SUPPLEMENTARY FILE PRESENTING MODEL CODES AND FULL STANDARDIZED SOLUTIONS FOR THE MAIN MODELS PRESENTED IN THE PAPER.

All Confirmatory Factor Analysis and Structural Equation Models were tested by EQS 6.1. Latent transition models were tested by Mplus 7.31. Thus, the model codes below must be read in conjunction with the language specification of each of these two programs.

The correlations and statistics of the variables used in the various models are presented in Supplementary Tables. Below only variables used in the model concerned are mentioned.

STUDY 1

Model 1: Model for specifying the correlation between g and the GFP at first testing wave.

```
/VARIABLES
V4=MATRICES1; V7=DEDUCTIVE1; V13=SCIENTIFIC1;
V19=P1; V20=N1; V21=E1; V22=L1;

F1=GF1; F4=GFP1; F7=P; F8=N; F9=E; F10=L;

/EQUATIONS
V4=    1F1+E4;
V7=    *F1+E7;
V13=   *F1+E13;

V27=   F4+E27;
V28= *F4+E28;
V29= *F4+E29;
V83= *F4+E83;

/VAR
F1=*;
F4=*;

All error variances were free to be estimated.

/COV
F1,F4=*;

/END
```

```
  STANDARDIZED SOLUTION:                                          R-SQUARED

 MAT1   =V4  =   .752 F1    + .659 E4                                  .566
 DED1   =V7  =   .615*F1    + .788 E7                                  .378
 SCI1   =V13 =   .723*F1    + .691 E13                                 .522
 P1     =V27 =   .494 F4    + .870 E27                                 .244
 N1     =V28 =   .528*F4    + .849 E28                                 .279
 E1     =V29 =  -.002*F4    +1.000 E29                                 .000
 L1I    =V83 =  1.000*F4    + .000 E83                                1.000

CORRELATIONS AMONG INDEPENDENT VARIABLES
                                 I F4  -  GFP1            .590*I
                                 I F1  -  GF1                  I
                                 I                            I
```

```
   GOODNESS OF FIT SUMMARY FOR METHOD = ML

 MODEL AIC =       12.540          MODEL CAIC =      -46.749
 CHI-SQUARE =        38.540 BASED ON      13 DEGREES OF FREEDOM
 PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS      .00024
 COMPARATIVE FIT INDEX (CFI)         =      .940
 STANDARDIZED RMR                    =      .062
 ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)    =      .087
 90% CONFIDENCE INTERVAL OF RMSEA  (      .056,         .119)

  RELIABILITY COEFFICIENTS
  ------------------------
  CRONBACH'S ALPHA                   =      .668
  RELIABILITY COEFFICIENT RHO        =      .777
```

Model 2: Growth model for Gf at the three testing waves; personality factors at first wave were used as factors influencing the intercept and slope of Gf growth factors.

```
/VARIABLES
V77=MGF_Z1; V78=MGF_Z2; V79=MGF_Z3;
V27=Z_P1; V28=Z_N1; V29=Z_E1; V30=Z_L1;



   F1=INTER_GF;
   F2=SLOPE_GF;


   F9=E;
   F10=L
   F11=P;
   F12=N;
```

/EQUATIONS

```
V77=   1F1+0F2+E77;
V78=   1F1+1F2+E78;
V79=   1F1+2F2+E79;


V27=  F11+E27;
V28=  F12+E28;
V29=  F9+E29;
V30=  F10+E30;


F1=0*V999+*d9+*d11+*d12+*f10+D1;
F2=0*V999+*d9+*d11+*d12+*f10+D2;

F11=*F10+D11;
F12=*F10+D12;
F9= *F10+D9;
```

```
/VAR
V999=1;

F10=*;

E77 TO E79=*;
E27 to E28 =.2;
D1 TO D2=*;
D9=*;
D11 to D12=*;

/COV
E29,E27=*;
/END
```

```
  STANDARDIZED SOLUTION:                                            R-SQUARED

 Z_P1    =V27 =   .885 F11   + .465 E27                                .784
 Z_N1    =V28 =   .894 F12   + .447 E28                                .800
 Z_E1    =V29 =   .895 F9    + .445 E29                                .802
 Z_L1    =V30 =   .895 F10   + .447 E30                                .801
 MGF_Z1  =V77 =   .887 F1    + .461 E77                                .787
 MGF_Z2  =V78 =   .899 F1    + .293 F2    + .509 E78                   .741
 MGF_Z3  =V79 =   .956 F1    + .624 F2    + .212 E79                   .955
 INTER_GF=F1  =   .000*V999  - .678*F10   + .640 D1    - .036*D9
                - .288*D11   - .216*D12                               .591
 SLOPE_GF=F2  =   .000*V999  + .266*F10   + .900 D2    + .185*D9
                + .244*D11   + .163*D12                               .190
  E       =F9  =   .029*F10   +1.000 D9                                .001
  P       =F11 =  -.598*F10   + .802 D11                               .357
  N       =F12 =  -.643*F10   + .766 D12                               .414


  GOODNESS OF FIT SUMMARY FOR METHOD = ML
          MODEL AIC =       -7.286          MODEL CAIC =       -61.921

  CHI-SQUARE =        16.714 BASED ON       12 DEGREES OF FREEDOM
  PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS        .16067


  FIT INDICES (BASED ON COVARIANCE MATRIX ONLY, NOT THE MEANS)
  COMPARATIVE FIT INDEX (CFI)           =       .997
  ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)     =       .073
  90% CONFIDENCE INTERVAL OF RMSEA  (        .026,          .119)

SATORRA-BENTLER SCALED CHI-SQUARE =     16.2722 ON      12 DEGREES OF FREEDOM
  PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS        .17908
  COMPARATIVE FIT INDEX (CFI)           =       .965
  ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)     =       .037
  90% CONFIDENCE INTERVAL OF RMSEA  (        .000,          .078)
```

Latent Transition Analysis
Model 3: Personality Influences on Cognitive Transition

```
        CATEGORICAL = Mat1 Mat2 Prop1 Prop2 Form2_1 Form2_2;
         USEVARIABLES = Mat1 Mat2 Prop1 Prop2 Form2_1 Form2_2
                  P1 N1 E1 L1;
```

```
CLASSES = c1 (2) c2 (2);
ANALYSIS: TYPE = MIXTURE;
STARTS = 20 10;
MODEL: %OVERALL%
[c2#1] (a);
c2 ON c1 P1 E1 N1 L1 (b);
c1 ON P1 E1 N1 L1;

MODEL c1: %c1#1%
  [Mat1$1 Prop1$1*-3 Scien_1$1] (1-3);
  %c1#2%
  [Mat1$1 Prop1$1*-3 Scien_1$1] (4-6);
  MODEL c2: %c2#1%
  [Mat2$1*-5 Prop2$1 Scien_2$1] (1-3);
  %c2#2%
  [Mat2$1*-5 Prop2$1 Scien_2$1] (4-6);
```

Model 4: Cognitive Influences on Personality Transition

```
    CATEGORICAL = P1L N1L L1L P2L N2L L2L;
    USEVARIABLES = P1L N1L L1L P2L N2L L2L
                   GF;

    CLASSES = c1 (2) c2 (2);
DEFINE:
GF = (Mat1 + Prop1 + Form2_1)/3;
ANALYSIS: TYPE = MIXTURE;
STARTS = 100 20;
MODEL: %OVERALL%
[c2#1] (a);
c2 ON c1 (b);
c1 ON GF;

MODEL c1: %c1#1%
    [P1L$1 N1L$1 L1L$1];
    c2 ON GF;
    %c1#2%
    [P1L$1 N1L$1 L1L$1];
    c2 ON GF;
    MODEL c2: %c2#1%
    [P2L$1 N2L$1 L2L$1];

    %c2#2%
    [P2L$1 N2L$1 L2L$1];
```

STUDY 2

Model 1: Model specifying the correlation between Gf at second testing wave and GFP

VARIABLES

F1=Gf2;
F2=GFP;

F20=SPEED2;
F21=ATCON2;
F22=WM2;
F23=RAV2;
F24=MATH2;
F151=STA-A;
F152=PLA-B;

/EQUATIONS

E =   F152 + E268;
A =   F151 + E269;
C = *F151 + E270;
N = *F151 + E271;
O = *F152 + E272;

Sp1_2 = *F20 + E64;
Sp2_2 =   F20 + E62;

DAT1_2 =   F21 + E77;
DAT2_2 = *F21 + E78;
SAT1_2 = *F21 + E80;

FDS_2 = *F22 + E29;
BDS_2 =   F22 + E30;

RAV_A2 = *F23 + E47;
RAV_B2 =   F23 + E48;
RAV_C2 = *F23 + E49;
RAV_D2 = *F23 + E50;
RAV_E2 = *F23 + E51;

ARI_2 = *F24 + E54;
PRO_2 =   F24 + E56;
ALG_2 = *F24 + E57;

F20 = F1 + D20;
F21 = *F1 + D21;
F22 = *F1 + D22;
F23 = *F1 + D23;
F24 = *F1 + D24;

F151= *F2 + D151;
F152= F2 + D152;

/VARIANCES
F1 TO F2=*;

All error variances and factor disturbances were free to be estimated.

/COVARIANCES
F1,F2=*;

 STANDARDIZED SOLUTION FOR THE MODEL ABOVE: R-SQUARED

 FDS_2   =V29 =   .810*F22   +   .586 E29   .657
 BDS_2   =V30 =   .851 F22   +   .526 E30   .724
 RAV_A_2 =V47 =   .557*F23   +   .831 E47   .310
 RAV_B_2 =V48 =   .736 F23   +   .677 E48   .542
 RAV_C_2 =V49 =   .882*F23   +   .471 E49   .778
 RAV_D_2 =V50 =   .861*F23   +   .508 E50   .742
 RAV_E_2 =V51 =   .829*F23   +   .559 E51   .687
 PROP_2 =V54 =   .801*F24   +   .598 E54   .642
 ARITH_2 =V56 =   .757 F24   +   .654 E56   .573
 ALG_2   =V58 =   .915*F24   +   .403 E57   .837
 SP1_2=V62   =   .779 F20   +   .627 E62   .607
 SP2_2=V64   =   .753*F20   +   .658 E64   .567
 DAT_LH2=V77 =   .770 F21   +   .638 E77   .594
 DAT_RH2=V78 =   .980*F21   +   .199 E78   .960
 S_ATT2 =V80 =   .447*F21   +   .895 E80   .200
 E   =V268 =   .655 F152 +   .755 E268   .429
 A   =V269 =   .484 F151 +   .875 E269   .235
 C   =V270 =   .090*F151 +   .996 E270   .008
 N   =V271 =   .329*F151 +   .944 E271   .108
 O   =V272 =   .495*F152 +   .869 E272   .245
 SPEED2 =F20 =   .949 F1   +   .316 D20   .900
 SELATT2 =F21 =   .856*F1   +   .517 D21   .733
   WM2   =F22 =   .809*F1   +   .588 D22   .654
   RAV2 =F23 =   .847*F1   +   .532 D23   .717
 MATH2   =F24 =   .953*F1   +   .302 D24   .909
 STA-A   =F151=   1.000*F2   +   .000 D151   1.000
 PLA-B   =F152=   1.000 F2   +   .000 D152   1.000

   CORRELATIONS AMONG INDEPENDENT VARIABLES

                      V   F
                      ---   ---
                                   I F2 -   Gf2   .347*I
                                   I F1 -   GFP   I
                                   I   I

   GOODNESS OF FIT SUMMARY FOR METHOD = ML
        MODEL AIC =   278.280   MODEL CAIC =   -539.221
   CHI-SQUARE =   600.280 BASED ON   161 DEGREES OF FREEDOM
   PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS   .00000

   COMPARATIVE FIT INDEX (CFI)   =   .908
   ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)   =   .079
   90% CONFIDENCE INTERVAL OF RMSEA (.072,   .086)

   RELIABILITY COEFFICIENTS

   CRONBACH'S ALPHA   =   .651
   RELIABILITY COEFFICIENT RHO   =   .816

Model 2: Mediation of α- and β- personality factors, standing for stability and plasticity, between processing and representational efficiency and first and second testing

VARIABLES

F10=SPEED1;
F11=SELATT1;
F20=speed2;
F21=SELATT2;

F12=WM1;
F22=WM2;

F13=RAV1;
F14=MATH1;

F23=RAV2;
F24=MATH2;

F151=STA-A;
F152=PLA-B;

F100=PrEf1;
F200=RIP1;
F300=PrEf2;
F400=RIP2;

/EQUATIONS

V63 = *F10 + E63;
V61 =   F10 + E61;

V75 = *F11 + E75;
V76 =   F11 + E76;
V79 = *F11 + E79;

V27 = *F12 + E27;
V28 =   F12 + E28;

V41 = *F13 + E41;
V42 =   F13 + E42;
V43 = *F13 + E43;
V44 = *F13 + E44;
V45 = *F13 + E45;

V53 = *F14 + E53;
V55 =   F14 + E55;
V57 = *F14 + E57;

V268 =   F152 + E268;
V269 =   F151 + E269;
V270 = *F151 + E270;
V271 = *F151 + E271;
V272 = *F152 + E272;

V64 = *F20 + E64;

```
V62 =    F20 + E62;


V77 =   *F21 + E77;
V78 =    F21 + E78;
V80 =   *F21 + E80;


V29 =   *F22 + E29;
V30 =    F22 + E30;


V47 =   *F23 + E47;
V48 =    F23 + E48;
V49 =   *F23 + E49;
V50 =   *F23 + E50;
V51 =   *F23 + E51;


V54 =   *F24 + E54;
V56 =    F24 + E56;
V58 =   *F24 + E57;


F10 = *F100 + D10;
F11 =  F100 + D11;


F12 = *F200 + D12;
F13 = *F200 + D13;
F14 =  F200 + D14;


F20 =  F300+ D20;
F21 = *F300+ D21;


F22 = *F400 + D22;
F23 =  F400 + D23;
F24 = *F400 + D24;


F151= *F100 + *F200 + D151;
F152= *F100 + *F200 + D152;


F300= *F151 + *F152 + D300;
F400= *F151 + 0F152 + D400;

   STANDARDIZED SOLUTION:                                                              R-SQUARED

  FDS_1   =V27 =      .760*F12   +    .650 E27                                            .578
  BDS_1   =V28 =      .836 F12   +    .549 E28                                            .698
  FDS_2   =V29 =      .791*F22   +    .612 E29                                            .626
  BDS_2   =V30 =      .812 F22   +    .584 E30                                            .659
  RAV_A_1 =V41 =      .719*F13   +    .695 E41                                            .517
  RAV_B_1 =V42 =      .770 F13   +    .638 E42                                            .593
  RAV_C_1 =V43 =      .877*F13   +    .481 E43                                            .768
  RAV_D_1 =V44 =      .849*F13   +    .528 E44                                            .721
  RAV_E_1 =V45 =      .822*F13   +    .569 E45                                            .676
  RAV_A_2 =V47 =      .553*F23   +    .833 E47                                            .305
  RAV_B_2 =V48 =      .768 F23   +    .640 E48                                            .590
  RAV_C_2 =V49 =      .882*F23   +    .472 E49                                            .777
  RAV_D_2 =V50 =      .859*F23   +    .512 E50                                            .738
  RAV_E_2 =V51 =      .808*F23   +    .590 E51                                            .652
  PROP_1  =V53 =      .733*F14   +    .680 E53                                            .538
  PROP_2  =V54 =      .697*F24   +    .717 E54                                            .486
  ARITH_1 =V55 =      .756 F14   +    .655 E55                                            .571
  ARITH_2 =V56 =      .755 F24   +    .656 E56                                            .569
```

```
ALG_1   =V57 =    .950*F14   +   .313 E57                              .902
ALG_2   =V58 =    .947*F24   +   .321 E57                              .897
SP1_1   =V61 =    .811 F10   +   .585 E61                              .658
SP2_2   =V62 =    .812 F20   +   .584 E62                              .659
SP2_1   =V63 =    .739*F10   +   .674 E63                              .546
SP2_2   =V64 =    .791*F20   +   .611 E64                              .626
DAT_LH1=V75  =    .791*F11   +   .612 E75                              .625
DAT_RH1=V76  =    .968 F11   +   .250 E76                              .937
DAT_LH2=V77  =    .759*F21   +   .651 E77                              .576
DAT_RH2=V78  =    .969 F21   +   .246 E78                              .939
S_ATT1 =V79  =    .512*F11   +   .859 E79                              .262
S_ATT2 =V80  =    .439*F21   +   .898 E80                              .193
E      =V268 =    .320 F152  +   .947 E268                             .103
A      =V269 =    .134 F151  +   .991 E269                             .018
C      =V270 =   -.232*F151  +   .973 E270                             .054
N      =V271 =    .180*F151  +   .984 E271                             .033
O      =V272 =    .084*F152  +   .996 E272                             .007
SPEED1  =F10 =    .984*F100  +   .179 D10                              .968
SELATT1 =F11 =    .956 F100  +   .294 D11                              .914
  WM1   =F12 =    .858*F200  +   .514 D12                              .736
  RAV1  =F13 =    .907*F200  +   .421 D13                              .823
MATH1   =F14 =    .931 F200  +   .364 D14                              .868
SPEED2  =F20 =    .948 F300  +   .320 D20                              .898
SELATT2 =F21 =    .981*F300  +   .196 D21                              .962
  WM2   =F22 =    .864*F400  +   .503 D22                              .747
  RAV2  =F23 =    .918 F400  +   .397 D23                              .843
MATH2   =F24 =    .934*F400  +   .358 D24                              .872
STA-A   =F151=    .074*F100  +   .939*F200  +   .039 D151              .999
PLA-B   =F152=    .929*F100  +   .087*F200  +   .017 D152             1.000
PREF2   =F300=   -.022*F151  +   .960*F152  +   .337 D300              .886
  RIP2  =F400=   1.000*F151  +   .006 D400                            1.000
```

```
CORRELATIONS AMONG INDEPENDENT VARIABLES
----------------------------------------

                      V                               F
                     ---                             ---
                            I F200-  RIP1            .800*I
                            I F100-PREF1                  I
                            I                              I


GOODNESS OF FIT SUMMARY FOR METHOD = ML

        MODEL AIC =      751.868         MODEL CAIC =   -2009.120

CHI-SQUARE =     1839.868 BASED ON     544 DEGREES OF FREEDOM
PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS       .00000


COMPARATIVE FIT INDEX (CFI)           =       .891
ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)    =     .074
90% CONFIDENCE INTERVAL OF RMSEA  (         .070,          .078)


RELIABILITY COEFFICIENTS
------------------------
CRONBACH'S ALPHA                      =       .826
RELIABILITY COEFFICIENT RHO           =       .845
```

 Model 3: Mediation the Big Five personality factors, standing for stability and plasticity, between processing and representational efficiency and first and second testing

```
STANDARDIZED SOLUTION:                                              R-SQUARED

  FDS_1    =V27 =     .765*F12   +   .644 E27                            .585
  BDS_1    =V28 =     .825 F12    +   .565 E28                            .680
  FDS_2    =V29 =     .803*F22   +   .597 E29                            .644
  BDS_2    =V30 =     .811 F22    +   .585 E30                            .658
  RAV_A_1  =V41 =     .724*F13   +   .690 E41                            .524
  RAV_B_1  =V42 =     .782 F13    +   .623 E42                            .611
  RAV_C_1  =V43 =     .882*F13   +   .471 E43                            .778
  RAV_D_1  =V44 =     .854*F13   +   .521 E44                            .729
  RAV_E_1  =V45 =     .795*F13   +   .607 E45                            .631
  RAV_A_2  =V47 =     .567*F23   +   .824 E47                            .321
  RAV_B_2  =V48 =     .787 F23    +   .617 E48                            .619
  RAV_C_2  =V49 =     .889*F23   +   .457 E49                            .791
  RAV_D_2  =V50 =     .869*F23   +   .494 E50                            .756
  RAV_E_2  =V51 =     .787*F23   +   .616 E51                            .620
  PROP_1   =V53 =     .711*F14   +   .703 E53                            .506
  PROP_2   =V54 =     .761*F24   +   .649 E54                            .579
  ARITH_1  =V55 =     .806 F14    +   .592 E55                            .649
  ARITH_2  =V56 =     .790 F24    +   .613 E56                            .624
  ALG_1    =V57 =     .899*F14   +   .438 E57                            .809
  ALG_1    =V58 =     .882*F24   +   .472 E58                            .778
  SP1_1    =V61 =     .804 F10    +   .594 E61                            .647
  SP2_2    =V62 =     .798 F20    +   .602 E62                            .638
  SP2_1    =V63 =     .724*F10   +   .689 E63                            .525
  SP2_2    =V64 =     .769*F20   +   .639 E64                            .592
  DAT_LH1  =V75 =     .780*F11   +   .626 E75                            .608
  DAT_RH1  =V76 =     .969 F11    +   .246 E76                            .940
  DAT_LH2  =V77 =     .755*F21   +   .656 E77                            .570
  DAT_RH2  =V78 =     .978 F21    +   .210 E78                            .956
  S_ATT1   =V79 =     .513*F11   +   .858 E79                            .263
  S_ATT2   =V80 =     .446*F21   +   .895 E80                            .199
  E        =V268=     .999 F701   +   .047 E268                           .998
```

```
A        =V269=     .999 F702  +   .049 E269                                    .998
C        =V270=     .999 F703  +   .044 E270                                    .998
N        =V271=     .999 F704  +   .044 E271                                    .998
O        =V272=     .998 F705  +   .057 E272                                    .997
F10      =F10 =     .934*F100  +   .358 D10                                     .872
F11      =F11 =     .835 F100  +   .551 D11                                     .697
F12      =F12 =     .847*F200  +   .532 D12                                     .717
F13      =F13 =     .837*F200  +   .547 D13                                     .701
F14      =F14 =     .962 F200  +   .274 D14                                     .925
F20      =F20 =     .939 F300  +   .343 D20                                     .882
F21      =F21 =     .935*F300  +   .353 D21                                     .875
F22      =F22 =     .856*F400  +   .517 D22                                     .732
F23      =F23 =     .875 F400  +   .485 D23                                     .765
F24      =F24 =    1.000*F400  +   .023 D24                                     .999
RIP1     =F200=    1.000*F100  +   .024 D200                                    .999
PREF2    =F300=     .366 D300  -   .296*D701  +   .366*D702
                 -  .256*D703  +   .264*D704  +   .714*D705                     .866
RIP2     =F400=     .160 D400  -   .381*D701  +   .333*D702
                 -  .264*D703  +   .351*D704  +   .725*D705                     .974
E        =F701=     .527*F100  +   .212*D200  +   .823 D701                     .322
A        =F702=    -.169*F100  +   .322*D200  +   .932 D702                     .132
C        =F703=    -.023*F100  +   .243*D200  +   .970 D703                     .059
N        =F704=    -.139*F100  +   .161*D200  +   .977 D704                     .045
O        =F705=    -.058*F100  +   .977*D200  +   .207 D705                     .957
```

GOODNESS OF FIT SUMMARY FOR METHOD = ML

CHI-SQUARE =   3657.281 BASED ON   568 DEGREES OF FREEDOM
PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS   .00000

FIT INDICES
COMPARATIVE FIT INDEX (CFI)   =   .996
ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)   =   .112
90% CONFIDENCE INTERVAL OF RMSEA (.108,   .115)

RELIABILITY COEFFICIENTS

CRONBACH'S ALPHA   =   .837

Latent transition analysis examining the effect of personality factors in cognitive transition across the two testing waves.

Model 4: Personality influencing cognitive transition

```
      CATEGORICAL = ar_cl1 ar_cl2 alg_cl1 alg_cl2 pro_cl1 pro_cl2 rav_cl1 rav_cl2;

      USEVARIABLES = ar_cl1 ar_cl2
                     alg_cl1 alg_cl2
                     pro_cl1 pro_cl2
                     rav_cl1 rav_cl2
                     nstrinc1 bds_1
                     A_PERS B_PERS;

     CLASSES = c1 (2) c2 (2);

ANALYSIS: TYPE = MIXTURE;
STARTS = 100 50;
MODEL: %OVERALL%
[c2#1] (a);
c2 ON c1 (b);

c1 ON nstrinc1 bds_1 A_PERS B_PERS;

MODEL c1: %c1#1%
[ar_cl1$1 alg_cl1$1 pro_cl1$1 rav_cl1$1] (1-4);
c2 ON nstrinc1 bds_1 A_PERS B_PERS;
%c1#2%
[ar_cl1$1 alg_cl1$1 pro_cl1$1 rav_cl1$1] (5-8);
c2 ON nstrinc1 bds_1 A_PERS B_PERS;
MODEL c2: %c2#1%
[ar_cl2$1 alg_cl2$1 pro_cl2$1 rav_cl2$1] (1-4);

%c2#2%
[ar_cl2$1 alg_cl2$1 pro_cl2$1 rav_cl2$1] (5-8);
```

STUDY 3

Model 1: The model specifying relations between Gf, GFP, and EI after partialing out the effect of likeability.

VARIABLES

V347=LIKEABILITY;

F1=COGN;
F2=GFP;
F3=G;
F4=SCH;

F11=GF;
F12=COGN_SSS;
F13=COGN_S;
F14=SEA;

F41=GR;
F42=MATH;
F43=SCI;

F21=N;
F22=C;
F23=O;
F24=A;
F25=E;

F31=T_EI_SK-C;
F32=T_EI_STA;
F33=T_EI_SENS;
F34=A_EI_REC;
F35=A_EI_DEF;

F211=A_STA;
F212=B_PLA;

F311=EIt;
F312=EIa;

/EQU

V338= F11+E338;
V339=*F11+E339;
V340=*F11+E340;
V341=*F11+E341;
V342=*F11+E342;

V297= *V397+ F12+E297;
V299= *V397+ *F12+E299;
V300= *V397+ *F12+E300;
V302= *V397+ *F12+E302;
V305= *V397+ *F12+E305;

V41= *V397+ F13+E41;
V42= *V397+ *F13+E42;
V90= *V397+ *F13+E90;

V279= *V397+ *F14+E279;

```
V280= *V397+  F14+E280;
V282= *V397+ *F14+E282;
V283= *V397+ *F14+E283;


V310= *V397+  F22+E310;
V311= *V397+ *F22+E311;


V312= *V397+  F21+E312;
V313= *V397+ *F21+E313;


V314= *V397+  F25+E314;
V316= *V397+ *F25+E316;


V317= *V397+  F24+E317;
V318= *V397+ *F24+E318;


V320= *V397+  F23+E320;
V321= *V397+ *F23+E321;



V196= *V397+  F31+E196;
V197= *V397+ *F31+E197;
V199= *V397+ *F31+E199;
V200= *V397+ *F31+E200;


V194= *V397+  F32+E194;
V187= *V397+ *F32+E187;
V210= *V397+ *F32+E210;
V214= *V397+ *F32+E214;


V192= *V397+  F33+E192;
V198= *V397+ *F33+E198;
V204= *V397+ *F33+E204;
V205= *V397+ *F33+E205;



V369=  F34+E369;
V370= *F34+E370;
V371= *F34+E371;
V372= *F34+E372;


V373=  F35+E373;
V374= *F35+E374;
V375= *F35+E375;


F11 = *F3+D11;


F12 = F1+D12;
F13 =*F1+D13;
F14 =*F1+D14;


F21 =*F211+D21;
F22 =*F211+D22;
F23 =*F212+D23;
F24 = F211+D24;
F25 = F212+D25;


F31 =*F311+D31;
F32 =*F311+D32;
F33 = F311+D33;
F34 =*F312+D34;
F35 = F312+D35;
```

```
F211=*F2+D211;
F212= F2+D212;

F311=*F2+D311;
F312= F3+D312;
```

/VAR

F1 TO F3=*;

All error variances and factor disturbances were free to be estimated.

/COV

F1 TO F3=*;

/END

```
  STANDARDIZED SOLUTION:                                              R-SQUARED

 SR1SELFR=V41 =     .414 F13   +  .334*V397  +  .847 E41               .283
 SR2SELFR=V42 =     .557*F13   +  .277*V397  +  .783 E42               .387
 SR50SELF=V90 =     .565*F13   +  .284*V397  +  .775 E90               .400
   EI8   =V187=     .598*F32   +  .071*V397  +  .799 E187              .362
   EI13  =V192=     .633 F33   +  .135*V397  +  .762 E192              .419
   EI15  =V194=     .762 F32   -  .003*V397  +  .648 E194              .580
   EI17  =V196=     .573 F31   +  .058*V397  +  .817 E196              .332
   EI18  =V197=     .623*F31   +  .136*V397  +  .770 E197              .407
   EI19  =V198=     .650*F33   +  .195*V397  +  .734 E198              .461
   EI20  =V199=     .613*F31   +  .069*V397  +  .787 E199              .381
   EI21  =V200=     .486*F31   +  .203*V397  +  .850 E200              .277
   EI25  =V204=     .712*F33   +  .180*V397  +  .678 E204              .540
   EI26  =V205=     .547*F33   +  .355*V397  +  .758 E205              .426
   EI31  =V210=     .584*F32   +  .073*V397  +  .808 E210              .346
   EI35  =V214=     .509*F32   +  .095*V397  +  .855 E214              .269
 SEA_F1  =V279=     .361*F14   -  .050*V397  +  .931 E279              .133
 SEA_SD1 =V280=     .462 F14   -  .178*V397  +  .869 E280              .245
 SEA_MT5 =V282=     .339*F14   -  .170*V397  +  .925 E282              .144
 SEA_S1  =V283=     .279*F14   -  .080*V397  +  .957 E283              .084
 SRMATH1  =V297=    .304 F12   +  .387*V397  +  .871 E297              .242
 SRSUP1  =V299=     .771*F12   +  .219*V397  +  .598 E299              .642
 SRSUP2  =V300=     .683*F12   +  .200*V397  +  .702 E300              .507
 SRSOC2  =V302=     .716*F12   +  .226*V397  +  .661 E302              .563
 SRSPOR  =V305=     .301*F12   +  .466*V397  +  .832 E305              .307
 F2ACHIE =V310=     .645 F22   +  .234*V397  +  .727 E310              .471
 F2ORG   =V311=     .953*F22   +  .179*V397  +  .246 E311              .939
 F1EMO   =V312=     .485 F21   -  .065*V397  +  .872 E312              .239
 F1EGO   =V313=     .998*F21   -  .063*V397  +  .000 E313             1.000
 F5PROS  =V314=     .704 F25   +  .068*V397  +  .707 E314              .500
 F5EXT   =V316=     .724*F25   +  .204*V397  +  .659 E316              .566
 F4HELP  =V317=     .719 F24   +  .108*V397  +  .687 E317              .528
 F4AGR   =V318=     .898*F24   +  .083*V397  +  .431 E318              .814
 F3INTE  =V320=     .925 F23   +  .378*V397  +  .042 E320              .998
 F3OPEN  =V321=     .476*F23   +  .186*V397  +  .859 E321              .262
 SPATIAL =V338=     .604 F11   +  .797 E338                           .365
 QUANT   =V339=     .644*F11   +  .765 E339                           .415
 CAUSAL  =V340=     .791*F11   +  .612 E340                           .625
   QUAL  =V341=     .601*F11   +  .799 E341                           .362
 SOCIAL  =V342=     .601*F11   +  .799 E342                           .361
   TCWL  =V369=     .441 F34   +  .898 E369                           .194
   PEGD  =V370=     .594*F34   +  .804 E370                           .353
```

```
COMEM   =V371=    .773*F34   +  .635 E371                                    .597
STORY   =V372=    .523*F34   +  .852 E372                                    .274
FAC_JOY =V373=    .444*F35   +  .896 E373                                    .197
FAC_GRIF=V374=    .558*F35   +  .830 E374                                    .311
FAC_SURP=V375=    .823*F35   +  .568 E375                                    .678
 GF     =F11 =    .833*F3    +  .554 D11                                     .693
COGN_SSS=F12 =    .994 F1    +  .112 D12                                     .987
COGN_S  =F13 =    .364*F1    +  .931 D13                                     .133
SEA     =F14 =    .808*F1    +  .589 D14                                     .654
 N      =F21 =    .027*F211  + 1.000 D21                                     .001
 C      =F22 =    .667*F211  +  .745 D22                                     .445
 O      =F23 =    .589*F212  +  .808 D23                                     .347
 A      =F24 =    .677 F211  +  .736 D24                                     .459
 E      =F25 =    .509 F212  +  .861 D25                                     .259
T_EI_SR =F31 =    .870*F311  +  .493 D31                                     .757
T_EI_STA=F32 =   -.240*F311  +  .971 D32                                     .057
T_EI_Esis=F33=    .706 F311  +  .709 D33                                     .498
A_EI_Spe=F34 =    .934*F312  +  .358 D34                                     .872
A_EI_Det=F35 =    .678 F312  +  .735 D35                                     .460
A_STA   =F211=    .920*F2    +  .393 D211                                    .846
B_PLA   =F212=    .995 F2    +  .097 D212                                    .991
  EIt =F311=    .671*F2    +  .741 D311                                      .451
  EIa =F312=    .994 F3    +  .105 D312                                      .989

 CORRELATIONS AMONG INDEPENDENT VARIABLES
 ----------------------------------------


               V                            F
              ---                          ---
                      I F2  -  GFP           .620*I
                      I F1  -  E1                 I
                      I                           I
                      I F3  -  G              .665*I
                      I F1  -  E1                 I
                      I                           I
                      I F3  -  G              .420*I
                      I F2  -  GFP                I
                      I                           I


   GOODNESS OF FIT SUMMARY FOR METHOD = ML


        MODEL AIC =      38.106          MODEL CAIC =   -4602.386
 CHI-SQUARE =     2098.106 BASED ON    1030 DEGREES OF FREEDOM
 PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS       .00000


 COMPARATIVE FIT INDEX (CFI)            =       .992
 ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)    =       .065
 90% CONFIDENCE INTERVAL OF RMSEA  (         .061,          .069)

 RELIABILITY COEFFICIENTS
 -----------------------
 CRONBACH'S ALPHA                  =       .815
```

Model 2: Bottom-up mediation of cognizance between cognitive and personality factors.

```
STANDARDIZED SOLUTION:                                          R-SQUARED

SR1SELFR=V41 =    .234 F13   +  .972 E41                                     .055
SR2SELFR=V42 =    .392*F13   +  .920 E42                                     .154
SR50SELF=V90 =    .999*F13   +  .034 E90                                     .999
```

```
   EI8    =V187=    .620*F32   +   .785 E187                                      .384
   EI13   =V192=    .657 F33   +   .753 E192                                      .432
   EI15   =V194=    .747 F32   +   .665 E194                                      .557
   EI17   =V196=    .614 F31   +   .790 E196                                      .377
   EI18   =V197=    .622*F31   +   .783 E197                                      .387
   EI19   =V198=    .650*F33   +   .760 E198                                      .423
   EI20   =V199=    .645*F31   +   .764 E199                                      .416
   EI21   =V200=    .480*F31   +   .877 E200                                      .231
   EI25   =V204=    .778*F33   +   .628 E204                                      .605
   EI26   =V205=    .606*F33   +   .796 E205                                      .367
   EI31   =V210=    .574*F32   +   .819 E210                                      .330
   EI35   =V214=    .500*F32   +   .866 E214                                      .250
 HAI_F1  =V279=    .407 F14   +   .914 E279                                      .165
 HAI_SD1 =V280=    .521*F14   +   .853 E280                                      .272
 HAI_MT5 =V282=    .352*F14   +   .936 E282                                      .124
 HAI_S1  =V283=    .281*F14   +   .960 E283                                      .079
 BOTTLE  =V285=    .738 F1    +   .674 E285                                      .545
   CAR    =V286=    .508*F1    +   .861 E286                                      .258
   NA     =V288=    .535 F2    +   .845 E288                                      .287
   NS     =V289=    .691*F2    +   .723 E289                                      .477
 SEEDS   =V290=    .660 F3    +   .751 E290                                      .435
   COMB   =V291=    .566*F3    +   .824 E291                                      .321
 MAT_1   =V292=    .439 F4    +   .899 E292                                      .193
 MAT_2   =V293=    .747*F4    +   .665 E293                                      .557
 SOC_A   =V295=    .812 F5    +   .583 E295                                      .660
 SOC_B   =V296=    .687*F5    +   .727 E296                                      .472
 MATH1   =V297=    .384 F12   +   .923 E297                                      .147
   SUP1   =V299=    .784*F12   +   .620 E299                                      .615
   SUP2   =V300=    .726*F12   +   .688 E300                                      .527
   SOC2   =V302=    .731*F12   +   .682 E302                                      .535
   SPOR   =V305=    .413*F12   +   .911 E305                                      .171
 F2ACHIE =V310=    .716 F22   +   .698 E310                                      .513
 F2ORG   =V311=    .932*F22   +   .363 E311                                      .868
 F1EMO   =V312=    .999 F21   +   .036 E312                                      .999
 F1EGO   =V313=    .484*F21   +   .875 E313                                      .235
 F5PROS  =V314=    .689 F25   +   .724 E314                                      .475
 F5EXT   =V316=    .751*F25   +   .660 E316                                      .564
 F4HELP  =V317=    .729 F24   +   .685 E317                                      .531
 F4AGR   =V318=    .877*F24   +   .480 E318                                      .769
 F3INTE  =V320=    .823 F23   +   .568 E320                                      .677
 F3OPEN  =V321=    .583*F23   +   .813 E321                                      .339
   TCWL   =V369=    .376 F34   +   .926 E369                                      .142
   PEGD   =V370=    .596*F34   +   .803 E370                                      .356
 COMEM   =V371=    .788*F34   +   .616 E371                                      .621
 STORY   =V372=    .530*F34   +   .848 E372                                      .280
 FAC_JOY =V373=    .440 F35   +   .898 E373                                      .194
 FAC_GRIF=V374=    .521*F35   +   .854 E374                                      .271
 FAC_SURP=V375=    .885*F35   +   .466 E375                                      .783
   SPAC  =F1  =    .572*F10   +   .820 D1                                        .327
   QUA   =F2  =    .964*F10   +   .267 D2                                        .929
   EXP   =F3  =   1.000*F10   +   .000 D3                                       1.000
 IND_M   =F4  =    .894 F10   +   .447 D4                                        .800
   SOCI  =F5  =    .848*F10   +   .530 D5                                        .719
   G     =F10 =    .871*V3    +   .491 D10                                       .759
 COGN_SSS=F12 =    .910*F20   +   .415 D12                                       .828
 COGN_S  =F13 =    .414*F20   +   .910 D13                                       .171
 HA_EV   =F14 =    .549 F20   +   .836 D14                                       .302
   COGN  =F20 =    .302*F10   +   .122*D1   +   .708*D2   +   .088*D4
                 +   .144*D5   +   .262 D20   +   .233*D34   +   .492*D35         .932
   N     =F21 =   -.090*F30   +   .996 D21                                       .008
   C     =F22 =    .633*F30   +   .774 D22                                       .400
   O     =F23 =    .733 F30   +   .680 D23                                       .538
   A     =F24 =    .675*F30   +   .738 D24                                       .455
```

```
  E    =F25 =    .533*F30  +  .846 D25                                    .284
  GFP  =F30 =    .720*F20  +  .694 D30                                    .518
T_EI_SK-=F31 =   .668*F30  +  .744 D31                                    .446
T_EI_STA=F32 =  -.211*F30  +  .977 D32                                    .045
T_EI_SEN=F33 =   .572*F30  +  .820 D33                                    .327
A_EI_REC=F34 =   .899*F10  +  .438 D34                                    .808
A_EI_DEF=F35 =   .501*F10  +  .866 D35                                    .251


   GOODNESS OF FIT SUMMARY FOR METHOD = ML
   MODEL AIC =    -174.070        MODEL CAIC =   -5789.731
   CHI-SQUARE =    2327.930 BASED ON    1251 DEGREES OF FREEDOM
   PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS       .00000

   COMPARATIVE FIT INDEX (CFI)         =       .997
   ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)    =       .060
   90% CONFIDENCE INTERVAL OF RMSEA  (        .056,         .063)

   RELIABILITY COEFFICIENTS
   -----------------------
   CRONBACH'S ALPHA                    =       .805
```

Model 3: Top-down mediation of cognizance between personality and cognitive factors.

```
   STANDARDIZED SOLUTION:                                              R-SQUARED

 SR1SELFR=V41 =    .469 F13   +  .883 E41                                 .220
 SR2SELFR=V42 =    .857*F13   +  .516 E42                                 .734
 SR50SELF=V90 =    .453*F13   +  .891 E90                                 .206
  EI8   =V187=    .636*F32    +  .772 E187                                .405
  EI13  =V192=    .668 F33    +  .744 E192                                .446
  EI15  =V194=    .734 F32    +  .679 E194                                .539
  EI17  =V196=    .609 F31    +  .793 E196                                .371
  EI18  =V197=    .622*F31    +  .783 E197                                .387
  EI19  =V198=    .636*F33    +  .772 E198                                .404
  EI20  =V199=    .627*F31    +  .779 E199                                .393
  EI21  =V200=    .516*F31    +  .856 E200                                .267
  EI25  =V204=    .782*F33    +  .624 E204                                .611
  EI26  =V205=    .609*F33    +  .793 E205                                .371
  EI31  =V210=    .572*F32    +  .820 E210                                .328
  EI35  =V214=    .511*F32    +  .859 E214                                .261
 HAI_F1 =V279=    .348 F14    +  .938 E279                                .121
 HAI_SD1 =V280=   .457*F14    +  .889 E280                                .209
 HAI_MT5 =V282=   .443*F14    +  .896 E282                                .196
 HAI_S1 =V283=    .258*F14    +  .966 E283                                .067
 BOTTLE =V285=    .715 F1     +  .699 E285                                .511
  CAR   =V286=    .510*F1     +  .860 E286                                .260
  NA    =V288=    .501 F2     +  .866 E288                                .251
  NS    =V289=    .647*F2     +  .762 E289                                .419
 SEEDS  =V290=    .638 F3     +  .770 E290                                .407
  COMB  =V291=    .555*F3     +  .832 E291                                .308
 MAT_1  =V292=    .476 F4     +  .879 E292                                .227
 MAT_2  =V293=    .705*F4     +  .709 E293                                .497
 SOC_A  =V295=    .805 F5     +  .593 E295                                .649
 SOC_B  =V296=    .659*F5     +  .752 E296                                .434
 MATH1  =V297=    .363 F12    +  .932 E297                                .132
  SUP1  =V299=    .780*F12    +  .626 E299                                .608
  SUP2  =V300=    .710*F12    +  .705 E300                                .504
  SOC2  =V302=    .743*F12    +  .669 E302                                .552
  SPOR  =V305=    .394*F12    +  .919 E305                                .155
```

```
 F2ACHIE =V310=    .743 F22   +  .669 E310                                       .552
 F2ORG   =V311=    .901*F22   +  .434 E311                                       .811
 F1EMO   =V312=    .484 F21   +  .875 E312                                       .235
 F1EGO   =V313=    .999*F21   +  .033 E313                                       .999
F5PROS   =V314=    .578 F25   +  .816 E314                                       .335
 F5EXT   =V316=    .896*F25   +  .445 E316                                       .802
 F4HELP  =V317=    .681 F24   +  .733 E317                                       .463
 F4AGR   =V318=    .943*F24   +  .333 E318                                       .889
 F3INTE  =V320=    .999 F23   +  .043 E320                                       .998
 F3OPEN  =V321=    .480*F23   +  .877 E321                                       .230
  TCWL   =V369=    .355 F34   +  .935 E369                                       .126
  PEGD   =V370=    .573*F34   +  .820 E370                                       .328
COMEM    =V371=    .769*F34   +  .640 E371                                       .591
STORY    =V372=    .503*F34   +  .864 E372                                       .253
FAC_JOY  =V373=    .418 F35   +  .908 E373                                       .175
FAC_GRIF =V374=    .526*F35   +  .850 E374                                       .277
FAC_SURP =V375=    .877*F35   +  .480 E375                                       .769
  SPAC   =F1  =    .534*F10   +  .845 D1                                         .285
  QUA    =F2  =    .967*F10   +  .255 D2                                         .935
  EXP    =F3  =    .994*F10   +  .107 D3                                         .988
IND_M    =F4  =    .866 F10   +  .499 D4                                         .751
  SOCI   =F5  =    .844*F10   +  .536 D5                                         .712
  G      =F10 =    .932*F20   +  .362 D10                                        .869
COGN_SSS =F12 =    .412*F20   +  .911 D12                                        .170
COGN_S   =F13 =   -.190*F20   +  .982 D13                                        .036
HA_EV    =F14 =    .986 F20   +  .169 D14                                        .971
  COGN   =F20 =   -.407*F30   +  .171 D20   +  .172*D21   +  .320*D22
                 +  .345*D23   +  .434*D24   +  .088*D25   +  .284*D31
                 -  .437*D32   +  .294*D33                                       .971
  N      =F21 =   -.091*F30   +  .996 D21                                        .008
  C      =F22 =    .636*F30   +  .772 D22                                        .404
  O      =F23 =    .633 F30   +  .774 D23                                        .401
  A      =F24 =    .535*F30   +  .845 D24                                        .287
  E      =F25 =    .489*F30   +  .872 D25                                        .239
  GFP    =F30 =   -.476*V3    +  .880 D30                                        .226
T_EI_SK- =F31 =    .567*F30   +  .823 D31                                        .322
T_EI_STA =F32 =   -.079*F30   +  .997 D32                                        .006
T_EI_SEN =F33 =    .493*F30   +  .870 D33                                        .243
A_EI_REC =F34 =    .906*F10   +  .423 D34                                        .821
A_EI_DEF =F35 =    .520*F10   +  .854 D35                                        .270


     GOODNESS OF FIT SUMMARY FOR METHOD = ML

         MODEL AIC =        2.466          MODEL CAIC =    -5617.684
     CHI-SQUARE =     2506.466 BASED ON    1252 DEGREES OF FREEDOM
     PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS         .00000

     COMPARATIVE FIT INDEX (CFI)           =        .996
     ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)    =       .064
     90% CONFIDENCE INTERVAL OF RMSEA  (        .061,          .068)

     RELIABILITY COEFFICIENTS
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     CRONBACH'S ALPHA                      =        .805
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Model 4: Model testing effects on school performance.

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  STANDARDIZED SOLUTION:                                          R-SQUARED

 SOCIAL  =V342=    .428*F11   +  .904 E342                                       .183
   TCWL  =V369=    .420 F34   +  .908 E369                                       .176
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  PEGD    =V370=    .607*F34   + .795 E370                                          .369
COMEM    =V371=    .671*F34   + .741 E371                                          .450
STORY    =V372=    .396*F34   + .918 E372                                          .157
FAC_JOY  =V373=    .411 F35   + .912 E373                                          .169
FAC_GRIF =V374=    .419*F35   + .908 E374                                          .175
FAC_SURP =V375=    .877*F35   + .481 E375                                          .768
GREEK    =V376=    .964 F4    + .266 E376                                          .929
MATHS    =V377=    .855*F4    + .518 E377                                          .731
  COGN   =F1  =    .222*F11   + .975 D1                                            .049
  GFP    =F2  =   -.170*F11   + .587*D1    + .792 D2                               .373
  GEI    =F3  =    .441*F11   + .583*D1    + .452*D2    + .511 D3                   .739
  SCH    =F4  =    .170*F11   + .345*D1    + .350*D2    + .854 D4                   .271
  GF     =F11 =    .704*V3    + .710 D11                                           .496
COGN_SSS =F12 =    .997 F1    + .075 D12                                           .994
COGN_S   =F13 =    .349*F1    + .937 D13                                           .122
HA_EV    =F14 =    .265*F1    + .752*D11   + .550 D14                              .698
  N      =F21 =   -.208*F211  + .978 D21                                           .043
  C      =F22 =    .927*F211  + .374 D22                                           .860
  O      =F23 =    .663*F212  + .749 D23                                           .439
  A      =F24 =    .625 F211  + .781 D24                                           .390
  E      =F25 =    .431 F212  + .903 D25                                           .185
T_EI_SK- =F31 =    .730*F311  + .684 D31                                           .533
T_EI_STA =F32 =   -.359*F311  + .933 D32                                           .129
T_EI_SEN =F33 =    .719 F311  + .695 D33                                           .517
A_EI_REC =F34 =    .677*F312  + .736 D34                                           .459
A_EI_DEF =F35 =    .797 F312  + .604 D35                                           .635
A_STA    =F211=    .881*F2    + .473 D211                                          .776
B_PLA    =F212=    .989 F2    + .147 D212                                          .978
  EIt    =F311=    .828*F3    + .560 D311                                          .686
  EIA    =F312=    .995 F3    + .095 D312                                          .991
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CORRELATIONS AMONG INDEPENDENT VARIABLES
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                    E                        D
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E341-  QUAL              .329*I                          I
E282-SEA_MT5                 I                           I
                             I                           I


GOODNESS OF FIT SUMMARY FOR METHOD = ML

          MODEL AIC =     -504.511        MODEL CAIC =    -5026.663

  CHI-SQUARE =     1701.489 BASED ON    1103 DEGREES OF FREEDOM
  PROBABILITY VALUE FOR THE CHI-SQUARE STATISTIC IS        .00000

  COMPARATIVE FIT INDEX (CFI)           =       .994
ROOT MEAN-SQUARE ERROR OF APPROXIMATION (RMSEA)     =       .058
  90% CONFIDENCE INTERVAL OF RMSEA  (         .052,         .063)

  RELIABILITY COEFFICIENTS
  ------------------------
  CRONBACH'S ALPHA                      =       .802
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