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Mplus VERSION 8.8
MUTHEN & MUTHEN
08/14/2022 3:37 PM
INPUT INSTRUCTIONS
  TITLE: covid data cpa(2);
  DATA: FILE IS wave13.csv;
  VARIABLE: NAMES ARE prebike frebike intent wave educ age income hhveh bike prebzm white
di
     cov1-cov12 onl1-onl5 env1-env3 soc1-soc3 out1-out4 change;
            MISSING = .;
            USEVARIABLES ARE cov1-cov12 env1-env3 onl1-onl5 prebike bike frebike intent
            age educ hhveh income change; !soc1-soc3 out1-out4;
            CATEGORICAL = cov1-cov12 env1-env3 onl1-onl5 prebike bike change frebike; !soc
1 _
  ANALYSIS: !TYPE = EFA 5 6;
            ! ROTATION=VARIMAX;
            !ROTATION=GEOMIN (oblique);
            !ESTIMATOR=ML;
            ! ROTATION=PROMAX;
             PARAMETERIZATION=THETA;
            !Bootstrap = 1000;
            !STARTS = 100;
  MODEL:
            f1 by cov1-cov4;
            f2 by cov11 cov12 cov3;
            f3 by cov5-cov10;
            f4 by env1-env3;
            f5 by onl1-onl5;
            f6 by prebike bike frebike;
            intent ON f1 f2 f3 f4 f5 f6 age educ hhveh income;
            change ON f6 intent age educ hhveh income;
      MODEL INDIRECT:
            change IND intent f1;
            change IND intent f2;
            change IND intent f3;
            change IND intent f4;
            change IND intent f5;
            change IND intent f6;
  OUTPUT:
            !STANDARDIZED;
            !STANDARDIZED CINTERVAL (bcbootstrap);
             STDYX;
            ! MODINDICES;
*** WARNING
  Input line exceeded 90 characters. Some input may be truncated.
  VARIABLE: NAMES ARE prebike frebike intent wave educ age income hhveh bike prebzm white
dis
*** WARNING
  Input line exceeded 90 characters. Some input may be truncated.
            CATEGORICAL = cov1-cov12 env1-env3 onl1-onl5 prebike bike change frebike; !soc
*** 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: 25
```

3 WARNING(S) FOUND IN THE INPUT INSTRUCTIONS

covid data cpa(2); SUMMARY OF ANALYSIS Number of groups 1 Number of observations 2399 25 Number of dependent variables Number of independent variables 4 Number of continuous latent variables 6 Observed dependent variables Continuous INTENT Binary and ordered categorical (ordinal) COV6 COV2 COV3 COV4 COV5 COV7 COV8 COV9 COV12 COV10 COV11 ENV2 ONL3 ENV1 ENV3 ONL1 ONL2 ONL5 CHANGE ONL4 PREBIKE BIKE FREBIKE Observed independent variables EDUC INCOME AGE HHVEH Continuous latent variables F1 F3 F4 F5 F6 F2 Estimator WLSMV Maximum number of iterations 1000 0.500D-04 Convergence criterion Maximum number of steepest descent iterations 20 Maximum number of iterations for H1 2000 Convergence criterion for H1 0.100D-03 Parameterization THETA PROBIT Link Input data file(s) wave13.csv Input data format FREE SUMMARY OF DATA 36 Number of missing data patterns COVARIANCE COVERAGE OF DATA Minimum covariance coverage value 0.100 PROPORTION OF DATA PRESENT

PROPORTION OF DATA PRESENT

Covariance Coverage
COV1 COV2 COV3 COV4 COV5

| COV1 | 0.999 | | | | | |
|---|--|---|--|---|--|--|
| COV2 | 0.999 | 1.000 | | | | |
| COV3 | 0.997 | 0.998 | 0.998 | | | |
| COV4 | 0.999 | 1.000 | 0.998 | 1.000 | | |
| COV5 | 0.529 | 0.530 | 0.529 | 0.529 | 0.530 | |
| COV6 | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| COV7 | 0.998 | 0.999 | 0.997 | 0.999 | 0.529 | |
| COV8 | 0.999 | | 0.998 | 0.999 | 0.529 | |
| | | 1.000 | | | | |
| COV9 | 0.998 | 0.999 | 0.997 | 0.999 | 0.529 | |
| COV10 | 0.999 | 1.000 | 0.998 | 0.999 | 0.529 | |
| COV11 | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| COV12 | 0.999 | 1.000 | 0.998 | 0.999 | 0.530 | |
| ENV1 | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| ENV2 | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| ENV3 | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| ONL1 | 0.998 | 0.999 | 0.998 | 0.999 | 0.529 | |
| ONL2 | 0.994 | 0.995 | 0.993 | 0.995 | 0.529 | |
| ONL3 | 0.995 | 0.996 | 0.995 | 0.996 | 0.529 | |
| ONL4 | 0.996 | 0.997 | 0.995 | 0.996 | 0.529 | |
| ONL5 | 0.996 | 0.997 | 0.996 | 0.997 | 0.529 | |
| PREBIKE | 0.997 | 0.997 | 0.996 | 0.997 | 0.529 | |
| BIKE | 0.999 | 1.000 | 0.998 | 1.000 | 0.530 | |
| FREBIKE | 0.990 | 0.991 | 0.990 | 0.990 | 0.524 | |
| INTENT | 0.976 | 0.977 | 0.976 | 0.977 | 0.517 | |
| CHANGE | 0.990 | 0.991 | 0.990 | 0.990 | 0.524 | |
| CHANGE | 0.990 | 0.991 | 0.990 | 0.990 | 0.524 | |
| | | | | | | |
| | Covariance Co | overage | | | | |
| | COV6 | COV7 | COV8 | COV9 | COV10 | |
| | 0010 | 0017 | 0010 | 0013 | COV10 | |
| COV6 | 1.000 | | | | | |
| COV7 | 0.999 | 0.999 | | | | |
| COV8 | 1.000 | 0.999 | 1.000 | | | |
| | | | | | | |
| | | | | n 999 | | |
| COV9 | 0.999 | 0.998 | 0.999 | 0.999 | 1 000 | |
| COV9 COV10 | 0.999 1.000 | 0.998 0.999 | 0.999 1.000 | 0.999 | 1.000 | |
| COV9 COV10 COV11 | 0.999 1.000 1.000 | 0.998 0.999 0.999 | 0.999 1.000 1.000 | 0.999 0.999 | 1.000 | |
| COV9 COV10 COV11 COV12 | 0.999 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 | 0.999 1.000 1.000 0.999 | 0.999 0.999 0.999 | 1.000 0.999 | |
| COV9 COV10 COV11 COV12 ENV1 | 0.999 1.000 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 | 0.999 1.000 1.000 0.999 1.000 | 0.999 0.999 0.999 0.999 | 1.000 0.999 1.000 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 | 0.999 1.000 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 | 0.999 1.000 1.000 0.999 1.000 | 0.999 0.999 0.999 0.999 | 1.000 0.999 1.000 1.000 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 | 0.999 1.000 1.000 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 | 0.999 1.000 1.000 0.999 1.000 1.000 | 0.999 0.999 0.999 0.999 0.999 | 1.000 0.999 1.000 1.000 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 | 0.998 0.999 0.999 0.999 0.999 0.999 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 | 0.999 0.999 0.999 0.999 0.999 0.998 | 1.000 0.999 1.000 1.000 1.000 0.999 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 0.995 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 0.995 0.996 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.994 0.995 0.996 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 0.995 0.996 0.997 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.994 0.995 0.996 0.996 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 0.995 0.996 0.997 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.994 0.995 0.996 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.994 0.995 0.996 0.997 | 0.999 1.000 1.000 0.999 1.000 1.000 0.999 0.995 0.996 0.997 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 | 0.998 0.999 0.999 0.999 0.999 0.999 0.994 0.995 0.996 0.997 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 0.997 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 0.997 | 0.998 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 0.997 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 | 0.998 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.997 0.999 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.997 0.999 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.995 0.996 0.997 0.999 0.990 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co COV11 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.995 0.996 0.997 0.999 0.990 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co COV11 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co COV11 1.000 1.000 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.997 0.999 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.996 0.997 1.000 0.990 0.977 0.990 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE COV11 COV12 ENV1 ENV2 ENV3 | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co COV11 1.000 1.000 1.000 1.000 1.000 1.000 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.994 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE COV11 COV12 ENV1 ENV2 ENV3 ONL1 | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Co COV11 1.000 1.000 1.000 1.000 1.000 0.999 | 0.998 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 ENV1 1.000 1.000 1.000 1.000 0.999 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 | |
| COV9 COV10 COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 ONL3 ONL4 ONL5 PREBIKE BIKE FREBIKE INTENT CHANGE COV11 COV12 ENV1 ENV2 ENV3 ONL1 ONL2 | 0.999 1.000 1.000 1.000 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.991 0.977 0.991 Covariance Cov11 1.000 1.000 1.000 1.000 1.000 0.999 0.995 | 0.998 0.999 0.999 0.999 0.999 0.999 0.999 0.995 0.996 0.996 0.997 0.999 0.990 0.976 0.990 | 0.999 1.000 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 ENV1 1.000 1.000 1.000 1.000 0.999 0.995 | 0.999 0.999 0.999 0.999 0.999 0.998 0.998 0.995 0.996 0.996 0.997 0.999 0.976 0.990 | 1.000 0.999 1.000 1.000 1.000 0.999 0.995 0.996 0.997 0.997 1.000 0.990 0.977 0.990 ENV3 | |

| ONL5 | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 |
|---------|---------------|--------|---------|--------|--------|
| PREBIKE | 0.997 | 0.997 | 0.997 | 0.997 | 0.997 |
| BIKE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FREBIKE | 0.991 | 0.990 | 0.991 | 0.991 | 0.991 |
| INTENT | 0.977 | 0.977 | 0.977 | 0.977 | 0.977 |
| CHANGE | 0.991 | 0.990 | 0.991 | 0.991 | 0.991 |
| | Covariance Co | verage | | | |
| | ONL1 | ONL2 | ONL3 | ONL4 | ONL5 |
| ONL1 | 0.999 | | | | - |
| ONL2 | 0.994 | 0.995 | | | |
| ONL3 | 0.995 | 0.992 | 0.996 | | |
| ONL4 | 0.996 | 0.992 | 0.996 | 0.997 | |
| ONL5 | 0.996 | 0.993 | 0.996 | 0.997 | 0.997 |
| PREBIKE | 0.997 | 0.992 | 0.994 | 0.994 | 0.995 |
| BIKE | 0.999 | 0.995 | 0.996 | 0.997 | 0.997 |
| FREBIKE | 0.990 | 0.986 | 0.987 | 0.987 | 0.988 |
| INTENT | 0.976 | 0.973 | 0.974 | 0.974 | 0.975 |
| CHANGE | 0.990 | 0.986 | 0.987 | 0.987 | 0.988 |
| | Covariance Co | verage | | | |
| | PREBIKE | BIKE | FREBIKE | INTENT | CHANGE |
| PREBIKE | 0.997 | | | | |
| BIKE | 0.997 | 1.000 | | | |
| FREBIKE | 0.989 | 0.991 | 0.991 | | |
| | 0 055 | 0.977 | 0.969 | 0.977 | |
| INTENT | 0.975 | 0.311 | | | |

UNIVARIATE PROPORTIONS AND COUNTS FOR CATEGORICAL VARIABLES

| COV1 | | | |
|----------------------|--------|-------|----------|
| Category | 1 | 0.078 | 187.000 |
| Category | 2 | 0.141 | 338.000 |
| Category | 3 | 0.143 | 343.000 |
| Category | 4 | 0.311 | 745.000 |
| Category | 5 | 0.327 | 784.000 |
| COV2 | _ | | |
| Category | 1 | 0.051 | 122.000 |
| Category | 2 | 0.075 | 181.000 |
| Category | 3 | 0.122 | 292.000 |
| Category | 4 5 | 0.355 | 851.000 |
| Category COV3 | 5 | 0.397 | 953.000 |
| | 1 | 0.063 | 150.000 |
| Category Category | 1 2 | 0.003 | 184.000 |
| Category | 3 | 0.096 | 229.000 |
| Category | 4 | 0.289 | 691.000 |
| Category | | 0.476 | 1141.000 |
| COV4 | • | | |
| Category | 1 | 0.105 | 251.000 |
| Category | 2 | 0.161 | 385.000 |
| Category | 3 | 0.241 | 578.000 |
| Category | 4 | 0.284 | 682.000 |
| Category | 5 | 0.209 | 502.000 |
| COV5 | | | |
| Category | 1 | 0.146 | 185.000 |
| Category | 2 | 0.185 | 235.000 |
| Category | 3 | 0.308 | 392.000 |
| Category | 4 | 0.216 | 275.000 |
| | | | |

| | | · · | · <u> </u> | |
|------------------|---|-------|-------------------|--|
| Category COV6 | 5 | 0.145 | 184.000 | |
| Category | 1 | 0.053 | 126.000 | |
| Category | | 0.274 | 658.000 | |
| Category | | 0.440 | 1055.000 | |
| Category | | 0.173 | 414.000 | |
| Category | | 0.061 | 146.000 | |
| COV7 | Ü | 0.001 | _ 10 . 000 | |
| Category | 1 | 0.025 | 61.000 | |
| Category | | 0.048 | 115.000 | |
| Category | | 0.197 | 472.000 | |
| Category | | 0.393 | 942.000 | |
| Category | | 0.337 | 807.000 | |
| COV8 | J | 0.337 | 007:000 | |
| Category | 1 | 0.523 | 1253.000 | |
| Category | | 0.377 | 903.000 | |
| Category | | 0.072 | 173.000 | |
| Category | | 0.072 | 34.000 | |
| Category | | 0.014 | 35.000 | |
| COV9 | J | 0.013 | 33.000 | |
| | 1 | 0.030 | 73.000 | |
| Category | | 0.030 | 323.000 | |
| Category | | | | |
| Category | | 0.373 | 894.000 | |
| Category | | 0.301 | 722.000 | |
| Category | 5 | 0.161 | 385.000 | |
| COV10 | 1 | 0 000 | 47.000 | |
| Category | | 0.020 | 47.000 | |
| Category | | 0.052 | 124.000 | |
| Category | | 0.191 | 458.000 | |
| Category | | 0.335 | 803.000 | |
| Category | 5 | 0.403 | 966.000 | |
| COV11 | _ | | | |
| Category | | 0.556 | 1333.000 | |
| Category | | 0.163 | 392.000 | |
| Category | | 0.085 | 204.000 | |
| Category | | 0.112 | 268.000 | |
| Category | 5 | 0.084 | 202.000 | |
| COV12 | _ | | | |
| Category | | 0.364 | 873.000 | |
| Category | | 0.227 | 544.000 | |
| Category | | 0.145 | 348.000 | |
| Category | | 0.142 | 340.000 | |
| Category | 5 | 0.122 | 293.000 | |
| ENV1 | | | | |
| Category | | 0.038 | 92.000 | |
| Category | | 0.068 | 164.000 | |
| Category | | 0.238 | 572.000 | |
| Category | | 0.442 | 1061.000 | |
| Category | 5 | 0.213 | 510.000 | |
| ENV2 | | | | |
| Category | | 0.098 | 235.000 | |
| Category | 2 | 0.181 | 435.000 | |
| Category | | 0.282 | 677.000 | |
| Category | 4 | 0.289 | 694.000 | |
| Category | 5 | 0.149 | 358.000 | |
| ENV3 | | | | |
| Category | 1 | 0.178 | 426.000 | |
| Category | 2 | 0.180 | 432.000 | |
| Category | | 0.243 | 583.000 | |
| Category | | 0.253 | 607.000 | |
| Category | | 0.146 | 351.000 | |
| ONL1 | | | - | |
| Category | 1 | 0.041 | 99.000 | |
| Category | | 0.064 | 154.000 | |
| | | - | | |

| | | | _ |
|----------|---|-----------|----------|
| Category | 3 | 0.164 | 393.000 |
| Category | 4 | 0.377 | 904.000 |
| Category | 5 | 0.353 | 847.000 |
| ONL2 | | | |
| Category | 1 | 0.075 | 178.000 |
| Category | | 0.070 | 168.000 |
| Category | | 0.390 | 930.000 |
| Category | | 0.214 | 510.000 |
| Category | | 0.252 | 601.000 |
| ONL3 | | | |
| Category | 1 | 0.039 | 94.000 |
| Category | | 0.077 | 184.000 |
| Category | | 0.199 | 475.000 |
| Category | | 0.418 | 1000.000 |
| Category | | 0.267 | 637.000 |
| ONL4 | | | |
| Category | 1 | 0.136 | 326.000 |
| Category | | 0.191 | 456.000 |
| Category | | 0.164 | 393.000 |
| Category | | 0.336 | 803.000 |
| Category | | 0.173 | 413.000 |
| ONL5 | J | 0.173 | 113.000 |
| Category | 1 | 0.136 | 325.000 |
| Category | | 0.196 | 469.000 |
| Category | | 0.214 | 511.000 |
| Category | | 0.305 | 729.000 |
| Category | | 0.150 | 358.000 |
| PREBIKE | Ü | 0.100 | 000.000 |
| Category | 1 | 0.686 | 1642.000 |
| Category | | 0.120 | 286.000 |
| Category | | 0.099 | 237.000 |
| Category | | 0.073 | 175.000 |
| Category | | 0.022 | 53.000 |
| BIKE | Ü | 0.022 | 00.000 |
| Category | 1 | 0.566 | 1359.000 |
| Category | | 0.434 | 1040.000 |
| FREBIKE | _ | | |
| Category | 1 | 0.834 | 1982.000 |
| Category | | 0.064 | 152.000 |
| Category | | 0.042 | 99.000 |
| Category | | 0.025 | 59.000 |
| Category | 5 | 0.011 | 25.000 |
| Category | 6 | 0.012 | 29.000 |
| Category | 7 | 0.005 | 13.000 |
| Category | 8 | 0.008 | 18.000 |
| CHANGE | O | 0.000 | 10.000 |
| Category | 1 | 0.013 | 31.000 |
| Category | 2 | 0.107 | 255.000 |
| Category | 3 | 0.814 | 1936.000 |
| Category | 4 | 0.054 | 129.000 |
| Category | 5 | 0.011 | 26.000 |
| caccgory | J | · • • · · | 20.000 |

UNIVARIATE SAMPLE STATISTICS

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

| | Variable/ | Mean/ | Skewness/ | Minimum/ | % with | | Percentile |
|---------|-------------|----------|-----------|----------|---------|---------|------------|
| s Me | Sample Size | Variance | Kurtosis | Maximum | Min/Max | 20%/60% | 40%/80% |

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| INTENT 3.000 | | 3.075 | 0.679 | 1.000 | 1.19% | 3.000 | 3.000 |
|-----------------|----------|---------|--------|--------|--------|--------|--------|
| | 2344.000 | 0.207 | 9.732 | 5.000 | 1.79% | 3.000 | 3.000 |
| AGE 59.000 | | 55.897 | -0.436 | 18.000 | 0.29% | 40.000 | 54.000 |
| 39.000 | 2399.000 | 240.646 | -0.701 | 90.000 | 0.08% | 63.000 | 70.000 |
| | 2399.000 | | | | | | |
| EDUC | | 3.662 | -0.262 | 1.000 | 0.92% | 3.000 | 3.000 |
| 4.000 | | | | | | | |
| | 2399.000 | 0.988 | -0.741 | 5.000 | 23.09% | 4.000 | 5.000 |
| HHVEH | | 2.687 | 0.531 | 1.000 | 6.42% | 2.000 | 2.000 |
| 3.000 | | | | | | | |
| | 2399.000 | 0.843 | 0.229 | 5.000 | 4.79% | 3.000 | 3.000 |
| INCOME 6.000 | | 6.400 | -0.038 | 1.000 | 3.08% | 4.000 | 6.000 |
| 3.000 | 2399.000 | 6.091 | -0.434 | 11.000 | 6.59% | 7.000 | 9.000 |

THIS ANALYSIS MAY HAVE MULTIPLE SOLUTIONS. EXPLORE THIS USING RANDOM STARTS, FOR EXAMPLE, STARTS = 20. USE A LARGE ENOUGH NUMBER OF STARTS SO THAT THE BEST FIT FUNCTION VALUE IS REPLICATED SEVERAL TIMES.

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 153

Chi-Square Test of Model Fit

Value 2552.838*

Degrees of Freedom 345

P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.052 90 Percent C.I. 0.050 0.054 Probability RMSEA <= .05 0.073

CFI/TLI

CFI 0.962 TLI 0.956

Chi-Square Test of Model Fit for the Baseline Model

Value 59204.966
Degrees of Freedom 400
P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.072

Optimum Function Value for Weighted Least-Squares Estimator

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

Value

0.60625386D+00

MODEL RESULTS

| | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value |
|--|--|--|---|---|
| COV1 | 1.000 | 0.000 | 999.000 | 999.000 |
| COV2 | 0.965 | 0.057 | 17.027 | 0.000 |
| COV3 | 0.475 | 0.036 | 13.318 | 0.000 |
| COV4 | 0.556 | 0.031 | 17.925 | 0.000 |
| F2 BY COV11 COV12 COV3 | 1.000 | 0.000 | 999.000 | 999.000 |
| | 0.292 | 0.080 | 3.634 | 0.000 |
| | -0.181 | 0.048 | -3.762 | 0.000 |
| F3 BY COV5 COV6 COV7 COV8 COV9 COV10 | 1.000 1.491 1.804 0.729 1.522 1.963 | 0.000 0.094 0.116 0.052 0.094 0.129 | 999.000 15.899 15.580 14.064 16.180 15.196 | 999.000 0.000 0.000 0.000 0.000 |
| F4 BY ENV1 ENV2 ENV3 | 1.000 | 0.000 | 999.000 | 999.000 |
| | 0.851 | 0.064 | 13.299 | 0.000 |
| | 0.803 | 0.056 | 14.456 | 0.000 |
| F5 BY ONL1 ONL2 ONL3 ONL4 ONL5 | 1.000 | 0.000 | 999.000 | 999.000 |
| | 1.052 | 0.119 | 8.834 | 0.000 |
| | 2.963 | 0.289 | 10.263 | 0.000 |
| | 2.910 | 0.292 | 9.967 | 0.000 |
| | 3.024 | 0.316 | 9.559 | 0.000 |
| F6 BY PREBIKE BIKE FREBIKE | 1.000 | 0.000 | 999.000 | 999.000 |
| | 1.193 | 0.126 | 9.466 | 0.000 |
| | 1.427 | 0.162 | 8.812 | 0.000 |
| INTENT ON F1 F2 F3 F4 F5 F6 | 0.030 | 0.011 | 2.834 | 0.005 |
| | -0.001 | 0.003 | -0.203 | 0.839 |
| | -0.026 | 0.019 | -1.388 | 0.165 |
| | 0.004 | 0.008 | 0.558 | 0.577 |
| | -0.069 | 0.033 | -2.106 | 0.035 |
| | 0.035 | 0.004 | 9.332 | 0.000 |
| CHANGE ON F6 | -0.211 | 0.012 | -17.542 | 0.000 |
| INTENT ON AGE EDUC HHVEH INCOME | -0.002 | 0.001 | -4.117 | 0.000 |
| | 0.013 | 0.012 | 1.095 | 0.273 |
| | -0.017 | 0.011 | -1.442 | 0.149 |
| | 0.005 | 0.005 | 1.132 | 0.258 |
| CHANGE ON INTENT | -0.208 | 0.035 | -5.902 | 0.000 |

| AGE | 0.002 | 0.002 | 0.897 | 0.370 |
|------------|--------|---------|---------|-----------|
| | | | | |
| EDUC | -0.022 | 0.036 | -0.622 | 0.534 |
| HHVEH | 0.009 | 0.035 | 0.270 | 0.788 |
| INCOME | -0.011 | 0.015 | -0.741 | 0.459 |
| | | | | |
| F2 WITH | | | | |
| | C 100 | 1 (11 | 2 026 | 0 000 |
| F1 | -6.192 | 1.614 | -3.836 | 0.000 |
| | | | | |
| F3 WITH | | | | |
| F1 | 0.920 | 0.070 | 13.081 | 0.000 |
| F2 | -2.795 | 0.739 | -3.781 | 0.000 |
| | | | | |
| E4 MITH | | | | |
| F4 WITH | 0 055 | 0 0 0 5 | | 0.000 |
| F1 | 0.857 | 0.075 | 11.444 | 0.000 |
| F2 | -3.853 | 1.011 | -3.813 | 0.000 |
| F3 | 0.369 | 0.039 | 9.380 | 0.000 |
| | | | | |
| F5 WITH | | | | |
| | 0 220 | 0 026 | 0 015 | 0 000 |
| F1 | 0.239 | | 9.015 | 0.000 |
| F2 | -0.789 | 0.217 | -3.628 | 0.000 |
| F3 | 0.105 | 0.013 | 7.939 | 0.000 |
| F4 | 0.155 | 0.020 | 7.633 | 0.000 |
| | | | | |
| F6 WITH | | | | |
| | 0 000 | 0 000 | 0 075 | 0.320 |
| F1 | -0.090 | 0.092 | -0.975 | 0.329 |
| F2 | 0.683 | 0.377 | 1.811 | 0.070 |
| F3 | -0.025 | 0.047 | -0.535 | 0.592 |
| F4 | 0.836 | 0.102 | 8.228 | 0.000 |
| F5 | -0.042 | 0.022 | -1.873 | 0.061 |
| 1 3 | 0.042 | 0.022 | 1.075 | 0.001 |
| | | | | |
| Intercepts | | | | |
| INTENT | 3.173 | 0.053 | 60.086 | 0.000 |
| | | | | |
| Thresholds | | | | |
| COV1\$1 | -2.058 | 0.247 | -8.345 | 0.000 |
| | | | | |
| COV1\$2 | -0.827 | 0.244 | -3.391 | 0.001 |
| COV1\$3 | -0.017 | 0.243 | -0.070 | 0.944 |
| COV1\$4 | 1.514 | 0.247 | 6.141 | 0.000 |
| COV2\$1 | -3.176 | 0.252 | -12.580 | 0.000 |
| COV2\$2 | -2.269 | 0.248 | -9.131 | 0.000 |
| COV2\$3 | -1.415 | 0.245 | -5.771 | 0.000 |
| | 0.320 | | | |
| COV2\$4 | | 0.243 | 1.320 | 0.187 |
| COV3\$1 | -3.907 | 0.277 | -14.129 | 0.000 |
| COV3\$2 | -3.032 | 0.272 | -11.150 | 0.000 |
| COV3\$3 | -2.332 | 0.266 | -8.775 | 0.000 |
| COV3\$4 | -0.818 | 0.260 | -3.144 | 0.002 |
| COV4\$1 | -1.678 | 0.177 | -9.460 | 0.000 |
| | | 0.175 | | |
| COV4\$2 | -0.830 | | -4.736 | 0.000 |
| COV4\$3 | 0.040 | 0.174 | 0.230 | 0.818 |
| COV4\$4 | 1.112 | 0.175 | 6.343 | 0.000 |
| COV5\$1 | -2.335 | 0.245 | -9.513 | 0.000 |
| COV5\$2 | -1.508 | 0.242 | -6.241 | 0.000 |
| COV5\$3 | -0.449 | 0.238 | -1.888 | 0.059 |
| | | | | |
| COV5\$4 | 0.478 | 0.238 | 2.005 | 0.045 |
| COV6\$1 | -4.252 | 0.226 | -18.839 | 0.000 |
| COV6\$2 | -2.348 | 0.217 | -10.820 | 0.000 |
| COV6\$3 | -0.425 | 0.210 | -2.028 | 0.043 |
| COV6\$4 | 0.916 | 0.208 | 4.398 | 0.000 |
| COV7\$1 | -3.107 | 0.259 | -11.994 | 0.000 |
| | | | | |
| COV7\$2 | -2.198 | 0.245 | -8.969 | 0.000 |
| COV7\$3 | -0.671 | 0.241 | -2.789 | 0.005 |
| COV7\$4 | 1.207 | 0.241 | 5.007 | 0.000 |
| COV8\$1 | -1.277 | 0.166 | -7.707 | 0.000 |
| COV8\$2 | 0.194 | 0.162 | 1.199 | 0.231 |
| OO V O V Z | 0.171 | 0.102 | 1.177 | U • 2 J I |
| | | | | |

| COV8\$3 | 0.944 | 0.171 | 5.531 | 0.000 | |
|--------------------|------------------|----------------|------------------|----------------|--|
| COV8\$4 | 1.281 | 0.177 | 7.230 | 0.000 | |
| COV9\$1 | -3.116 | 0.223 | -13.955 | 0.000 | |
| COV9\$2 | -1.658 | 0.214 | -7.767 | 0.000 | |
| COV9\$3 | 0.081 | 0.214 | 0.382 | 0.703 | |
| COV9\$4 | 1.545 | 0.212 | 7.273 | 0.000 | |
| COV10\$1 | -4.303 | 0.285 | -15.075 | 0.000 | |
| COV10\$2 | -3.158 | 0.276 | -11.432 | 0.000 | |
| COV10\$3 | -1.557 | 0.263 | -5.919 | 0.000 | |
| COV10\$4 | 0.149 | 0.257 | 0.581 | 0.561 | |
| COV11\$1 | -0.363 | 0.782 | -0.465 | 0.642 | |
| COV11\$2 | 2.174 | 0.934 | 2.328 | 0.020 | |
| COV11\$3 | 3.764 | 1.188 | 3.168 | 0.002 | |
| COV11\$4 | 6.760 | 1.789 | 3.779 | 0.000 | |
| COV12\$1 | -0.690 | 0.255 | -2.708 | 0.007 | |
| COV12\$2 | 0.429 | 0.255 | 1.686 | 0.092 | |
| COV12\$3 | 1.208 | 0.258 | 4.690 | 0.000 | |
| COV12\$4 | 2.244 | 0.262 | 8.562 | 0.000 | |
| ENV1\$1 | -2.117 | 0.241 | -8.786 | 0.000 | |
| ENV1\$2 | -1.177 | 0.228 | -5.170 | 0.000 | |
| ENV1\$3 | 0.339 | 0.224 | 1.518 | 0.129 | |
| ENV1\$4 | 2.484 | 0.238 | 10.446 | 0.000 | |
| ENV2\$1 | -2.517 | 0.215 | -11.731 | 0.000 | |
| ENV2\$2 | -1.363 | 0.207 | -6.595 | 0.000 | |
| ENV2\$3 | -0.150 | 0.203 | -0.737 | 0.461 | |
| ENV2\$4 | 1.300 | 0.205 | 6.332 | 0.000 | |
| ENV3\$1 | -2.052 | 0.203 | -10.096 | 0.000 | |
| ENV3\$2 | -1.180 | 0.199 | -5.922 | 0.000 | |
| ENV3\$3 | -0.216 | 0.198 | -1.094 | 0.274 | |
| ENV3\$4 | 1.023 | 0.198 | 5.155 | 0.000 | |
| ONL1\$1 | -2.685 | 0.146 | -18.363 | 0.000 | |
| ONL1\$2 | -2.164 | 0.143 | -15.102 | 0.000 | |
| ONL1\$3 | -1.478 | 0.143 | -10.341 | 0.000 | |
| ONL1\$4 | -0.406 | 0.141 | -2.885 | 0.004 | |
| ONL2\$1 | -1.671 | 0.142 | -11.745 | 0.000 | |
| ONL2\$2 ONL2\$3 | -1.255 -0.002 | 0.140 0.138 | -8.951 -0.012 | 0.000 0.991 | |
| ONL2\$4 | 0.641 | 0.138 | 4.652 | 0.000 | |
| ONL2\$4 ONL3\$1 | -3.070 | 0.130 | -15.095 | 0.000 | |
| ONL3\$1 ONL3\$2 | -2.239 | 0.196 | -11.427 | 0.000 | |
| ONL3\$2 | -1.189 | 0.130 | -6.323 | 0.000 | |
| ONL3\$4 | 0.444 | 0.186 | 2.395 | 0.017 | |
| ONL4\$1 | -2.337 | 0.193 | -12.118 | 0.000 | |
| ONL4\$2 | -1.383 | 0.190 | -7 . 297 | 0.000 | |
| ONL4\$3 | -0.757 | 0.188 | -4.036 | 0.000 | |
| ONL4\$4 | 0.657 | 0.186 | 3.528 | 0.000 | |
| ONL5\$1 | -3.126 | 0.207 | -15.086 | 0.000 | |
| ONL5\$2 | -2.122 | 0.198 | -10.732 | 0.000 | |
| ONL5\$3 | -1.295 | 0.192 | -6.737 | 0.000 | |
| ONL5\$4 | 0.094 | 0.188 | 0.501 | 0.616 | |
| PREBIKE\$1 | 1.307 | 0.360 | 3.634 | 0.000 | |
| PREBIKE\$2 | 2.234 | 0.365 | 6.113 | 0.000 | |
| PREBIKE\$3 | 3.320 | 0.370 | 8.973 | 0.000 | |
| PREBIKE\$4 | 5.020 | 0.400 | 12.539 | 0.000 | |
| BIKE\$1 | 2.528 | 0.463 | 5.464 | 0.000 | |
| FREBIKE\$1 | 2.750 | 0.599 | 4.590 | 0.000 | |
| FREBIKE\$2 | 3.748 | 0.626 | 5.986 | 0.000 | |
| FREBIKE\$3 | 4.678 | 0.661 | 7.075 | 0.000 | |
| FREBIKE\$4 | 5.515 | 0.690 | 7.994 | 0.000 | |
| FREBIKE\$5 | 6.022 | 0.706 | 8.532 | 0.000 | |
| FREBIKE\$6 | 6.909 | 0.732 | 9.436 | 0.000 | |
| FREBIKE\$7 | 7.579 | 0.743 | 10.200 | 0.000 | |
| CHANGE\$1 | -3.146 | 0.216 | -14.556 | 0.000 | |
| CHANGE\$2 | -1.974 | 0.202 | -9.796 | 0.000 | |
| | | | | | |

| CHANGE\$3 | 1.002 | 0.201 | 4.978 | 0.000 | |
|--------------------|--------|--------|--------|-------|--|
| CHANGE\$4 | 1.860 | 0.208 | 8.940 | 0.000 | |
| Variances | | | | | |
| F1 | 2.562 | 0.196 | 13.079 | 0.000 | |
| F2 | 31.553 | 16.059 | 1.965 | 0.049 | |
| F3 | 0.704 | 0.078 | 9.006 | 0.000 | |
| F4 | 2.150 | 0.211 | 10.166 | 0.000 | |
| F5 | 0.131 | 0.023 | 5.810 | 0.000 | |
| F6 | 4.553 | 0.411 | 11.084 | 0.000 | |
| Residual Variances | | | | | |
| INTENT | 0.198 | 0.003 | 76.816 | 0.000 | |
| | | | | | |

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)

0.114E-06

STANDARDIZED MODEL RESULTS

STDYX Standardization

| | | | Dot in al | Q F | D-+ /0 D | Two-Tailed |
|----|---------|----------|-----------|-------|-----------|------------|
| | | | Estimate | S.E. | Est./S.E. | P-Value |
| F1 | | BY | | | | |
| гі | COV1 | ы | 0.848 | 0.009 | 93.189 | 0.000 |
| | COV1 | | 0.840 | 0.009 | 89.197 | 0.000 |
| | COV2 | | 0.396 | 0.022 | 17.891 | 0.000 |
| | COV3 | | 0.396 | 0.022 | 43.306 | 0.000 |
| | COV4 | | 0.003 | 0.013 | 43.300 | 0.000 |
| F2 | | BY | | | | |
| | COV11 | | 0.985 | 0.008 | 127.925 | 0.000 |
| | COV12 | | 0.854 | 0.008 | 102.076 | 0.000 |
| | COV3 | | -0.531 | 0.021 | -25.659 | 0.000 |
| | 30.3 | | 0.031 | 0.021 | 20.009 | 0.000 |
| F3 | | BY | | | | |
| | COV5 | | 0.643 | 0.021 | 30.692 | 0.000 |
| | COV6 | | 0.781 | 0.010 | 74.456 | 0.000 |
| | COV7 | | 0.834 | 0.010 | 87.702 | 0.000 |
| | COV8 | | 0.522 | 0.019 | 26.874 | 0.000 |
| | COV9 | | 0.787 | 0.009 | 82.977 | 0.000 |
| | COV10 | | 0.855 | 0.009 | 95.750 | 0.000 |
| | | | | | | |
| F4 | | BY | | | | |
| | ENV1 | | 0.826 | 0.013 | 64.043 | 0.000 |
| | ENV2 | | 0.780 | 0.013 | 58.670 | 0.000 |
| | ENV3 | | 0.762 | 0.014 | 53.376 | 0.000 |
| | | | | | | |
| F5 | | BY | | | | |
| | ONL1 | | 0.340 | 0.026 | 13.138 | 0.000 |
| | ONL2 | | 0.355 | 0.025 | 14.281 | 0.000 |
| | ONL3 | | 0.731 | 0.017 | 43.799 | 0.000 |
| | ONL4 | | 0.725 | 0.017 | 42.359 | 0.000 |
| | ONL5 | | 0.738 | 0.018 | 41.626 | 0.000 |
| п. | | DV | | | | |
| F6 | PREBI | BY ve | 0.905 | 0.007 | 123.088 | 0.000 |
| | BIKE | I/Ç | 0.903 | 0.007 | 98.091 | 0.000 |
| | FREBI: | VE | 0.931 | | 100.265 | |
| | r KEBI. | VĘ | 0.930 | 0.009 | 100.205 | 0.000 |
| | | | | | | |

| INTENT F1 F2 F3 F4 F5 F6 | ON | 0.106 -0.008 -0.049 0.014 -0.055 0.162 | 0.037 0.041 0.035 0.025 0.026 0.015 | 2.847 -0.203 -1.393 0.558 -2.132 10.823 | 0.004 0.839 0.164 0.577 0.033 0.000 |
|--|--|--|---|--|--|
| CHANGE F6 | ON | -0.407 | 0.012 | -35.253 | 0.000 |
| INTENT AGE EDUC HHVEH INCOM | | -0.082 0.028 -0.033 0.029 | 0.020 0.025 0.023 0.026 | -4.127 1.096 -1.441 1.132 | 0.000 0.273 0.150 0.258 |
| CHANGE INTEN AGE EDUC HHVEH INCOM | [| -0.085 0.023 -0.020 0.008 -0.024 | 0.014 0.026 0.032 0.029 0.032 | -5.957 0.898 -0.622 0.270 -0.741 | 0.000 0.369 0.534 0.788 0.459 |
| F2 F1 | WITH | -0.689 | 0.015 | -46.165 | 0.000 |
| F3 F1 F2 | WITH | 0.685 -0.593 | 0.014 0.016 | 50.459 -36.404 | 0.000 |
| F4 F1 F2 F3 | WITH | 0.365 -0.468 0.300 | 0.021 0.020 0.021 | 17.380 -23.792 14.110 | 0.000 0.000 0.000 |
| F5 F1 F2 F3 F4 | WITH | 0.412 -0.388 0.347 0.291 | 0.022 0.023 0.022 0.023 | 19.165 -17.206 15.567 12.413 | 0.000 0.000 0.000 0.000 |
| F6 F1 F2 F3 F4 F5 | WITH | -0.026 0.057 -0.014 0.267 -0.054 | 0.027 0.028 0.026 0.026 0.028 | -0.979 2.043 -0.536 10.441 -1.923 | 0.328 0.041 0.592 0.000 0.054 |
| Intercep INTEN | | 6.977 | 0.126 | 55.595 | 0.000 |
| Threshol COV1\$ COV1\$ COV1\$ COV2\$ COV2\$ COV2\$ COV2\$ COV2\$ | 1 2 3 4 1 1 2 3 4 1 1 2 1 3 | -1.090 -0.438 -0.009 0.802 -1.725 -1.233 -0.769 0.174 -2.036 -1.580 | 0.130 0.129 0.129 0.130 0.133 0.133 0.132 0.132 0.132 | -8.406 -3.390 -0.070 6.192 -12.930 -9.279 -5.816 1.319 -14.646 -11.461 | 0.000 0.001 0.944 0.000 0.000 0.000 0.000 0.187 0.000 0.000 |

| COV3\$3 | -1.215 | 0.135 | -8.970 | 0.000 | |
|----------------------|------------------|----------------|-------------------|----------------|--|
| COV3\$4 | -0.426 | 0.135 | -3.166 | 0.002 | |
| COV4\$1 | -1.253 | 0.132 | -9.490 | 0.000 | |
| COV4\$2 | -0.620 | 0.131 | -4.741 | 0.000 | |
| COV4\$3 | 0.030 | 0.130 | 0.230 | 0.818 | |
| COV4\$4 | 0.830 | 0.131 | 6.362 | 0.000 | |
| COV5\$1 | -1.788 | 0.185 | -9.643 | 0.000 | |
| COV5\$2 | -1.155 | 0.184 | -6.290 | 0.000 | |
| COV5\$3 | -0.344 | 0.182 | -1.891 | 0.059 | |
| COV5\$4 | 0.366 | 0.183 | 2.002 | 0.045 | |
| COV6\$1 | -2.656 | 0.134 | -19.761 | 0.000 | |
| COV6\$2 | -1.466 | 0.133 | -11.005 | 0.000 | |
| COV6\$3 | -0.265 | 0.131 | -2.031 | 0.042 | |
| COV6\$4 | 0.572 | 0.130 | 4.392 | 0.000 | |
| COV7\$1 | -1.713 | 0.140 | -12.261 | 0.000 | |
| COV7\$2 | -1.212 | 0.133 | -9.126 | 0.000 | |
| COV7\$3 | -0.370 | 0.132 | -2.798 | 0.005 | |
| COV7\$4 | 0.666 | 0.133 | 5.009 | 0.000 | |
| COV8\$1 | -1.089 | 0.141 | -7.714 | 0.000 | |
| COV8\$2 | 0.165 | 0.138 | 1.199 | 0.231 | |
| COV8\$3 | 0.806 | 0.146 | 5.532 | 0.000 | |
| COV8\$4 | 1.093 | 0.151 | 7.232 | 0.000 | |
| COV9\$1 | -1.921 | 0.136 | -14.166 | 0.000 | |
| COV9\$2 | -1.023 | 0.131 | -7.798 | 0.000 | |
| COV9\$3 | 0.050 | 0.132 | 0.382 | 0.703 | |
| COV9\$4 | 0.952 | 0.131 | 7.285 | 0.000 | |
| COV10\$1 | -2.233 | 0.138 | -16.229 | 0.000 | |
| COV10\$2 | -1.639 | 0.136 | -12.017 | 0.000 | |
| COV10\$3 | -0.808 | 0.134 | -6.041 | 0.000 | |
| COV10\$4 | 0.077 | 0.133 | 0.580 | 0.562 | |
| COV11\$1 | -0.064 | 0.136 | -0.468 | 0.640 | |
| COV11\$2 | 0.381 | 0.136 | 2.794 | 0.005 | |
| COV11\$3 | 0.660 | 0.138 | 4.791 | 0.000 | |
| COV11\$4 | 1.185 | 0.140 | 8.482 | 0.000 0.007 | |
| COV12\$1 COV12\$2 | -0.359 0.223 | 0.132 0.132 | -2.710 1.686 | 0.007 | |
| COV12\$2 COV12\$3 | 0.223 | 0.132 | 4.700 | 0.092 | |
| COV12\$3 COV12\$4 | 1.167 | 0.134 | 8.622 | 0.000 | |
| ENV1\$1 | -1.193 | 0.133 | -8.964 | 0.000 | |
| ENV1\$1 ENV1\$2 | -0.663 | 0.133 | -5.180 | 0.000 | |
| ENV1\$2 | 0.191 | 0.126 | 1.522 | 0.128 | |
| ENV1\$4 | 1.399 | 0.127 | 11.055 | 0.000 | |
| ENV2\$1 | -1.574 | 0.130 | -12.136 | 0.000 | |
| ENV2\$2 | -0.852 | 0.128 | -6.672 | 0.000 | |
| ENV2\$3 | -0.094 | 0.127 | -0.737 | 0.461 | |
| ENV2\$4 | 0.813 | 0.128 | 6.368 | 0.000 | |
| ENV3\$1 | -1.328 | 0.130 | -10.205 | 0.000 | |
| ENV3\$2 | -0.764 | 0.129 | -5.939 | 0.000 | |
| ENV3\$3 | -0.140 | 0.128 | -1.094 | 0.274 | |
| ENV3\$4 | 0.662 | 0.128 | 5.179 | 0.000 | |
| ONL1\$1 | -2.525 | 0.136 | -18.530 | 0.000 | |
| ONL1\$2 | -2.035 | 0.134 | -15.207 | 0.000 | |
| ONL1\$3 | -1.390 | 0.134 | -10.381 | 0.000 | |
| ONL1\$4 | -0.382 | 0.132 | -2.887 | 0.004 | |
| ONL2\$1 | -1.562 | 0.133 | -11.775 | 0.000 | |
| ONL2\$2 | -1.173 | 0.131 | -8.968 | 0.000 | |
| ONL2\$3 | -0.002 | 0.129 | -0.012 | 0.991 | |
| ONL2\$4 | 0.599 | 0.129 | 4.655 | 0.000 | |
| ONL3\$1 | -2.095 | 0.133 | -15.730 | 0.000 | |
| ONL3\$2 | -1.528 | 0.130 | -11.719 | 0.000 | |
| ONL3\$3 | -0.811 | 0.127 | -6.379 | 0.000 | |
| ONL3\$4 ONL4\$1 | 0.303 -1.610 | 0.127 | 2.397 | 0.017 0.000 | |
| ONL4\$1 ONL4\$2 | -1.610 -0.953 | 0.130 0.130 | -12.374 -7.341 | 0.000 | |
| | 0. | U.IJU | /•541 | | |
| | | | | | |

| ONL4\$3 | -0.522 | 0.129 | -4.041 | 0.000 | |
|--------------------|--------|-------|---------|---------|--|
| ONL4\$4 | 0.452 | 0.128 | 3.545 | 0.000 | |
| ONL5\$1 | -2.110 | 0.132 | -16.035 | 0.000 | |
| ONL5\$2 | -1.432 | 0.130 | -11.049 | 0.000 | |
| ONL5\$3 | -0.874 | 0.128 | -6.818 | 0.000 | |
| ONL5\$4 | 0.063 | 0.127 | 0.501 | 0.616 | |
| PREBIKE\$1 | 0.555 | 0.150 | 3.706 | 0.000 | |
| PREBIKE\$2 | 0.948 | 0.149 | 6.355 | 0.000 | |
| PREBIKE\$3 | 1.409 | 0.148 | 9.508 | 0.000 | |
| PREBIKE\$4 | 2.131 | 0.159 | 13.383 | 0.000 | |
| BIKE\$1 | 0.925 | 0.157 | 5.883 | 0.000 | |
| FREBIKE\$1 | 0.858 | 0.178 | 4.828 | 0.000 | |
| FREBIKE\$2 | 1.170 | 0.178 | 6.571 | 0.000 | |
| FREBIKE\$3 | 1.460 | 0.181 | 8.045 | 0.000 | |
| FREBIKE\$4 | 1.721 | 0.185 | 9.290 | 0.000 | |
| FREBIKE\$5 | 1.879 | 0.188 | 10.004 | 0.000 | |
| FREBIKE\$6 | 2.156 | 0.193 | 11.189 | 0.000 | |
| FREBIKE\$7 | 2.365 | 0.200 | 11.800 | 0.000 | |
| CHANGE\$1 | -2.838 | 0.193 | -14.676 | 0.000 | |
| CHANGE\$2 | -1.780 | 0.181 | -9.859 | 0.000 | |
| CHANGE\$3 | 0.904 | 0.183 | 4.944 | 0.000 | |
| CHANGE\$4 | 1.677 | 0.190 | 8.811 | 0.000 | |
| Variances | | | | | |
| F1 | 1.000 | 0.000 | 999.000 | 999.000 | |
| F2 | 1.000 | 0.000 | 999.000 | 999.000 | |
| F3 | 1.000 | 0.000 | 999.000 | 999.000 | |
| F4 | 1.000 | 0.000 | 999.000 | 999.000 | |
| F5 | 1.000 | 0.000 | 999.000 | 999.000 | |
| F6 | 1.000 | 0.000 | 999.000 | 999.000 | |
| Residual Variances | | | | | |
| INTENT | 0.956 | 0.007 | 145.353 | 0.000 | |
| | | | | | |

R-SQUARE

| Observed Variable | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value | Scale Factors |
|----------------------|----------|-------|-----------|-----------------------|------------------|
| COV1 | 0.719 | 0.015 | 46.595 | 0.000 | 0.530 |
| COV2 | 0.705 | 0.016 | 44.598 | 0.000 | 0.543 |
| COV3 | 0.728 | 0.015 | 49.262 | 0.000 | 0.521 |
| COV4 | 0.442 | 0.020 | 21.653 | 0.000 | 0.747 |
| COV5 | 0.413 | 0.027 | 15.346 | 0.000 | 0.766 |
| COV6 | 0.610 | 0.016 | 37.228 | 0.000 | 0.624 |
| COV7 | 0.696 | 0.016 | 43.851 | 0.000 | 0.551 |
| COV8 | 0.272 | 0.020 | 13.437 | 0.000 | 0.853 |
| COV9 | 0.620 | 0.015 | 41.488 | 0.000 | 0.617 |
| COV10 | 0.731 | 0.015 | 47.875 | 0.000 | 0.519 |
| COV11 | 0.969 | 0.015 | 63.963 | 0.000 | 0.175 |
| COV12 | 0.729 | 0.014 | 51.038 | 0.000 | 0.520 |
| ENV1 | 0.683 | 0.021 | 32.022 | 0.000 | 0.563 |
| ENV2 | 0.609 | 0.021 | 29.335 | 0.000 | 0.625 |
| ENV3 | 0.581 | 0.022 | 26.688 | 0.000 | 0.647 |
| ONL1 | 0.116 | 0.018 | 6.569 | 0.000 | 0.940 |
| ONL2 | 0.126 | 0.018 | 7.140 | 0.000 | 0.935 |
| ONL3 | 0.534 | 0.024 | 21.900 | 0.000 | 0.682 |
| ONL4 | 0.525 | 0.025 | 21.179 | 0.000 | 0.689 |
| ONL5 | 0.545 | 0.026 | 20.813 | 0.000 | 0.675 |
| PREBIKE | 0.820 | 0.013 | 61.544 | 0.000 | 0.424 |
| BIKE | 0.866 | 0.018 | 49.046 | 0.000 | 0.366 |
| FREBIKE | 0.903 | 0.018 | 50.133 | 0.000 | 0.312 |
| INTENT | 0.044 | 0.007 | 6.672 | 0.000 | |

| CHANGE | 0.187 | 0.010 | 18.165 | 0.000 | 0.903 |
|--------|-------|-------|--------|-------|-------|

TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS FOR LATENT RESPONSE VARIABLES

| | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value |
|---------------------------|------------------|----------------|-------------------|-----------------------|
| Effects from F1 | to CHANGE | | | |
| Indirect Direct effect | -0.006 0.000 | 0.002 | -2.560 999.000 | 0.010 0.000 |
| Effects from F2 | to CHANGE | | | |
| Indirect Direct effect | 0.000 | 0.001 | 0.202 999.000 | 0.840 0.000 |
| Effects from F3 | to CHANGE | | | |
| Indirect Direct effect | 0.006 0.000 | 0.004 | 1.338 999.000 | 0.181 0.000 |
| Effects from F4 | to CHANGE | | | |
| Indirect Direct effect | -0.001 0.000 | 0.002 | -0.557 999.000 | 0.578 0.000 |
| Effects from F5 | to CHANGE | | | |
| Indirect Direct effect | 0.014 0.000 | 0.007 | 1.967 999.000 | 0.049 |
| Effects from F6 | to CHANGE | | | |
| Indirect Direct effect | -0.007 -0.211 | 0.001 0.012 | -4.848 -17.542 | 0.000 |

TOTAL, INDIRECT, AND DIRECT EFFECTS BASED ON COUNTERFACTUALS (CAUSALLY-DEFINED EFFECTS, CO NDITIONAL ON ALL OTHER COVARIATES BEING ZERO)

Effects from F1 to CHANGE

| | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value |
|---|---------------------------|-------------------------|-----------------------------|-------------------------|
| Tot natural IE Pure natural DE Total effect | -0.002 0.000 -0.002 | 0.001 0.000 0.001 | -2.539 0.000 -2.539 | 0.011 1.000 0.011 |
| Other effects | | | | |
| Pure natural IE Tot natural DE Total effect | -0.002 0.000 -0.002 | 0.001 0.000 0.001 | -2.539 999.000 -2.539 | 0.011 0.000 0.011 |
| Effects from F2 to | CHANGE | | | |
| | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value |

0.001

0.006

0.007

-4.346

-10.345

-10.252

0.000

0.000

0.000

-0.002

-0.069

-0.067

Tot natural IE

Total effect

Pure natural DE

| -0.002 | 0.000 | -4.633 | 0.000 |
|--------|--------|--------------|--------------------------|
| -0.067 | 0.007 | -10.232 | 0.000 |
| -0.069 | 0.007 | -10.252 | 0.000 |
| | -0.067 | -0.067 0.007 | -0.067 0.007 -10.232 |

STANDARDIZED TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS FOR LATENT RESPONSE VARIABLES

STDYX Standardization

| | Estimate | S.E. | Est./S.E. | Two-Tailed P-Value |
|---------------------------|------------------|----------------|-------------------|-----------------------|
| Effects from F1 | to CHANGE | | | |
| Indirect Direct effect | -0.009 0.000 | 0.004 | -2.575 0.000 | 0.010 1.000 |
| Effects from F2 | to CHANGE | | | |
| Indirect Direct effect | 0.001 0.000 | 0.004 | 0.202 | 0.840 1.000 |
| Effects from F3 | to CHANGE | | | |
| Indirect Direct effect | 0.004 | 0.003 | 1.343 | 0.179 1.000 |
| Effects from F4 | to CHANGE | | | |
| Indirect Direct effect | -0.001 0.000 | 0.002 0.000 | -0.556 0.000 | 0.578 1.000 |
| Effects from F5 | to CHANGE | | | |
| Indirect Direct effect | 0.005 0.000 | 0.002 0.000 | 1.990 | 0.047 1.000 |
| Effects from F6 | to CHANGE | | | |
| Indirect Direct effect | -0.014 -0.407 | 0.003 0.012 | -5.222 -35.253 | 0.000 |

STANDARDIZED TOTAL, INDIRECT, AND DIRECT EFFECTS BASED ON COUNTERFACTUALS (CAUSALLY-DEFINE D EFFECTS)

STDYX Standardization

Two-Tailed Estimate S.E. Est./S.E. P-Value

Effects from F1 to CHANGE

NOT AVAILABLE.

Effects from F2 to CHANGE

NOT AVAILABLE.

Effects from F3 to CHANGE

NOT AVAILABLE.

Effects from F4 to CHANGE

NOT AVAILABLE.

Effects from F5 to CHANGE

NOT AVAILABLE.

Effects from F6 to CHANGE

NOT AVAILABLE.

DIAGRAM INFORMATION

Use View Diagram under the Diagram menu in the Mplus Editor to view the diagram. If running Mplus from the Mplus Diagrammer, the diagram opens automatically.

Diagram output

\\apporto.com\dfs\nthw\users\fys47_northwestern\desktop\data\factorsixwave13.dgm

Beginning Time: 15:37:03 Ending Time: 15:37:11 Elapsed Time: 00:00:08

MUTHEN & MUTHEN 3463 Stoner Ave.

Los Angeles, CA 90066

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

Support: Support@StatModel.com

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