

The effect of parents' education and income on children's school performance: the mediating role of the family environment and children's characteristics

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MODEL SCRIPT

TITLE: Model 1_complex

DATA:

FILE IS Grades_children_wellbeing_mplus2.dat;

VARIABLE:

NAMES ARE

w1_hid math czech forlan

chsex chage chfirst siblings chread

chrehob chretalk chreshop chregift chreadpar chaspir

satgen mage medu fedu pedu hincome single steph

books hrehob hretalk hreshop hregift

haspir play exp talkmo;

MISSING = ALL (-999);

USEVAR = w1_hid math czech forlan

chsex chage chfirst siblings chread

chrehob chretalk chreshop chregift chreadpar chaspir

satgen pedu hincome mage single steph

books hrehob hretalk hreshop hregift

haspir play exp;

CLUSTER = w1_hid;

ANALYSIS:

TYPE = complex;

estimator=MLR;

MODEL:

chscholar BY chrehob chretalk chreshop chregift chread;

scholar BY hrehob hretalk hreshop hregift;

gr BY math czech forlan;
 parinter BY play exp;
 scholar ON pedu hincome single steph;
 books ON pedu hincome single steph scholar;
 chreadpar ON pedu hincome single steph scholar;
 haspir ON mage pedu hincome single steph
 books scholar;
 parinter ON mage pedu hincome single steph;
 chscholar ON chsex chage chfirst siblings satgen
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 chaspir ON chsex chage chfirst siblings chscholar satgen
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 satgen ON chsex chage chfirst siblings
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 gr ON pedu hincome mage single steph
 haspir parinter scholar chreadpar books
 chsex chage chfirst siblings chaspir chscholar satgen;

MODEL INDIRECT:

gr IND pedu;
 gr IND hincome;
 gr IND haspir;
 gr IND parinter;
 gr IND scholar;
 gr IND chreadpar;
 gr IND books;

OUTPUT: TECH1 standardized sampstat modindices;

TITLE: Model 1_complex_grouping

DATA:

FILE IS Grades_children_wellbeing_mplus2.dat;

VARIABLE:

NAMES ARE

w1_hid math czech forlan

chsex chage chfirst siblings chread

chrehob chretalk chreshop chregift chreadpar chaspir

satgen mage medu fedu pedu hincome single steph

books hrehob hretalk hreshop hregift

haspir play exp talkmo;

MISSING = ALL (-999);

USEVAR = w1_hid math czech forlan

chsex chage chfirst siblings chread

chrehob chretalk chreshop chregift chreadpar chaspir

satgen pedu hincome mage single steph

books hrehob hretalk hreshop hregift

haspir play exp;

CLUSTER = w1_hid;

GROUPING = chsex (0 = boys 1 = girls);

ANALYSIS:

TYPE = complex;

estimator=MLR;

MODEL:

chscholar BY chrehob chretalk chreshop chregift chread;

scholar BY hrehob hretalk hreshop hregift;

gr BY math czech forlan;

parinter BY play exp;

scholar ON pedu hincome single steph;

books ON pedu hincome single steph scholar;

chreadpar ON pedu hincome single steph scholar;

haspir ON mage pedu hincome single steph

books scholar;
 parinter ON mage pedu hincome single steph;
 chscholar ON chage chfirst siblings satgen
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 chaspir ON chage chfirst siblings chscholar satgen
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 satgen ON chage chfirst siblings
 mage pedu hincome single steph
 books scholar chreadpar haspir parinter;
 gr ON pedu hincome mage single steph
 haspir parinter scholar chreadpar books
 chage chfirst siblings chaspir chscholar satgen;

MODEL INDIRECT:

gr IND pedu;
 gr IND hincome;
 gr IND haspir;
 gr IND parinter;
 gr IND scholar;
 gr IND chreadpar;
 gr IND books;

OUTPUT: TECH1 standardized sampstat modindices;