Output was truncated for page purpose.

input

1

.66 1

.47 .48 1

.68 .57 .42 1

.54 .64 .44 .51 1

.69 .63 .53 .63 .60 1

TITLE: midterm 1.1 mediation model;

DATA:

file = "B:\dropbox\class\Spring 2014\PSY533\midterm.dat";

type = stdeviations correlation;

nobservations = 3094;

VARIABLE:

names are parinc hsrank acadab degasp select occpr income;

USEVARIABLES ARE parinc hsrank acadab degasp select occpr income;

ANALYSIS: TYPE = GENERAL;

ITERATIONS=3000;

ESTIMATOR=ML;

MODEL: degasp ON parinc hsrank acadab;

select ON parinc hsrank acadab degasp;

occpr ON select ;

income ON select ;

parinc hsrank acadab with parinc hsrank acadab;

degasp with select@0 occpr@0 income@0;

select with occpr@0 income@0;

occpr with income@0;

OUTPUT: sampstat standardized residual mod;

INPUT READING TERMINATED NORMALLY

midterm 1.1 mediation model;

SAMPLE STATISTICS

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 19

Loglikelihood

H0 Value -36076.153

H1 Value -36006.928

Information Criteria

Akaike (AIC) 72190.307

Bayesian (BIC) 72305.014

Sample-Size Adjusted BIC 72244.643

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

Chi-Square Test of Model Fit

Value 138.452

Degrees of Freedom 9

P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.068

90 Percent C.I. 0.058 0.078

Probability RMSEA <= .05 0.001

CFI/TLI

CFI 0.904

TLI 0.809

Chi-Square Test of Model Fit for the Baseline Model

Value 1370.899

Degrees of Freedom 18

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.042

MODEL RESULTS

Two-Tailed

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

DEGASP ON

PARINC 0.026 0.007 3.897 0.000

HSRANK 0.136 0.026 5.236 0.000

ACADAB 0.237 0.027 8.627 0.000

SELECT ON

PARINC 0.179 0.012 15.184 0.000

HSRANK 0.613 0.046 13.388 0.000

ACADAB 0.548 0.049 11.241 0.000

DEGASP 0.187 0.031 5.927 0.000

OCCPR ON

SELECT 0.124 0.014 8.727 0.000

INCOME ON

SELECT 0.061 0.015 4.128 0.000

PARINC WITH

HSRANK 0.113 0.037 3.055 0.002

ACADAB 0.303 0.036 8.467 0.000

HSRANK WITH

ACADAB 0.285 0.012 24.596 0.000

DEGASP WITH

SELECT 0.000 0.000 999.000 999.000

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

SELECT WITH

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

OCCPR WITH

INCOME 0.000 0.000 999.000 999.000

Variances

PARINC 7.015 0.178 39.332 0.000

HSRANK 0.604 0.015 39.332 0.000

ACADAB 0.553 0.014 39.332 0.000

Residual Variances

DEGASP 0.958 0.024 39.332 0.000

SELECT 2.939 0.075 39.332 0.000

OCCPR 2.470 0.063 39.332 0.000

INCOME 2.632 0.067 39.332 0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

Two-Tailed

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

DEGASP ON

PARINC 0.068 0.018 3.906 0.000

HSRANK 0.104 0.020 5.257 0.000

ACADAB 0.174 0.020 8.724 0.000

SELECT ON

PARINC 0.239 0.015 15.517 0.000

HSRANK 0.239 0.018 13.636 0.000

ACADAB 0.205 0.018 11.388 0.000

DEGASP 0.095 0.016 5.945 0.000

OCCPR ON

SELECT 0.155 0.018 8.834 0.000

INCOME ON

SELECT 0.074 0.018 4.139 0.000

PARINC WITH

HSRANK 0.055 0.018 3.069 0.002

ACADAB 0.154 0.018 8.775 0.000

HSRANK WITH

ACADAB 0.493 0.014 36.228 0.000

DEGASP WITH

SELECT 0.000 0.000 999.000 999.000

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

SELECT WITH

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

OCCPR WITH

INCOME 0.000 0.000 999.000 999.000

Variances

PARINC 1.000 0.000 999.000 999.000

HSRANK 1.000 0.000 999.000 999.000

ACADAB 1.000 0.000 999.000 999.000

Residual Variances

DEGASP 0.932 0.009 106.469 0.000

SELECT 0.742 0.014 54.798 0.000

OCCPR 0.976 0.005 179.430 0.000

INCOME 0.995 0.003 375.833 0.000

R-SQUARE

Observed Two-Tailed

Variable Estimate S.E. Est./S.E. P-Value

DEGASP 0.068 0.009 7.797 0.000

SELECT 0.258 0.014 19.013 0.000

OCCPR 0.024 0.005 4.417 0.000

INCOME 0.005 0.003 2.069 0.039

RESIDUAL OUTPUT

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED)

Model Estimated Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 1.028

SELECT 0.432 3.959

OCCPR 0.053 0.491 2.530

INCOME 0.026 0.240 0.030 2.646

PARINC 0.271 1.544 0.191 0.093 7.015

HSRANK 0.153 0.575 0.071 0.035 0.113

ACADAB 0.178 0.565 0.070 0.034 0.303

Model Estimated Covariances/Correlations/Residual Correlations

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 0.604

ACADAB 0.285 0.553

Residuals for Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 0.000

SELECT 0.000 0.000

OCCPR 0.148 0.000 0.000

INCOME 0.015 0.000 0.322 0.000

PARINC 0.000 0.000 0.057 0.307 0.000

HSRANK 0.000 0.000 0.118 0.012 0.000

ACADAB 0.000 0.000 0.123 0.043 0.000

Residuals for Covariances/Correlations/Residual Correlations

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 0.000

ACADAB 0.000 0.000

Standardized Residuals (z-scores) for Covariances/Correlations/Residual Corr

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 999.000

SELECT 999.000 999.000

OCCPR 5.252 999.000 999.000

INCOME 0.523 999.000 6.965 999.000

PARINC 999.000 999.000 0.799 4.142 999.000

HSRANK 999.000 999.000 5.715 0.569 999.000

ACADAB 999.000 999.000 6.238 2.152 999.000

Standardized Residuals (z-scores) for Covariances/Correlations/Residual Corr

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 999.000

ACADAB 999.000 999.000

Normalized Residuals for Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 0.000

SELECT 0.000 -0.001

OCCPR 5.068 0.000 0.000

INCOME 0.510 0.000 6.864 0.000

PARINC 0.000 0.000 0.754 3.950 0.000

HSRANK 0.000 0.000 5.242 0.526 0.000

ACADAB 0.000 0.000 5.698 1.983 0.000

Normalized Residuals for Covariances/Correlations/Residual Correlations

HSRANK ACADAB

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HSRANK 0.000

ACADAB 0.000 0.000

MODEL MODIFICATION INDICES

NOTE: Modification indices for direct effects of observed dependent variables

regressed on covariates may not be included. To include these, request

MODINDICES (ALL).

Minimum M.I. value for printing the modification index 10.000

M.I. E.P.C. Std E.P.C. StdYX E.P.C.

ON Statements

DEGASP ON OCCPR 13.569 0.041 0.041 0.065

SELECT ON OCCPR 52.098 -0.279 -0.279 -0.223

SELECT ON INCOME 12.284 -0.131 -0.131 -0.107

OCCPR ON DEGASP 28.016 0.151 0.151 0.096

OCCPR ON INCOME 49.432 0.122 0.122 0.125

OCCPR ON HSRANK 33.444 0.227 0.227 0.111

OCCPR ON ACADAB 39.984 0.260 0.260 0.122

INCOME ON OCCPR 49.432 0.130 0.130 0.128

INCOME ON PARINC 17.309 0.048 0.048 0.078

WITH Statements

OCCPR WITH DEGASP 13.569 0.102 0.102 0.067

OCCPR WITH SELECT 52.094 -0.689 -0.689 -0.256

INCOME WITH SELECT 12.283 -0.345 -0.345 -0.124

INCOME WITH OCCPR 49.432 0.322 0.322 0.126

PARINC WITH INCOME 14.572 0.300 0.300 0.070

ACADAB WITH OCCPR 13.789 0.068 0.068 0.059

TITLE: midterm 1.2 Background model;

DATA:

file = "B:\dropbox\class\Spring 2014\PSY533\midterm.dat";

type = stdeviations correlation;

nobservations = 3094;

VARIABLE:

names are parinc hsrank acadab degasp select occpr income;

USEVARIABLES ARE parinc hsrank acadab degasp select occpr income;

ANALYSIS: TYPE = GENERAL;

ITERATIONS=3000;

ESTIMATOR=ML;

MODEL: degasp ON parinc hsrank acadab;

select ON parinc hsrank acadab degasp;

occpr ON parinc hsrank acadab degasp ;

income ON parinc hsrank acadab degasp ;

parinc hsrank acadab with parinc hsrank acadab;

degasp with select@0 occpr@0 income@0;

select with occpr@0 income@0;

occpr with income@0;

OUTPUT: sampstat standardized residual mod;

SAMPLE STATISTICS

Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

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DEGASP 1.028

SELECT 0.432 3.960

OCCPR 0.202 0.491 2.531

INCOME 0.041 0.240 0.352 2.647

PARINC 0.271 1.545 0.249 0.401 7.017

HSRANK 0.153 0.575 0.189 0.047 0.113

ACADAB 0.178 0.566 0.193 0.077 0.304

Covariances/Correlations/Residual Correlations

HSRANK ACADAB

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HSRANK 0.604

ACADAB 0.285 0.554

THE MODEL ESTIMATION TERMINATED NORMALLY

MODEL FIT INFORMATION

Number of Free Parameters 25

Loglikelihood

H0 Value -36039.725

H1 Value -36006.928

Information Criteria

Akaike (AIC) 72129.449

Bayesian (BIC) 72280.380

Sample-Size Adjusted BIC 72200.945

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

Chi-Square Test of Model Fit

Value 65.594

Degrees of Freedom 3

P-Value 0.0000

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.082

90 Percent C.I. 0.066 0.100

Probability RMSEA <= .05 0.001

CFI/TLI

CFI 0.954

TLI 0.722

Chi-Square Test of Model Fit for the Baseline Model

Value 1370.899

Degrees of Freedom 18

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.026

MODEL RESULTS

Two-Tailed

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

DEGASP ON

PARINC 0.026 0.007 3.897 0.000

HSRANK 0.136 0.026 5.236 0.000

ACADAB 0.237 0.027 8.627 0.000

SELECT ON

PARINC 0.179 0.012 15.183 0.000

HSRANK 0.613 0.046 13.388 0.000

ACADAB 0.548 0.049 11.241 0.000

DEGASP 0.187 0.031 5.927 0.000

OCCPR ON

PARINC 0.019 0.011 1.745 0.081

HSRANK 0.181 0.042 4.348 0.000

ACADAB 0.204 0.044 4.601 0.000

DEGASP 0.129 0.029 4.509 0.000

INCOME ON

PARINC 0.052 0.011 4.691 0.000

HSRANK 0.019 0.043 0.443 0.658

ACADAB 0.099 0.046 2.164 0.030

DEGASP 0.006 0.030 0.211 0.833

PARINC WITH

HSRANK 0.113 0.037 3.055 0.002

ACADAB 0.303 0.036 8.466 0.000

HSRANK WITH

ACADAB 0.285 0.012 24.596 0.000

DEGASP WITH

SELECT 0.000 0.000 999.000 999.000

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

SELECT WITH

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

OCCPR WITH

INCOME 0.000 0.000 999.000 999.000

Variances

PARINC 7.015 0.178 39.332 0.000

HSRANK 0.604 0.015 39.332 0.000

ACADAB 0.553 0.014 39.332 0.000

Residual Variances

DEGASP 0.958 0.024 39.332 0.000

SELECT 2.939 0.075 39.332 0.000

OCCPR 2.426 0.062 39.332 0.000

INCOME 2.616 0.067 39.332 0.000

STANDARDIZED MODEL RESULTS

STDYX Standardization

Two-Tailed

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

DEGASP ON

PARINC 0.068 0.018 3.905 0.000

HSRANK 0.104 0.020 5.257 0.000

ACADAB 0.174 0.020 8.724 0.000

SELECT ON

PARINC 0.239 0.015 15.517 0.000

HSRANK 0.239 0.018 13.636 0.000

ACADAB 0.205 0.018 11.388 0.000

DEGASP 0.095 0.016 5.945 0.000

OCCPR ON

PARINC 0.031 0.018 1.746 0.081

HSRANK 0.088 0.020 4.360 0.000

ACADAB 0.095 0.021 4.615 0.000

DEGASP 0.082 0.018 4.523 0.000

INCOME ON

PARINC 0.085 0.018 4.708 0.000

HSRANK 0.009 0.021 0.443 0.658

ACADAB 0.045 0.021 2.165 0.030

DEGASP 0.004 0.019 0.211 0.833

PARINC WITH

HSRANK 0.055 0.018 3.069 0.002

ACADAB 0.154 0.018 8.774 0.000

HSRANK WITH

ACADAB 0.493 0.014 36.228 0.000

DEGASP WITH

SELECT 0.000 0.000 999.000 999.000

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

SELECT WITH

OCCPR 0.000 0.000 999.000 999.000

INCOME 0.000 0.000 999.000 999.000

OCCPR WITH

INCOME 0.000 0.000 999.000 999.000

Variances

PARINC 1.000 0.000 999.000 999.000

HSRANK 1.000 0.000 999.000 999.000

ACADAB 1.000 0.000 999.000 999.000

Residual Variances

DEGASP 0.932 0.009 106.470 0.000

SELECT 0.742 0.014 54.799 0.000

OCCPR 0.959 0.007 137.080 0.000

INCOME 0.989 0.004 262.078 0.000

R-SQUARE

Observed Two-Tailed

Variable Estimate S.E. Est./S.E. P-Value

DEGASP 0.068 0.009 7.797 0.000

SELECT 0.258 0.014 19.013 0.000

OCCPR 0.041 0.007 5.885 0.000

INCOME 0.011 0.004 2.985 0.003

RESIDUAL OUTPUT

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED)

Model Estimated Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

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DEGASP 1.028

SELECT 0.432 3.959

OCCPR 0.202 0.304 2.530

INCOME 0.041 0.151 0.037 2.646

PARINC 0.271 1.544 0.249 0.401 7.015

HSRANK 0.153 0.575 0.189 0.047 0.113

ACADAB 0.178 0.565 0.193 0.077 0.303

Model Estimated Covariances/Correlations/Residual Correlations

HSRANK ACADAB

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HSRANK 0.604

ACADAB 0.285 0.553

Residuals for Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 0.000

SELECT 0.000 0.000

OCCPR 0.000 0.187 0.000

INCOME 0.000 0.089 0.315 0.000

PARINC 0.000 0.000 0.000 0.000 0.000

HSRANK 0.000 0.000 0.000 0.000 0.000

ACADAB 0.000 0.000 0.000 0.000 0.000

Residuals for Covariances/Correlations/Residual Correlations

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 0.000

ACADAB 0.000 0.000

Standardized Residuals (z-scores) for Covariances/Correlations/Residual Corr

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 0.000

SELECT 0.000 999.000

OCCPR 0.000 3.851 999.000

INCOME 999.000 1.779 6.885 999.000

PARINC 0.037 999.000 999.000 999.000 999.000

HSRANK 0.000 0.000 999.000 999.000 999.000

ACADAB 0.000 999.000 999.000 999.000 999.000

Standardized Residuals (z-scores) for Covariances/Correlations/Residual Corr

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 0.000

ACADAB 0.000 0.000

Normalized Residuals for Covariances/Correlations/Residual Correlations

DEGASP SELECT OCCPR INCOME PARINC

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

DEGASP 0.000

SELECT 0.000 0.000

OCCPR 0.000 3.244 0.000

INCOME 0.000 1.523 6.707 0.000

PARINC 0.000 0.000 0.000 0.000 0.000

HSRANK 0.000 0.000 0.000 0.000 0.000

ACADAB 0.000 0.000 0.000 -0.001 0.000

Normalized Residuals for Covariances/Correlations/Residual Correlations

HSRANK ACADAB

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

HSRANK 0.000

ACADAB 0.000 0.000

MODEL MODIFICATION INDICES

NOTE: Modification indices for direct effects of observed dependent variables

regressed on covariates may not be included. To include these, request

MODINDICES (ALL).

Minimum M.I. value for printing the modification index 10.000

M.I. E.P.C. Std E.P.C. StdYX E.P.C.

ON Statements

SELECT ON OCCPR 15.138 0.077 0.077 0.062

OCCPR ON SELECT 15.137 0.064 0.064 0.079

OCCPR ON INCOME 48.321 0.120 0.120 0.123

INCOME ON OCCPR 48.320 0.130 0.130 0.127

WITH Statements

OCCPR WITH SELECT 15.138 0.187 0.187 0.070

INCOME WITH OCCPR 48.321 0.315 0.315 0.125