
SCL	3.422	0.454	7.536	0.000

Between Level

SCL	ON			
	RFAMILIAR	-0.839	1.109	-0.757	0.449
	RGENDER	0.871	1.088	0.801	0.423
	AGE	-1.075	0.315	-3.408	0.001
	NFC	0.404	0.724	0.559	0.576
	AFFEMP	-0.883	0.848	-1.041	0.298
	SURGENCY	0.489	0.744	0.657	0.511
	SPS	0.864	0.759	1.139	0.255
Intercepts					
	SCL	18.891	0.991	19.070	0.000
Residual Variances					
	SCL	59.424	6.860	8.663	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.134E-02

5.7 Heart rate

```
Mplus VERSION 7.31
MUTHEN & MUTHEN
07/19/2017  11:45 AM

INPUT INSTRUCTIONS

  Title: Full model, HR

  DATA: FILE IS MLM 6.dat;

  VARIABLE:
NAMES ARE id FamNr ChildNr Idchild Age RGender
CndtnR ClpContR Effort Concentr PosEmo NegEmo
Arousal SCL HR RFamiliar Manip1 Manip2 DETV
DEViolTV NfC AffEmp Surgency SPS;


  CLUSTER = id;
  USEVARIABLES = HR ClpContR Age RGender
  RFamiliar NfC AffEmp Surgency SPS;
  WITHIN = ClpContR;
  BETWEEN = RFamiliar RGender Age NfC AffEmp Surgency SPS;
  MISSING ARE ALL (999);

  DEFINE: CENTER Age NfC AffEmp Surgency SPS (GRANDMEAN);

  ANALYSIS:
  type = twolevel random;
  estimator = mlr;

  MODEL:
  %within%
  HR on ClpContR;

  %between%
  HR on RFamiliar RGender Age NfC AffEmp Surgency SPS;

  OUTPUT: Sampstat Tech1 STANDARDIZED (STDYX);

  SAVEDATA: FILE IS MLM 6 Cooks all indiv diffs.dat;
  SAVE = INFLUENCE COOKS;

  PLOT:
  TYPE = PLOT3;
  OUTLIERS ARE LOGLIKELIHOOD INFLUENCE COOKS;



Full model, HR


SUMMARY OF ANALYSIS
```

Number of groups 1
Number of observations 429

Number of dependent variables 1
Number of independent variables 8
Number of continuous latent variables 0

Observed dependent variables

Continuous
HR

Observed independent variables
CLPCONTR AGE RGENDER RFAMILIA NFC AFFEMP
SURGENCY SPS

Variables with special functions

Cluster variable ID

Within variables
CLPCONTR

Between variables
AGE RGENDER RFAMILIA NFC AFFEMP SURGENCY
SPS

Centering (GRANDMEAN)
NFC AFFEMP SURGENCY SPS

Estimator MLR
Information matrix OBSERVED
Maximum number of iterations 100
Convergence criterion 0.100D-05
Maximum number of EM iterations 500
Convergence criteria for the EM algorithm
Loglikelihood change 0.100D-02
Relative loglikelihood change 0.100D-05
Derivative 0.100D-03
Minimum variance 0.100D-03
Maximum number of steepest descent iterations 20
Maximum number of iterations for H1 2000
Convergence criterion for H1 0.100D-03
Optimization algorithm EMA

Input data file(s)
C:\Users\kfikker1\Dropbox\Projecten\Nemo Project\Hoofdstudie\ Data en analyses
Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1
Number of clusters 215

Average cluster size 1.995

Estimated Intraclass Correlations for the Y Variables

Variable	Intraclass Correlation
HR	0.964

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

PROPORTION OF DATA PRESENT

Covariance Coverage

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
HR	1.000				
CLPCONTR	1.000	1.000			
AGE	1.000	1.000	1.000		
RGENDER	1.000	1.000	1.000	1.000	
RFAMILIA	1.000	1.000	1.000	1.000	1.000
NFC	1.000	1.000	1.000	1.000	1.000
AFFEMP	1.000	1.000	1.000	1.000	1.000
SURGENCY	1.000	1.000	1.000	1.000	1.000
SPS	1.000	1.000	1.000	1.000	1.000

Covariance Coverage

	NFC	AFFEMP	SURGENCY	SPS
NFC	1.000			
AFFEMP	1.000	1.000		
SURGENCY	1.000	1.000	1.000	
SPS	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

NOTE: The sample statistics for within and between refer to the maximum-likelihood estimated within and between covariance matrices, respectively.

ESTIMATED SAMPLE STATISTICS FOR WITHIN

Means

HR	CLPCONTR	AGE	RGENDER	RFAMILIA

1	0.000	0.499	0.000	0.000	0.000

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.000	0.000	0.000

Covariances

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
HR	3.015				
CLPCONTR	-0.326	0.250			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

Correlations

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
HR	1.000				
CLPCONTR	-0.376	1.000			
AGE	0.000	0.000	0.000		
RGENDER	0.000	0.000	0.000	0.000	
RFAMILIA	0.000	0.000	0.000	0.000	0.000
NFC	0.000	0.000	0.000	0.000	0.000
AFFEMP	0.000	0.000	0.000	0.000	0.000
SURGENCY	0.000	0.000	0.000	0.000	0.000
SPS	0.000	0.000	0.000	0.000	0.000

Correlations

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.000			
AFFEMP	0.000	0.000		
SURGENCY	0.000	0.000	0.000	
SPS	0.000	0.000	0.000	0.000

ESTIMATED SAMPLE STATISTICS FOR BETWEEN

Means

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
1	78.249	0.000	0.000	0.516	0.484

Means

	NFC	AFFEMP	SURGENCY	SPS
1	0.000	0.001	0.001	0.002

Covariances

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
HR	79.653				
CLPCONTR	0.000	0.000			
AGE	-1.093	0.000	3.236		
RGENDER	-0.140	0.000	-0.035	0.250	
RFAMILIA	0.354	0.000	-0.002	0.015	0.250
NFC	-0.789	0.000	0.070	0.012	-0.028
AFFEMP	0.536	0.000	-0.098	-0.024	-0.019
SURGENCY	-0.412	0.000	-0.071	-0.003	0.035
SPS	0.156	0.000	0.035	-0.081	-0.035

Covariances

	NFC	AFFEMP	SURGENCY	SPS
NFC	0.429			
AFFEMP	-0.027	0.397		
SURGENCY	0.032	-0.007	0.479	
SPS	-0.092	0.249	-0.080	0.721

Correlations

	HR	CLPCONTR	AGE	RGENDER	RFAMILIA
HR	1.000				
CLPCONTR	0.000	0.000			
AGE	-0.068	0.000	1.000		
RGENDER	-0.031	0.000	-0.039	1.000	
RFAMILIA	0.079	0.000	-0.003	0.062	1.000
NFC	-0.135	0.000	0.059	0.038	-0.084
AFFEMP	0.095	0.000	-0.087	-0.075	-0.061
SURGENCY	-0.067	0.000	-0.057	-0.007	0.101
SPS	0.021	0.000	0.023	-0.191	-0.083

Correlations

	NFC	AFFEMP	SURGENCY	SPS

NFC	1.000			
AFFEMP	-0.066	1.000		
SURGENCY	0.071	-0.016	1.000	
SPS	-0.165	0.465	-0.137	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -1252.496

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size	Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles 20%/60%	40%/80%	Median
HR	78.258	0.301	53.500	0.23%	71.200	75.500	77.500
429.000	82.807	0.410	108.200	0.23%	79.800	85.500	
CLPCONTR	0.499	0.005	0.000	50.12%	0.000	0.000	0.000
429.000	0.250	-2.000	1.000	49.88%	1.000	1.000	
AGE	0.000	0.502	-3.284	4.19%	-1.284	-0.284	-0.284
215.000	3.236	0.081	4.716	2.79%	0.716	1.716	
RGENDER	0.516	-0.065	0.000	48.37%	0.000	0.000	1.000
215.000	0.250	-1.996	1.000	51.63%	1.000	1.000	
RFAMILIAR	0.484	0.065	0.000	51.63%	0.000	0.000	0.000
215.000	0.250	-1.996	1.000	48.37%	1.000	1.000	
NFC	0.000	-0.350	-2.265	0.47%	-0.538	-0.083	0.008
215.000	0.429	0.161	1.553	0.47%	0.280	0.462	
AFFEMP	0.001	0.058	-1.709	0.47%	-0.459	-0.209	0.041
215.000	0.397	0.013	1.791	0.47%	0.291	0.541	
SURGENCY	0.001	-0.475	-2.313	0.47%	-0.535	-0.091	0.131
215.000	0.479	0.118	1.465	0.93%	0.242	0.576	
SPS	0.002	-0.162	-2.834	0.47%	-0.751	-0.251	-0.001
215.000	0.721	-0.136	1.832	0.93%	0.249	0.749	

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 11

Loglikelihood

H0 Value	-1252.496
H0 Scaling Correction Factor for MLR	1.0545
H1 Value	-1252.496
H1 Scaling Correction Factor for MLR	1.0545

Information Criteria

Akaike (AIC)	2526.993
Bayesian (BIC)	2571.669
Sample-Size Adjusted BIC (n* = (n + 2) / 24)	2536.762

Chi-Square Test of Model Fit

Value	0.000*
Degrees of Freedom	0
P-Value	0.0000
Scaling Correction Factor for MLR	1.0000

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	69.214
Degrees of Freedom	8
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value for Within	0.000
Value for Between	0.000

MODEL RESULTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Within Level				
HR ON				
CLPCONTR	-1.305	0.156	-8.390	0.000
Residual Variances				
HR	2.590	0.324	7.985	0.000

Between Level

HR	ON			
	RFAMILIAR	1.444	1.165	1.239	0.215
	RGENDER	-0.675	1.216	-0.555	0.579
	AGE	-0.275	0.307	-0.896	0.371
	NFC	-1.643	0.979	-1.678	0.093
	AFFEMP	1.583	0.983	1.611	0.107
	SURGENCY	-0.983	0.849	-1.157	0.247
	SPS	-0.641	0.907	-0.707	0.480
Intercepts					
	HR	78.551	0.975	80.571	0.000
Residual Variances					
	HR	76.296	7.586	10.057	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.105E-03

MUTHEN & MUTHEN
3463 Stoner Ave.
Los Angeles, CA 90066

Tel: (310) 391-9971
Fax: (310) 391-8971
Web: www.StatModel.com
Support: Support@StatModel.com