

Mplus VERSION 7.11 (Mac)
MUTHEN & MUTHEN
12/07/2016 8:35 AM

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;

                                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-p4 AT time1-time4;
    ic sc | c1 - c4 AT time1-time4;
        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-c4 (res_c)
  p1-p4 (res_p);
  p1-p4 pwith c1-c4(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.

```

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

2 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 222

Number of dependent variables 8
Number of independent variables 6
Number of continuous latent variables 4

Observed dependent variables

Continuous
P1 P2 P3 P4 C1 C2
C3 C4

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

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 30

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.001

PROPORTION OF DATA PRESENT

C1	Covariance Coverage			
	P1	P2	P3	P4
P1	0.329			
P2	0.243	0.293		
P3	0.180	0.189	0.261	
P4	0.149	0.149	0.185	0.266
C1	0.329	0.293	0.261	0.261
0.986				
C2	0.329	0.293	0.261	0.266
0.964				
C3	0.270	0.288	0.252	0.257
0.671				
C4	0.221	0.230	0.261	0.261
0.518				
HEIGHT	0.324	0.239	0.180	0.144
0.324				
BAGE	0.329	0.293	0.261	0.266
0.986				
EDUC	0.329	0.293	0.261	0.266
0.986				
DIAB	0.329	0.293	0.261	0.266
0.986				
SMOKHIST	0.329	0.293	0.261	0.266
0.986				
CARDIO	0.329	0.293	0.261	0.266
0.986				

BAGE	Covariance Coverage			
	C2	C3	C4	HEIGHT
C2	0.977			
C3	0.662	0.676		
C4	0.514	0.509	0.523	
HEIGHT	0.324	0.266	0.216	0.324
BAGE	0.977	0.676	0.523	0.324
1.000				

EDUC	0.977	0.676	0.523	0.324
1.000				
DIAB	0.977	0.676	0.523	0.324
1.000				
SMOKHIST	0.977	0.676	0.523	0.324
1.000				
CARDIO	0.977	0.676	0.523	0.324
1.000				

Covariance Coverage

	EDUC	DIAB	SMOKHIST	CARDIO
EDUC	1.000			
DIAB	1.000	1.000		
SMOKHIST	1.000	1.000	1.000	
CARDIO	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

ESTIMATED SAMPLE STATISTICS

	Means P1	P2	P3	P4
C1				
1	365.697	374.300	328.611	312.716
29.850				

	Means C2	C3	C4	HEIGHT
BAGE				
1	30.075	30.010	29.537	1.216
8.236				

	Means EDUC	DIAB	SMOKHIST	CARDIO
1	6.599	0.252	0.662	0.311

Covariances

C1	P1	P2	P3	P4
	<hr/>	<hr/>	<hr/>	<hr/>
P1	13588.972			
P2	10215.625	14926.164		
P3	11606.440	10804.173	18235.095	
P4	10705.190	10803.123	12182.378	15115.674
C1	-143.700	-69.740	-97.979	-58.884
35.208				
C2	-148.981	-126.855	-278.817	-86.613
21.759				
C3	-55.607	38.068	-4.917	95.000
24.641				
C4	-127.056	-108.364	-161.485	-63.798
20.686				
HEIGHT	153.515	115.843	280.234	-18.110
-15.334				
BAGE	-149.506	-271.494	-105.934	-218.108
-5.526				
EDUC	40.566	-17.512	62.984	66.553
2.806				
DIAB	-3.647	-2.083	-5.048	-1.939
-0.350				
SMOKHIST	-11.033	-6.030	-12.760	-3.446
-0.014				
CARDIO	-20.211	6.922	-11.938	-9.505
0.479				

	Covariances			
BAGE	C2	C3	C4	HEIGHT
	<hr/>	<hr/>	<hr/>	<hr/>
C2	37.421			
C3	25.562	40.785		
C4	23.884	27.801	37.561	
HEIGHT	-12.325	-12.833	-15.173	56.369
BAGE	-7.976	-10.688	-4.570	-4.047
28.722				
EDUC	5.378	2.971	2.212	-0.310
-1.627				
DIAB	-0.393	-0.151	-0.184	0.430
-0.112				
SMOKHIST	0.100	-0.150	0.252	0.145
-0.236				
CARDIO	0.364	0.250	0.280	-0.513
0.151				

	Covariances			
	EDUC	DIAB	SMOKHIST	CARDIO
EDUC	12.168			
DIAB	-0.070	0.189		
SMOKHIST	-0.275	0.013	0.224	
CARDIO	0.003	0.021	0.024	0.367

	Correlations			
	P1	P2	P3	P4
C1				
P1	1.000			
P2	0.717	1.000		
P3	0.737	0.655	1.000	
P4	0.747	0.719	0.734	1.000
C1	-0.208	-0.096	-0.122	-0.081
C2	-0.209	-0.170	-0.338	-0.115
C3	-0.075	0.049	-0.006	0.121
C4	-0.178	-0.145	-0.195	-0.085
HEIGHT	0.175	0.126	0.276	-0.020
BAGE	-0.239	-0.415	-0.146	-0.331
EDUC	0.100	-0.041	0.134	0.155
DIAB	-0.072	-0.039	-0.086	-0.036
SMOKHIST	-0.200	-0.104	-0.200	-0.059
CARDIO	-0.286	0.093	-0.146	-0.128

	Correlations			
	C2	C3	C4	HEIGHT
BAGE				
C2	1.000			
C3	0.654	1.000		
C4	0.637	0.710	1.000	
HEIGHT	-0.268	-0.268	-0.330	1.000

BAGE	-0.243	-0.312	-0.139	-0.101
1.000				
EDUC	0.252	0.133	0.103	-0.012
-0.087				
DIAB	-0.148	-0.055	-0.069	0.132
-0.048				
SMOKHIST	0.035	-0.050	0.087	0.041
-0.093				
CARDIO	0.098	0.065	0.075	-0.113
0.046				

	Correlations EDUC	DIAB	SMOKHIST	CARDIO
EDUC	1.000			
DIAB	-0.046	1.000		
SMOKHIST	-0.167	0.064	1.000	
CARDIO	0.001	0.079	0.083	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS
-5562.976

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 43

Loglikelihood

H0 Value -3852.073

Information Criteria

Akaike (AIC) 7790.146
 Bayesian (BIC) 7936.461
 Sample-Size Adjusted BIC 7800.191
 (n* = (n + 2) / 24)

MODEL RESULTS

Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
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IP	ON				
	BAGE	-5.452	4.109	-1.327	0.185
	EDUC	-1.454	5.433	-0.268	0.789
	HEIGHT	2.465	2.624	0.939	0.348
	SMOKHIST	-52.826	39.761	-1.329	0.184
	CARDIO	-23.756	41.327	-0.575	0.565
	DIAB	-11.124	40.666	-0.274	0.784
SP	ON				
	BAGE	-0.090	1.350	-0.066	0.947
	EDUC	1.368	1.809	0.756	0.450
	HEIGHT	-0.103	1.077	-0.096	0.924
	SMOKHIST	10.035	14.030	0.715	0.474
	CARDIO	3.131	13.919	0.225	0.822
	DIAB	-0.740	16.480	-0.045	0.964
IC	ON				
	BAGE	-0.225	0.103	-2.176	0.030
	EDUC	0.282	0.163	1.723	0.085
	HEIGHT	-0.199	0.143	-1.387	0.165
	SMOKHIST	-0.189	1.057	-0.179	0.858
	CARDIO	1.691	0.779	2.172	0.030
	DIAB	-2.525	1.047	-2.413	0.016
SC	ON				
	BAGE	-0.021	0.037	-0.564	0.572
	EDUC	-0.014	0.061	-0.235	0.814
	HEIGHT	-0.029	0.054	-0.537	0.591
	SMOKHIST	0.215	0.433	0.498	0.619
	CARDIO	-0.255	0.297	-0.857	0.392
	DIAB	0.392	0.406	0.966	0.334
IP	WITH				
	SP	110.820	1250.031	0.089	0.929
	IC	-153.584	125.623	-1.223	0.221
	SC	16.034	36.655	0.437	0.662
SP	WITH				
	IC	1.674	47.630	0.035	0.972
	SC	-0.304	15.458	-0.020	0.984
IC	WITH				
	SC	-0.609	1.481	-0.412	0.681
P1	WITH				
	C1	8.877	29.734	0.299	0.765
P2	WITH				
	C2	8.877	29.734	0.299	0.765

P3	WITH				
C3		8.877	29.734	0.299	0.765
P4	WITH				
C4		8.877	29.734	0.299	0.765
Means					
HEIGHT		1.713	1.229	1.394	0.163
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
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
IP		483.080	58.320	8.283	0.000
SP		-31.497	22.394	-1.407	0.160
IC		30.645	1.848	16.582	0.000
SC		0.076	0.735	0.103	0.918
Variances					
HEIGHT		55.001	10.850	5.069	0.000
Residual Variances					
P1		3971.929	468.515	8.478	0.000
P2		3971.929	468.515	8.478	0.000
P3		3971.929	468.515	8.478	0.000
P4		3971.929	468.515	8.478	0.000
C1		12.940	1.058	12.234	0.000
C2		12.940	1.058	12.234	0.000
C3		12.940	1.058	12.234	0.000
C4		12.940	1.058	12.234	0.000
IP		7904.915	4301.670	1.838	0.066
SP		67.636	357.766	0.189	0.850
IC		16.329	5.474	2.983	0.003
SC		0.544	0.611	0.891	0.373
New/Additional Parameters					
R_IPIC		-0.427	0.356	-1.200	0.230
R_SPSC		-0.050	2.578	-0.019	0.985
R_RES_PC		0.039	0.131	0.299	0.765

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix

0.295E-07

(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		-16.037	-13.506	-12.212	-5.452
1.309	2.603	5.134			
EDUC		-15.449	-12.104	-10.392	-1.454
7.484	9.195	12.541			
HEIGHT		-4.295	-2.678	-1.852	2.465
6.783	7.609	9.226			
SMOKHIST		-155.243	-130.758	-118.233	-52.826
12.582	25.106	49.591			
CARDIO		-130.206	-104.756	-91.738	-23.756
44.227	57.245	82.694			
DIAB		-115.871	-90.829	-78.019	-11.124
55.771	68.581	93.623			
SP	ON				
BAGE		-3.566	-2.735	-2.310	-0.090
2.131	2.556	3.387			
EDUC		-3.292	-2.178	-1.608	1.368
4.344	4.914	6.028			
HEIGHT		-2.878	-2.214	-1.875	-0.103
1.669	2.008	2.671			
SMOKHIST		-26.103	-17.464	-13.044	10.035
33.115	37.534	46.174			
CARDIO		-32.722	-24.150	-19.766	3.131
26.028	30.413	38.984			
DIAB		-43.189	-33.041	-27.850	-0.740
26.369	31.560	41.709			
IC	ON				
BAGE		-0.491	-0.427	-0.395	-0.225
-0.055	-0.022	0.041			
EDUC		-0.139	-0.039	0.013	0.282
0.551	0.602	0.703			
HEIGHT		-0.569	-0.480	-0.435	-0.199
0.037	0.082	0.171			
SMOKHIST		-2.911	-2.261	-1.928	-0.189
1.549	1.882	2.533			
CARDIO		-0.315	0.165	0.410	1.691
2.972	3.217	3.697			
DIAB		-5.222	-4.577	-4.247	-2.525
-0.803	-0.474	0.171			

SC	ON				
BAGE		-0.116	-0.093	-0.081	-0.021
0.040	0.051	0.074			
EDUC		-0.172	-0.134	-0.115	-0.014
0.086	0.105	0.143			
HEIGHT		-0.168	-0.135	-0.118	-0.029
0.060	0.077	0.110			
SMOKHIST		-0.899	-0.633	-0.496	0.215
0.927	1.063	1.330			
CARDIO		-1.020	-0.837	-0.743	-0.255
0.234	0.328	0.511			
DIAB		-0.654	-0.404	-0.276	0.392
1.060	1.188	1.438			

IP	WITH				
SP		-3109.010	-2339.241	-1945.481	110.820
2167.120	2560.880	3330.649			
IC		-477.164	-399.806	-360.234	-153.584
53.066	92.638	169.997			
SC		-78.381	-55.809	-44.263	16.034
76.332	87.878	110.450			

SP	WITH				
IC		-121.011	-91.681	-76.677	1.674
80.026	95.029	124.360			
SC		-40.121	-30.602	-25.732	-0.304
25.125	29.995	39.514			

IC	WITH				
SC		-4.423	-3.511	-3.045	-0.609
1.826	2.293	3.204			

P1	WITH				
C1		-67.711	-49.401	-40.035	8.877
57.789	67.155	85.465			

P2	WITH				
C2		-67.711	-49.401	-40.035	8.877
57.789	67.155	85.465			

P3	WITH				
C3		-67.711	-49.401	-40.035	8.877
57.789	67.155	85.465			

P4	WITH				
C4		-67.711	-49.401	-40.035	8.877
57.789	67.155	85.465			

Means

HEIGHT		-1.452	-0.695	-0.308	1.713
3.734	4.121	4.878			

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			
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			
C4		0.000	0.000	0.000	0.000
0.000	0.000	0.000			
IP		332.861	368.774	387.144	483.080
579.016	597.387	633.300			
SP		-89.179	-75.389	-68.335	-31.497
5.340	12.394	26.184			
IC		25.885	27.023	27.605	30.645
33.685	34.268	35.406			
SC		-1.817	-1.365	-1.133	0.076
1.285	1.516	1.969			

Variances

HEIGHT		27.052	33.734	37.152	55.001
72.850	76.267	82.949			

Residual Variances

P1		2765.129	3053.640	3201.222	3971.929
4742.636	4890.218	5178.729			
P2		2765.129	3053.640	3201.222	3971.929
4742.636	4890.218	5178.729			
P3		2765.129	3053.640	3201.222	3971.929
4742.636	4890.218	5178.729			
P4		2765.129	3053.640	3201.222	3971.929
4742.636	4890.218	5178.729			
C1		10.215	10.867	11.200	12.940
14.680	15.013	15.664			
C2		10.215	10.867	11.200	12.940
14.680	15.013	15.664			
C3		10.215	10.867	11.200	12.940
14.680	15.013	15.664			
C4		10.215	10.867	11.200	12.940
14.680	15.013	15.664			

IP	-3175.327	-526.359	828.667	7904.915
14981.162	16336.189	18985.156		
SP	-853.898	-633.585	-520.889	67.636
656.162	768.858	989.170		
IC	2.228	5.599	7.324	16.329
25.335	27.059	30.430		
SC	-1.030	-0.654	-0.461	0.544
1.550	1.743	2.119		
New/Additional Parameters				
R_IPIC	-1.345	-1.126	-1.014	-0.427
0.159	0.271	0.490		
R_SPSC	-6.691	-5.104	-4.291	-0.050
4.191	5.004	6.591		
R_RES_PC	-0.298	-0.217	-0.176	0.039
0.254	0.296	0.376		

SAMPLE STATISTICS FOR ESTIMATED FACTOR SCORES

SAMPLE STATISTICS

Means				
IC	IP	IP_SE	SP	SP_SE
	_____	_____	_____	_____
1	387.642	63.334	-15.954	7.943
30.074				

Means			
1	IC_SE	SC	SC_SE
	_____	_____	_____
1	2.238	-0.078	0.687

Covariances				
IC	IP	IP_SE	SP	SP_SE
	_____	_____	_____	_____
IP	5405.812			
IP_SE	67.346	498.038		
SP	-40.057	-28.445	48.633	
SP_SE	0.454	7.037	-0.441	0.119
IC	-116.823	-30.278	8.519	-0.434
18.041				

IC_SE	-0.133	2.021	-0.064	0.030
-0.093				
SC	3.986	-1.200	0.270	-0.015
0.264				
SC_SE	0.013	0.752	-0.039	0.012
-0.050				

Covariances

	IC_SE	SC	SC_SE	
IC_SE	0.018			
SC	-0.008	0.191		
SC_SE	0.005	-0.003	0.002	

Correlations

IC	IP	IP_SE	SP	SP_SE
IP	1.000			
IP_SE	0.041	1.000		
SP	-0.078	-0.183	1.000	
SP_SE	0.018	0.914	-0.183	1.000
IC	-0.374	-0.319	0.288	-0.296
1.000				
IC_SE	-0.013	0.670	-0.068	0.644
-0.162				
SC	0.124	-0.123	0.089	-0.099
0.142				
SC_SE	0.004	0.734	-0.123	0.760
-0.256				

Correlations

	IC_SE	SC	SC_SE
IC_SE	1.000		
SC	-0.138	1.000	
SC_SE	0.814	-0.148	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
C1	F10.3
C2	F10.3
C3	F10.3
C4	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
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

26F10.3

Save file record length 10000

Beginning Time: 08:35:21

Ending Time: 08:35:25

Elapsed Time: 00:00:04

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