

Mplus VERSION 7.11 (Mac)
MUTHEN & MUTHEN
12/06/2016 6:40 PM

INPUT INSTRUCTIONS

TITLE:

m3, b1, free recall, PEK average, LGM, aehplus Conditional, male

DATA:

File = /Users/andreazammit/Desktop/EASMaster.csv;

VARIABLE:

Names are

SubjectID Sex Ethnic Caus DemEver Bagesq deathage DEM023
Educyrs Status
Wave_1 Wave_2 Wave_3 Wave_4 Wave_5 Wave_6 Wave_7 Wave_8
Wave_9 Wave_10
AgeAtWaveOne AgeAtWave_2 AgeAtWave_3 AgeAtWave_4
AgeAtWave_5 AgeAtWave_6
AgeAtWave_7
AgeAtWave_8 AgeAtWave_9 AgeAtWave_10
YrsSinceBaseline_1 YrsSinceBaseline_2 YrsSinceBaseline_3
YrsSinceBaseline_4
YrsSinceBaseline_5 YrsSinceBaseline_6 YrsSinceBaseline_7
YrsSinceBaseline_8
YrsSinceBaseline_9 YrsSinceBaseline_10
Blessd_1 Blessd_2 Blessd_3 Blessd_4 Blessd_5 Blessd_6
Blessd_7
Blessd_8 Blessd_9 Blessd_10
MMS_1 MMS_2 MMS_3 MMS_4 MMS_5 MMS_6 MMS_7 MMS_8 MMS_9
MMS_10
GDSScore_1 GDSScore_2 GDSScore_3 GDSScore_4 GDSScore_5
GDSScore_6 GDSScore_7
GDSScore_8 GDSScore_9 GDSScore_10
FreeRecall_1 FreeRecall_2 FreeRecall_3 FreeRecall_4
FreeRecall_5
FreeRecall_6 FreeRecall_7 FreeRecall_8 FreeRecall_9
FreeRecall_10
TotRecall_1 TotRecall_2 TotRecall_3 TotRecall_4
TotRecall_5 TotRecall_6
TotRecall_7
TotRecall_8 TotRecall_9 TotRecall_10
DelFreeRecall_1 DelFreeRecall_2 DelFreeRecall_3
DelFreeRecall_4 DelFreeRecall_5
DelFreeRecall_6 DelFreeRecall_7 DelFreeRecall_8
DelFreeRecall_9 DelFreeRecall_10
DelTotRecall_1 DelTotRecall_2 DelTotRecall_3
DelTotRecall_4 DelTotRecall_5
DelTotRecall_6 DelTotRecall_7 DelTotRecall_8

DelTotRecall_9 DelTotRecall_10
BostonFree_1 BostonFree_2 BostonFree_3 BostonFree_4
BostonFree_5
BostonFree_6 BostonFree_7 BostonFree_8 BostonFree_9
BostonFree_10
Infraw_1 Infraw_2 Infraw_3 Infraw_4 Infraw_5 Infraw_6
Infraw_7
Infraw_8 Infraw_9 Infraw_10
Vocraw_1 Vocraw_2 Vocraw_3 Vocraw_4 Vocraw_5 Vocraw_6
Vocraw_7
Vocraw_8 Vocraw_9 Vocraw_10
Spnraw_1 Spnraw_2 Spnraw_3 Spnraw_4 Spnraw_5 Spnraw_6
Spnraw_7
Spnraw_8 Spnraw_9 Spnraw_10
DSpnAgeScaledScore_1 DSpnAgeScaledScore_2
DSpnAgeScaledScore_3
DSpnAgeScaledScore_4 DSpnAgeScaledScore_5
DSpnAgeScaledScore_6
DSpnAgeScaledScore_7 DSpnAgeScaledScore_8
DSpnAgeScaledScore_9
DSpnAgeScaledScore_10
Symraw_1 Symraw_2 Symraw_3 Symraw_4 Symraw_5 Symraw_6
Symraw_7 Symraw_8 Symraw_9 Symraw_10
Blockraw_1 Blockraw_2 Blockraw_3 Blockraw_4 Blockraw_5
Blockraw_6
Blockraw_7 Blockraw_8 Blockraw_9 Blockraw_10
FAS_1 FAS_2 FAS_3 FAS_4 FAS_5 FAS_6 FAS_7 FAS_8 FAS_9
FAS_10
CAT_1 CAT_2 CAT_3 CAT_4
CAT_5 CAT_6 CAT_7 CAT_8 CAT_9 CAT_10
Grade_1 Grade_2 Grade_3 Grade_4 Grade_5 Grade_6 Grade_7
Grade_8 Grade_9 Grade_10
LM_1 LM_2 LM_3 LM_4 LM_5 LM_6 LM_7 LM_8 LM_9 LM_10
CFCopy_1 CFCopy_2 CFCopy_3 CFCopy_4 CFCopy_5 CFCopy_6
CFCopy_7
CFCopy_8 CFCopy_9 CFCopy_10
CFRecall_1 CFRecall_2 CFRecall_3 CFRecall_4 CFRecall_5
CFRecall_6 CFRecall_7
CFRecall_8 CFRecall_9 CFRecall_10
TrA1_1 TrA1_2 TrA1_3 TrA1_4 TrA1_5 TrA1_6 TrA1_7 TrA1_8
TrA1_9 TrA1_10
TrlAZScore_1 TrlAZScore_2 TrlAZScore_3 TrlAZScore_4
TrlAZScore_5
TrlAZScore_6 TrlAZScore_7 TrlAZScore_8 TrlAZScore_9
TrlAZScore_10
TMTARate_1 TMTARate_2 TMTARate_3 TMTARate_4 TMTARate_5
TMTARate_6 TMTARate_7
TMTARate_8 TMTARate_9 TMTARate_10
TrA2_1 TrA2_2 TrA2_3 TrA2_4 TrA2_5 TrA2_6 TrA2_7 TrA2_8
TrA2_9 TrA2_10

TrB1_1 TrB1_2 TrB1_3 TrB1_4 TrB1_5 TrB1_6 TrB1_7 TrB1_8
TrB1_9 TrB1_10
TrlBZScore_1 TrlBZScore_2 TrlBZScore_3 TrlBZScore_4
TrlBZScore_5
TrlBZScore_6 TrlBZScore_7 TrlBZScore_8 TrlBZScore_9
TrlBZScore_10
TMTBRate_1 TMTBRate_2 TMTBRate_3 TMTBRate_4 TMTBRate_5
TMTBRate_6 TMTBRate_7
TMTBRate_8 TMTBRate_9 TMTBRate_10
TrB2_1 TrB2_2 TrB2_3 TrB2_4 TrB2_5 TrB2_6
TrB2_7 TrB2_8 TrB2_9 TrB2_10
EpisodicMemory2FreeCatLM_1 EpisodicMemory2FreeCatLM_2
EpisodicMemory2FreeCatLM_3
EpisodicMemory2FreeCatLM_4 EpisodicMemory2FreeCatLM_5
EpisodicMemory2FreeCatLM_6 EpisodicMemory2FreeCatLM_7
EpisodicMemory2FreeCatLM_8 EpisodicMemory2FreeCatLM_9
EpisodicMemory2FreeCatLM_10
FrontalExecFunc_1 FrontalExecFunc_2 FrontalExecFunc_3
FrontalExecFunc_4
FrontalExecFunc_5 FrontalExecFunc_6 FrontalExecFunc_7
FrontalExecFunc_8
FrontalExecFunc_9 FrontalExecFunc_10
Language2BostVoc_1 Language2BostVoc_2
Language2BostVoc_3 Language2BostVoc_4 Language2BostVoc_5
Language2BostVoc_6 Language2BostVoc_7 Language2BostVoc_8
Language2BostVoc_9 Language2BostVoc_10
DysExec_1 DysExec_2 DysExec_3 DysExec_4 DysExec_5
DysExec_6 DysExec_7
DysExec_8 DysExec_9 DysExec_10
aMCI1_1 aMCI1_2 aMCI1_3 aMCI1_4 aMCI1_5 aMCI1_6 aMCI1_7
aMCI1_8 aMCI1_9 aMCI1_10
naMCI1_1 naMCI1_2 naMCI1_3 naMCI1_4 naMCI1_5 naMCI1_6
naMCI1_7
naMCI1_8 naMCI1_9 naMCI1_10
CumulMI_1 CumulMI_2 CumulMI_3 CumulMI_4
CumulMI_5 CumulMI_6 CumulMI_7 CumulMI_8 CumulMI_9
CumulMI_10
CumulStroke_1 CumulStroke_2 CumulStroke_3 CumulStroke_4
CumulStroke_5
CumulStroke_6 CumulStroke_7 CumulStroke_8 CumulStroke_9
CumulStroke_10
CumulDiab_1 CumulDiab_2 CumulDiab_3 CumulDiab_4
CumulDiab_5 CumulDiab_6
CumulDiab_7 CumulDiab_8 CumulDiab_9 CumulDiab_10
DMever
CumulHyper_1 CumulHyper_2 CumulHyper_3 CumulHyper_4
CumulHyper_5
CumulHyper_6 CumulHyper_7 CumulHyper_8 CumulHyper_9
CumulHyper_10
CumulAngina_1 CumulAngina_2 CumulAngina_3 CumulAngina_4

CumulAngina_5
 CumulAngina_6 CumulAngina_7 CumulAngina_8 CumulAngina_9
CumulAngina_10
 CumulHrtFail_1 CumulHrtFail_2 CumulHrtFail_3
CumulHrtFail_4 CumulHrtFail_5
 CumulHrtFail_6 CumulHrtFail_7 CumulHrtFail_8
CumulHrtFail_9 CumulHrtFail_10
 CumulPD_1 CumulPD_2 CumulPD_3 CumulPD_4 CumulPD_5
CumulPD_6 CumulPD_7
 CumulPD_8 CumulPD_9 CumulPD_10
 CumulDep_1 CumulDep_2 CumulDep_3 CumulDep_4
 CumulDep_5 CumulDep_6 CumulDep_7 CumulDep_8 CumulDep_9
CumulDep_10
 CumulAnemia_1 CumulAnemia_2 CumulAnemia_3 CumulAnemia_4
CumulAnemia_5
 CumulAnemia_6 CumulAnemia_7 CumulAnemia_8 CumulAnemia_9
CumulAnemia_10
 CVIndexArWave_1 CVIndexArWave_2 CVIndexArWave_3
CVIndexArWave_4 CVIndexArWave_5
 CVIndexArWave_6 CVIndexArWave_7 CVIndexArWave_8
CVIndexArWave_9 CVIndexArWave_10
 CVIndexCumul_1 CVIndexCumul_2 CVIndexCumul_3
CVIndexCumul_4 CVIndexCumul_5
 CVIndexCumul_6 CVIndexCumul_7 CVIndexCumul_8
CVIndexCumul_9 CVIndexCumul_10
 BloodPres1stSys_1 BloodPres1stSys_2 BloodPres1stSys_3
BloodPres1stSys_4
 BloodPres1stSys_5 BloodPres1stSys_6 BloodPres1stSys_7
BloodPres1stSys_8
 BloodPres1stSys_9 BloodPres1stSys_10
 BloodPres1stDia_1 BloodPres1stDia_2 BloodPres1stDia_3
BloodPres1stDia_4
 BloodPres1stDia_5 BloodPres1stDia_6 BloodPres1stDia_7
BloodPres1stDia_8
 BloodPres1stDia_9 BloodPres1stDia_10
 Ht_1 Ht_2 Ht_3 Ht_4 Ht_5 Ht_6 Ht_7 Ht_8 Ht_9 Ht_10
 Wt_1 Wt_2 Wt_3 Wt_4 Wt_5 Wt_6 Wt_7 Wt_8 Wt_9 Wt_10
 BMI_1 BMI_2 BMI_3 BMI_4 BMI_5 BMI_6 BMI_7 BMI_8 BMI_9
BMI_10
 Waist_1 Waist_2 Waist_3 Waist_4 Waist_5 Waist_6 Waist_7
Waist_8 Waist_9 Waist_10
 Hip_1 Hip_2 Hip_3 Hip_4 Hip_5 Hip_6 Hip_7 Hip_8 Hip_9
Hip_10
 Velocity_1 Velocity_2 Velocity_3 Velocity_4 Velocity_5
Velocity_6 Velocity_7
 Velocity_8 Velocity_9 Velocity_10
 ChairRaiseTime_1 ChairRaiseTime_2 ChairRaiseTime_3
ChairRaiseTime_4
 ChairRaiseTime_5 ChairRaiseTime_6 ChairRaiseTime_7
ChairRaiseTime_8

ChairRaiseTime_9 ChairRaiseTime_10
FlamingoStandTime_1 FlamingoStandTime_2
FlamingoStandTime_3 FlamingoStandTime_4
FlamingoStandTime_5 FlamingoStandTime_6
FlamingoStandTime_7 FlamingoStandTime_8
FlamingoStandTime_9 FlamingoStandTime_10
MaxEff_1 MaxEff_2 MaxEff_3 MaxEff_4 MaxEff_5 MaxEff_6
MaxEff_7
MaxEff_8 MaxEff_9 MaxEff_10
PeakFlowBestOf3_1 PeakFlowBestOf3_2 PeakFlowBestOf3_3
PeakFlowBestOf3_4
PeakFlowBestOf3_5 PeakFlowBestOf3_6 PeakFlowBestOf3_7
PeakFlowBestOf3_8
PeakFlowBestOf3_9 PeakFlowBestOf3_10
UPDRS15_1 UPDRS15_2 UPDRS15_3 UPDRS15_4 UPDRS15_5
UPDRS15_6 UPDRS15_7
UPDRS15_8 UPDRS15_9 UPDRS15_10
UPDRS27_1 UPDRS27_2 UPDRS27_3 UPDRS27_4 UPDRS27_5
UPDRS27_6 UPDRS27_7
UPDRS27_8 UPDRS27_9 UPDRS27_10
UPDRS28_1 UPDRS28_2 UPDRS28_3 UPDRS28_4
UPDRS28_5 UPDRS28_6 UPDRS28_7 UPDRS28_8 UPDRS28_9
UPDRS28_10
UPDRS29_1 UPDRS29_2 UPDRS29_3 UPDRS29_4 UPDRS29_5
UPDRS29_6 UPDRS29_7
UPDRS29_8 UPDRS29_9 UPDRS29_10
EMail_1 EMail_2 EMail_3 EMail_4 EMail_5 EMail_6 EMail_7
EMail_8 EMail_9 EMail_10
Aerobic_1 Aerobic_2 Aerobic_3 Aerobic_4 Aerobic_5
Aerobic_6 Aerobic_7
Aerobic_8 Aerobic_9 Aerobic_10
HrsFor2WeekLight_1 HrsFor2WeekLight_2 HrsFor2WeekLight_3
HrsFor2WeekLight_4
HrsFor2WeekLight_5 HrsFor2WeekLight_6 HrsFor2WeekLight_7
HrsFor2WeekLight_8
HrsFor2WeekLight_9 HrsFor2WeekLight_10
HrsFor2WeekMedium_1 HrsFor2WeekMedium_2
HrsFor2WeekMedium_3 HrsFor2WeekMedium_4
HrsFor2WeekMedium_5 HrsFor2WeekMedium_6
HrsFor2WeekMedium_7 HrsFor2WeekMedium_8
HrsFor2WeekMedium_9 HrsFor2WeekMedium_10
HrsFor2WeekHeavy_1 HrsFor2WeekHeavy_2 HrsFor2WeekHeavy_3
HrsFor2WeekHeavy_4
HrsFor2WeekHeavy_5 HrsFor2WeekHeavy_6 HrsFor2WeekHeavy_7
HrsFor2WeekHeavy_8
HrsFor2WeekHeavy_9 HrsFor2WeekHeavy_10
DaysPerWeekLight_1 DaysPerWeekLight_2 DaysPerWeekLight_3
DaysPerWeekLight_4
DaysPerWeekLight_5 DaysPerWeekLight_6 DaysPerWeekLight_7
DaysPerWeekLight_8

```

                DaysPerWeekLight_9 DaysPerWeekLight_10
                DaysPerWeekMedium_1 DaysPerWeekMedium_2
DaysPerWeekMedium_3 DaysPerWeekMedium_4
                DaysPerWeekMedium_5
                DaysPerWeekMedium_6 DaysPerWeekMedium_7
DaysPerWeekMedium_8 DaysPerWeekMedium_9
                DaysPerWeekMedium_10
                DaysPerWeekHeavy_1 DaysPerWeekHeavy_2 DaysPerWeekHeavy_3
DaysPerWeekHeavy_4
                DaysPerWeekHeavy_5 DaysPerWeekHeavy_6 DaysPerWeekHeavy_7
DaysPerWeekHeavy_8
                DaysPerWeekHeavy_9 DaysPerWeekHeavy_10
                CigsPerDay_1 CigsPerDay_2 CigsPerDay_3
                CigsPerDay_4 CigsPerDay_5 CigsPerDay_6 CigsPerDay_7
CigsPerDay_8
                CigsPerDay_9 CigsPerDay_10
                SmokNow_1 SmokNow_2 SmokNow_3 SmokNow_4
                SmokNow_5 SmokNow_6 SmokNow_7 SmokNow_8 SmokNow_9
SmokNow_10
                SmokEver_1 SmokEver_2 SmokEver_3 SmokEver_4 SmokEver_5
SmokEver_6 SmokEver_7
                SmokEver_8 SmokEver_9 SmokEver_10
                SmokNumYrs_1 SmokNumYrs_2 SmokNumYrs_3 SmokNumYrs_4
SmokNumYrs_5
                SmokNumYrs_6 SmokNumYrs_7 SmokNumYrs_8 SmokNumYrs_9
SmokNumYrs_10
                DrinksPerMonth_1 DrinksPerMonth_2 DrinksPerMonth_3
DrinksPerMonth_4
                DrinksPerMonth_5 DrinksPerMonth_6 DrinksPerMonth_7
DrinksPerMonth_8
                DrinksPerMonth_9 DrinksPerMonth_10
                Glucose_1 Glucose_2 Glucose_3 Glucose_4 Glucose_5
Glucose_6 Glucose_7
                Glucose_8 Glucose_9 Glucose_10
                chronicpi1 chronicpi2 chronicpi3 chronicpi4 chronicpi5
chronicpi6 chronicpi7
                chronicpi8 chronicpi9 chronicpi10
                Pdever
                Cvd cisum pekavg_1 pekavg_2 pekavg_3 pekavg_4 pekavg_5;
MISSING = ALL(-9999);
                USEVAR are time1 time2 time3 time4 time5 !time6 time7
                        p1 p2 p3 p4 p5 !p6 p7
                        c1 c2 c3 c4 c5 !c6 c7
                        Bage educ height Diab SmokHist Cardio;
                TSCORES = time1 time2 time3 time4 time5; !time6
time7;
                USEOBSERVATIONS are DemEver EQ 0 and sex EQ 0;
DEFINE:
    p1=pekavg_1; p2=pekavg_2; p3=pekavg_3;
    p4=pekavg_4; p5=pekavg_5;

```

```

c1= FreeRecall_1; c2= FreeRecall_2; c3= FreeRecall_3; c4=
FreeRecall_4; c5= FreeRecall_5
!c6= FreeRecall_6; c7= FreeRecall_7;
    Bage=AgeAtWaveOne-70;
    Bagesq=(AgeatWaveOne-70)**2;
    Dage=deathage;
    Educ=Educyrs-7;
    SEP=DEM023;
    time1=wave_1;
    time2=wave_2;
    time3=wave_3;
    time4=wave_4;
    time5=wave_5;
    time6=wave_6;
    time7=wave_7;
    time8=wave_8;
    time9=wave_9;
    time10=wave_10;
    Height=Ht_1-172;
    SmokHist=SmokEver_1;
    DepSymp = GDSScore_1;
    Cardio = cvd;
    Diab=DMever;
    AgeAtWave_1Educyrs=Bage*Educ;

```

ANALYSIS:

```

TYPE = RANDOM;
    ESTIMATOR=MLF;
    miterations=20000;
    h1convergence = 0.00001;
    COVERAGE = .001;

```

OUTPUT:

sampstat

MODEL:

```

ip sp | p1-p5 AT time1-time5;
ic sc | c1 - c5 AT time1-time5;
    ip(v_ip);
sp(v_sp);
ic(v_ic);
sc(v_sc);
ip WITH sp(c_ipsp);
ip WITH ic(c_ipic);
ip WITH sc (c_ipsc);
sp WITH ic (c_spic);
sp WITH sc (c_spsc);
ic WITH SC (C_ICSC);
ip sp ic sc WITH ip sp ic sc;
ip sp ic sc ON Bage educ height smokhist cardio diab;
c1-c5 (res_c)
p1-p5 (res_p);
p1-p5 pwith c1-c5(res_cov);

```

height;

MODEL CONSTRAINT:

NEW r_ipic; !assigns labels to new parameters;
NEW r_spsc;
NEW r_res_pc;

$r_{ipic} = c_{ipic} / ((v_{ip}^{*0.5}) * (v_{ic}^{*0.5}));$
 $r_{spsc} = c_{spsc} / ((v_{sp}^{*0.5}) * (v_{sc}^{*0.5}));$
 $r_{res_pc} = res_cov / ((res_p^{*0.5}) * (res_c^{*0.5}));$

SAVEDATA:

FILE IS EAS_P_FreeRecall_Slopes_m_pekavg; ! *rename for each
specific variable combina
SAVE = FSCORES;

PLOT: TYPE IS PLOT3;

OUTPUT: sampstat Cinterval;

*** WARNING

Input line exceeded 90 characters. Some input may be truncated.

c1= FreeRecall_1; c2= FreeRecall_2; c3= FreeRecall_3; c4=
FreeRecall_4; c5= FreeRecall_5;

*** WARNING

Input line exceeded 90 characters. Some input may be truncated.

FILE IS EAS_P_FreeRecall_Slopes_m_pekavg; ! *rename for each
specific variable combinat

*** WARNING

Data set contains cases with missing on x-variables.

These cases were not included in the analysis.

Number of cases with missing on x-variables: 162

*** WARNING

Data set contains cases with missing on time scores but non-missing
on the

corresponding dependent variables. These cases were not included in
the analysis.

Number of such cases: 125

4 WARNING(S) FOUND IN THE INPUT INSTRUCTIONS

m3, b1, free recall, PEK average, LGM, aehplus Conditional, male

SUMMARY OF ANALYSIS

Number of groups	1
Number of observations	97
Number of dependent variables	10
Number of independent variables	6
Number of continuous latent variables	4

Observed dependent variables

Continuous

P1	P2	P3	P4	P5	C1
C2	C3	C4	C5		

Observed independent variables

BAGE	EDUC	HEIGHT	DIAB	SMOKHIST	CARDIO
------	------	--------	------	----------	--------

Continuous latent variables

IP	SP	IC	SC
----	----	----	----

Variables with special functions

Time scores

TIME1	TIME2	TIME3	TIME4	TIME5
-------	-------	-------	-------	-------

Estimator	MLF
Information matrix	OBSERVED
Maximum number of iterations	100
Convergence criterion	0.100D-05
Maximum number of EM iterations	20000
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-04
Optimization algorithm	EMA

Input data file(s)

/Users/andreazammit/Desktop/EASMaster.csv

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.001

PROPORTION OF DATA PRESENT

P5	Covariance Coverage			
	P1	P2	P3	P4
P1	0.402			
P2	0.351	0.423		
P3	0.340	0.361	0.526	
P4	0.340	0.340	0.423	0.608
P5	0.402	0.423	0.526	0.608
1.000				
C1	0.402	0.423	0.526	0.598
0.990				
C2	0.402	0.423	0.526	0.608
0.979				
C3	0.402	0.423	0.515	0.588
0.979				
C4	0.402	0.423	0.526	0.598
0.990				
C5	0.392	0.423	0.526	0.598
0.969				
HEIGHT	0.392	0.340	0.340	0.330
0.392				
BAGE	0.402	0.423	0.526	0.608
1.000				
EDUC	0.402	0.423	0.526	0.608
1.000				
DIAB	0.402	0.423	0.526	0.608
1.000				
SMOKHIST	0.402	0.423	0.526	0.608
1.000				
CARDIO	0.402	0.423	0.526	0.608
1.000				

C5	Covariance Coverage			
	C1	C2	C3	C4

C1	0.990			
C2	0.969	0.979		
C3	0.969	0.959	0.979	
C4	0.979	0.969	0.969	0.990
C5	0.959	0.948	0.948	0.959
0.969				
HEIGHT	0.392	0.392	0.392	0.392
0.381				
BAGE	0.990	0.979	0.979	0.990
0.969				
EDUC	0.990	0.979	0.979	0.990
0.969				
DIAB	0.990	0.979	0.979	0.990
0.969				
SMOKHIST	0.990	0.979	0.979	0.990
0.969				
CARDIO	0.990	0.979	0.979	0.990
0.969				

	Covariance HEIGHT	Coverage BAGE	EDUC	DIAB
SMOKHIST				
HEIGHT	0.392			
BAGE	0.392	1.000		
EDUC	0.392	1.000	1.000	
DIAB	0.392	1.000	1.000	1.000
SMOKHIST	0.392	1.000	1.000	1.000
1.000				
CARDIO	0.392	1.000	1.000	1.000
1.000				

	Covariance CARDIO
CARDIO	1.000

SAMPLE STATISTICS

ESTIMATED SAMPLE STATISTICS

	Means P1	P2	P3	P4
P5				

<u>1</u>	<u>397.903</u>	<u>405.036</u>	<u>328.418</u>	<u>347.847</u>
9591.361				

Means
C1 C2 C3 C4
C5

<u>1</u>	<u>31.381</u>	<u>31.393</u>	<u>31.566</u>	<u>30.743</u>
30.745				

Means
HEIGHT BAGE EDUC DIAB
SMOKHIST

<u>1</u>	<u>-1.307</u>	<u>7.927</u>	<u>6.990</u>	<u>0.258</u>
0.649				

Means
CARDIO
1 0.299

Covariances
P1 P2 P3 P4
P5

<u>P1</u>	<u>14256.620</u>			
P2	9969.976	<u>15067.111</u>		
P3	9648.506	8075.010	<u>17996.084</u>	
P4	10655.429	10409.671	10629.882	<u>14440.722</u>
P5	-21543.172	-28199.171	19864.504	-30723.039
648420.705				
C1	-160.503	-106.365	-70.436	-90.258
229.660				
C2	-158.112	-116.740	-251.954	-135.990
164.752				
C3	-104.135	-5.018	28.386	24.747
501.003				
C4	-54.123	-35.944	-66.486	-14.378
361.560				
C5	-84.954	-77.413	-4.763	47.008

180.405				
HEIGHT	-49.704	-93.579	183.552	-137.003
2413.639				
BAGE	-112.147	-186.003	-44.105	-123.993
561.741				
EDUC	-15.019	-71.687	75.889	6.700
895.529				
DIAB	-1.109	0.600	-8.577	3.527
-43.279				
SMOKHIST	-9.462	-1.266	-12.827	0.831
-37.286				
CARDIO	-16.503	10.067	-14.571	-5.662
-96.128				

	Covariances			
	C1	C2	C3	C4
C5				
	<hr/>	<hr/>	<hr/>	<hr/>
C1	25.800			
C2	14.565	27.163		
C3	15.552	16.836	31.388	
C4	13.454	16.464	21.039	29.579
C5	16.562	16.312	24.682	20.591
33.710				
HEIGHT	-4.739	-4.306	-1.107	-8.793
-4.593				
BAGE	-2.544	-4.545	-5.637	-4.903
-4.803				
EDUC	2.581	2.919	0.912	1.089
2.186				
DIAB	-0.418	-0.349	-0.362	-0.222
-0.018				
SMOKHIST	0.031	0.033	-0.029	0.446
0.230				
CARDIO	0.247	0.151	0.031	0.129
0.261				

	Covariances			
	HEIGHT	BAGE	EDUC	DIAB
SMOKHIST				
	<hr/>	<hr/>	<hr/>	<hr/>
HEIGHT	49.955			
BAGE	-7.882	22.741		
EDUC	2.980	-1.647	10.649	
DIAB	-0.217	0.008	-0.039	0.191
SMOKHIST	0.086	-0.440	-0.169	0.049

0.228				
CARDIO	-0.962	-0.011	-0.162	0.067
0.053				

Covariances
CARDIO

CARDIO	<u>0.333</u>
--------	--------------

Correlations

	P1	P2	P3	P4
P5	<u>1.000</u>			
P1	1.000			
P2	0.680	1.000		
P3	0.602	0.490	1.000	
P4	0.743	0.706	0.659	1.000
P5	-0.224	-0.285	0.184	-0.317
1.000				
C1	-0.265	-0.171	-0.103	-0.148
0.056				
C2	-0.254	-0.182	-0.360	-0.217
0.039				
C3	-0.156	-0.007	0.038	0.037
0.111				
C4	-0.083	-0.054	-0.091	-0.022
0.083				
C5	-0.123	-0.109	-0.006	0.067
0.039				
HEIGHT	-0.059	-0.108	0.194	-0.161
0.424				
BAGE	-0.197	-0.318	-0.069	-0.216
0.146				
EDUC	-0.039	-0.179	0.173	0.017
0.341				
DIAB	-0.021	0.011	-0.146	0.067
-0.123				
SMOKHIST	-0.166	-0.022	-0.200	0.014
-0.097				
CARDIO	-0.239	0.142	-0.188	-0.082
-0.207				

Correlations

	C1	C2	C3	C4
C5	<u>1.000</u>			

C1	1.000			
C2	0.550	1.000		
C3	0.547	0.577	1.000	
C4	0.487	0.581	0.690	1.000
C5	0.562	0.539	0.759	0.652
1.000				
HEIGHT	-0.132	-0.117	-0.028	-0.229
-0.112				
BAGE	-0.105	-0.183	-0.211	-0.189
-0.173				
EDUC	0.156	0.172	0.050	0.061
0.115				
DIAB	-0.188	-0.153	-0.148	-0.093
-0.007				
SMOKHIST	0.013	0.013	-0.011	0.172
0.083				
CARDIO	0.084	0.050	0.010	0.041
0.078				

	Correlations			
	HEIGHT	BAGE	EDUC	DIAB
SMOKHIST				
	-----	-----	-----	-----
HEIGHT	1.000			
BAGE	-0.234	1.000		
EDUC	0.129	-0.106	1.000	
DIAB	-0.070	0.004	-0.027	1.000
SMOKHIST	0.025	-0.193	-0.108	0.235
1.000				
CARDIO	-0.236	-0.004	-0.086	0.266
0.193				

	Correlations
	CARDIO
CARDIO	-----
	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS
-4071.576

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 43

Loglikelihood

H0 Value -4165.766

Information Criteria

Akaike (AIC) 8417.533
 Bayesian (BIC) 8528.245
 Sample-Size Adjusted BIC 8392.466
 (n* = (n + 2) / 24)

MODEL RESULTS

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
IP	ON				
	BAGE	62.104	291.295	0.213	0.831
	EDUC	89.096	417.440	0.213	0.831
	HEIGHT	-25.020	597.588	-0.042	0.967
	SMOKHIST	310.129	3176.055	0.098	0.922
	CARDIO	-1421.043	3598.954	-0.395	0.693
	DIAB	472.384	3203.865	0.147	0.883
SP	ON				
	BAGE	-9.956	86.466	-0.115	0.908
	EDUC	-28.993	117.911	-0.246	0.806
	HEIGHT	7.444	161.791	0.046	0.963
	SMOKHIST	-119.411	838.642	-0.142	0.887
	CARDIO	294.329	1097.698	0.268	0.789
	DIAB	-66.588	933.973	-0.071	0.943
IC	ON				
	BAGE	-0.157	0.182	-0.866	0.386
	EDUC	0.220	0.204	1.077	0.282
	HEIGHT	-0.225	0.184	-1.224	0.221
	SMOKHIST	-0.152	1.560	-0.097	0.922
	CARDIO	1.197	1.603	0.747	0.455
	DIAB	-3.235	1.788	-1.809	0.070
SC	ON				
	BAGE	-0.024	0.045	-0.539	0.590
	EDUC	-0.026	0.055	-0.469	0.639
	HEIGHT	-0.018	0.048	-0.378	0.705

	SMOKHIST	0.235	0.383	0.614	0.539
	CARDIO	-0.158	0.385	-0.409	0.682
	DIAB	0.449	0.462	0.972	0.331
IP	WITH				
	SP	*****	*****	-0.019	0.985
	IC	673.609	8773.470	0.077	0.939
	SC	225.775	1899.916	0.119	0.905
SP	WITH				
	IC	-219.444	2328.384	-0.094	0.925
	SC	-61.635	509.053	-0.121	0.904
IC	WITH				
	SC	0.080	1.131	0.071	0.944
P1	WITH				
	C1	187.404	894.630	0.209	0.834
P2	WITH				
	C2	187.404	894.630	0.209	0.834
P3	WITH				
	C3	187.404	894.630	0.209	0.834
P4	WITH				
	C4	187.404	894.630	0.209	0.834
P5	WITH				
	C5	187.404	894.630	0.209	0.834
Means					
	HEIGHT	1.616	2.977	0.543	0.587
Intercepts					
	P1	0.000	0.000	999.000	999.000
	P2	0.000	0.000	999.000	999.000
	P3	0.000	0.000	999.000	999.000
	P4	0.000	0.000	999.000	999.000
	P5	0.000	0.000	999.000	999.000
	C1	0.000	0.000	999.000	999.000
	C2	0.000	0.000	999.000	999.000
	C3	0.000	0.000	999.000	999.000
	C4	0.000	0.000	999.000	999.000
	C5	0.000	0.000	999.000	999.000
	IP	-6046.824	5202.654	-1.162	0.245
	SP	2721.370	1570.880	1.732	0.083
	IC	32.395	3.000	10.798	0.000
	SC	-0.012	0.674	-0.018	0.985

Variations				
HEIGHT	43.604	18.883	2.309	0.021

Residual Variances

P1	*****	*****	1.820	0.069
P2	*****	*****	1.820	0.069
P3	*****	*****	1.820	0.069
P4	*****	*****	1.820	0.069
P5	*****	*****	1.820	0.069
C1	10.904	1.206	9.041	0.000
C2	10.904	1.206	9.041	0.000
C3	10.904	1.206	9.041	0.000
C4	10.904	1.206	9.041	0.000
C5	10.904	1.206	9.041	0.000
IP	*****	*****	0.021	0.983
SP	20920.377	*****	0.020	0.984
IC	9.133	5.604	1.630	0.103
SC	0.342	0.368	0.929	0.353

New/Additional Parameters

R_IPIC	0.429	10.406	0.041	0.967
R_SPSC	-0.729	17.964	-0.041	0.968
R_RES_PC	0.020	0.095	0.211	0.833

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix
0.232E-08
(ratio of smallest to largest eigenvalue)

CONFIDENCE INTERVALS OF MODEL RESULTS

		Lower .5%	Lower 2.5%	Lower 5%	Estimate
Upper 5%	Upper 2.5%	Upper .5%			
IP	ON				
	BAGE	-688.213	-508.833	-417.076	62.104
541.284	633.042	812.421			
	EDUC	-986.145	-729.086	-597.592	89.096
775.784	907.277	1164.337			
	HEIGHT	-1564.288	-1196.293	-1008.053	-25.020
958.013	1146.253	1514.248			
	SMOKHIST	-7870.753	-5914.939	-4914.481	310.129
5534.739	6535.197	8491.011			
	CARDIO	*****	-8474.992	-7341.322	-1421.043
4499.235	5632.906	7849.141			
	DIAB	-7780.130	-5807.190	-4797.973	472.384
5742.741	6751.959	8724.897			

SP	ON				
BAGE		-232.675	-179.429	-152.192	-9.956
132.280	159.517	212.763			
EDUC		-332.707	-260.098	-222.956	-28.993
164.970	202.112	274.721			
HEIGHT		-409.299	-309.667	-258.703	7.444
273.591	324.555	424.186			
SMOKHIST		-2279.586	-1763.150	-1498.978	-119.411
1260.155	1524.328	2040.763			
CARDIO		-2533.121	-1857.159	-1511.384	294.329
2100.042	2445.817	3121.779			
DIAB		-2472.315	-1897.174	-1602.973	-66.588
1469.797	1763.999	2339.139			

IC	ON				
BAGE		-0.625	-0.513	-0.456	-0.157
0.141	0.199	0.310			
EDUC		-0.306	-0.180	-0.116	0.220
0.556	0.620	0.746			
HEIGHT		-0.698	-0.585	-0.527	-0.225
0.077	0.135	0.248			
SMOKHIST		-4.170	-3.210	-2.718	-0.152
2.415	2.906	3.867			
CARDIO		-2.931	-1.944	-1.440	1.197
3.833	4.338	5.325			
DIAB		-7.841	-6.740	-6.177	-3.235
-0.294	0.269	1.370			

SC	ON				
BAGE		-0.140	-0.113	-0.098	-0.024
0.050	0.064	0.092			
EDUC		-0.168	-0.134	-0.117	-0.026
0.065	0.082	0.116			
HEIGHT		-0.142	-0.112	-0.097	-0.018
0.061	0.076	0.106			
SMOKHIST		-0.751	-0.515	-0.394	0.235
0.864	0.985	1.221			
CARDIO		-1.151	-0.913	-0.792	-0.158
0.476	0.598	0.835			
DIAB		-0.741	-0.456	-0.311	0.449
1.208	1.354	1.638			

IP	WITH				
SP		*****	*****	*****	-73405.219
*****	*****	*****			
IC		*****	-16522.393	-13758.748	673.609
15105.967	17869.611	23272.312			
SC		-4668.027	-3498.060	-2899.586	225.775
3351.137	3949.610	5119.578			

SP	WITH				
IC		-6216.894	-4783.076	-4049.635	-219.444
3610.747	4344.188	5778.006			
SC		-1372.852	-1059.378	-899.026	-61.635
775.757	936.108	1249.583			
IC	WITH				
SC		-2.835	-2.138	-1.781	0.080
1.941	2.298	2.994			
P1	WITH				
C1		-2116.984	-1566.071	-1284.263	187.404
1659.070	1940.878	2491.792			
P2	WITH				
C2		-2116.984	-1566.071	-1284.263	187.404
1659.070	1940.878	2491.792			
P3	WITH				
C3		-2116.984	-1566.071	-1284.263	187.404
1659.070	1940.878	2491.792			
P4	WITH				
C4		-2116.984	-1566.071	-1284.263	187.404
1659.070	1940.878	2491.792			
P5	WITH				
C5		-2116.984	-1566.071	-1284.263	187.404
1659.070	1940.878	2491.792			
Means					
HEIGHT		-6.051	-4.218	-3.280	1.616
6.513	7.451	9.284			
Intercepts					
P1		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
P2		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
P3		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
P4		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
P5		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
C1		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
C2		0.000	0.000	0.000	0.000
0.000	0.000	0.000			

C3	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000			
C4	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000			
C5	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000			
IP	*****	-16244.025		-14605.189	-6046.824
2511.542	4150.378	7354.171			
SP		-1324.902	-357.554	137.273	2721.370
5305.467	5800.294	6767.642			
IC		24.667	26.515	27.460	32.395
37.330	38.275	40.123			
SC		-1.748	-1.333	-1.121	-0.012
1.096	1.309	1.724			

Variances					
HEIGHT		-5.035	6.593	12.541	43.604
74.667	80.615	92.244			

Residual Variances

P1	*****	*****	767213.000	*****	
*****	*****	*****			
P2	*****	*****	767213.000	*****	
*****	*****	*****			
P3	*****	*****	767213.000	*****	
*****	*****	*****			
P4	*****	*****	767213.000	*****	
*****	*****	*****			
P5	*****	*****	767213.000	*****	
*****	*****	*****			
C1		7.798	8.540	8.920	10.904
12.888	13.268	14.011			
C2		7.798	8.540	8.920	10.904
12.888	13.268	14.011			
C3		7.798	8.540	8.920	10.904
12.888	13.268	14.011			
C4		7.798	8.540	8.920	10.904
12.888	13.268	14.011			
C5		7.798	8.540	8.920	10.904
12.888	13.268	14.011			
IP	*****	*****	*****	*****	269804.625
*****	*****	*****			
SP	*****	*****	*****	*****	20920.377
*****	*****	*****			
IC		-5.301	-1.850	-0.085	9.133
18.351	20.116	23.567			
SC		-0.606	-0.379	-0.263	0.342
0.948	1.064	1.290			

New/Additional Parameters

R_IPIC	-26.375	-19.967	-16.689	0.429
17.547	20.825	27.233		
R_SPSC	-47.000	-35.937	-30.279	-0.729
28.822	34.480	45.542		
R_RES_PC	-0.225	-0.166	-0.136	0.020
0.177	0.207	0.265		

SAMPLE STATISTICS FOR ESTIMATED FACTOR SCORES

SAMPLE STATISTICS

IC	Means	IP_SE	SP	SP_SE
	IP			
1	-5073.767	367.721	2445.073	95.818
31.747				

1	Means	SC	SC_SE
	IC_SE		
1	1.736	-0.194	0.459

IC	Covariances	IP_SE	SP	SP_SE
	IP			
IP	951380.317			
IP_SE	-1257.032	23.747		
SP	-217143.228	299.123	52542.114	
SP_SE	-337.854	6.810	79.851	1.963
IC	550.055	-3.758	-258.921	-1.035
11.236				
IC_SE	-5.435	0.040	1.159	0.011
0.015				
SC	156.714	0.003	-44.864	0.007
0.453				
SC_SE	-1.339	0.035	0.326	0.010
-0.005				

Covariances	IC_SE	SC	SC_SE
-------------	-------	----	-------

IC_SE	0.001		
SC	0.001	0.222	
SC_SE	0.000	0.000	0.000

	Correlations			
	IP	IP_SE	SP	SP_SE
IC				
IP	1.000			
IP_SE	-0.264	1.000		
SP	-0.971	0.268	1.000	
SP_SE	-0.247	0.997	0.249	1.000
IC	0.168	-0.230	-0.337	-0.220
1.000				
IC_SE	-0.170	0.248	0.154	0.238
0.140				
SC	0.341	0.001	-0.415	0.011
0.287				
SC_SE	-0.187	0.967	0.194	0.969
-0.214				

	Correlations		
	IC_SE	SC	SC_SE
IC_SE	1.000		
SC	0.054	1.000	
SC_SE	0.207	-0.005	1.000

PLOT INFORMATION

The following plots are available:

- Histograms of sample values
- Scatterplots (sample values, estimated factor scores)
- Latent variable distribution plots

SAVEDATA INFORMATION

Save file
EAS_P_FreeRecall_Slopes_m_pekavg

Order and format of variables

P1 F10.3

P2	F10.3
P3	F10.3
P4	F10.3
P5	F10.3
C1	F10.3
C2	F10.3
C3	F10.3
C4	F10.3
C5	F10.3
HEIGHT	F10.3
BAGE	F10.3
EDUC	F10.3
DIAB	F10.3
SMOKHIST	F10.3
CARDIO	F10.3
TIME1	F10.3
TIME2	F10.3
TIME3	F10.3
TIME4	F10.3
TIME5	F10.3
IP	F10.3
IP_SE	F10.3
SP	F10.3
SP_SE	F10.3
IC	F10.3
IC_SE	F10.3
SC	F10.3
SC_SE	F10.3

Save file format
29F10.3

Save file record length 10000

Beginning Time: 18:40:58
Ending Time: 18:41:47
Elapsed Time: 00:00:49

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