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Title:
Substance use cohort group latent growth model-Free
DATA:
  FILE IS C9-12-15 W1-3 SUB Condensed File n=2336.dat;
!Tells program which data file to use in running this program
VARIABLE:
  MISSING ARE ALL (-999); !Sets the global missing value for data set
  NAMES ARE subid basisid wave cohort source subufile suburaid
  month day year hrssubus minsubus hrssubue minsubue evalcw1
  lyalcw1 evpotw1 lypotw1 evcocw1 lycocw1 evcrkw1 lycrkw1
  evgluw1 lygluw1 evodrw1 lyodrw1 evalcw2 lyalcw2 evpotw2
  lypotw2 evcocw2 lycocw2 evcrkw2 lycrkw2 evgluw2 lygluw2
  evpsyw2 lypsyw2 evherw2 lyherw2 evbarw2 lybarw2 evtraw2
  lytraw2 evampw2 lyampw2 evalcw3 lyalcw3 evpotw3 lypotw3
  evcocw3 lycocw3 evcrkw3 lycrkw3 evgluw3 lygluw3 evpsyw3
  lypsyw3 evherw3 lyherw3 evbarw3 lybarw3 evtraw3 lytraw3
  evampw3 lyampw3 subuclnd evpsyw1 lypsyw1 evherw1 lyherw1
  evbarw1 lybarw1 evtraw1 lytraw1 evampw1 lyampw1 evalcw1b
  lyalcw1b evpotw1b lypotw1b evcocw1b lycocw1b evcrkw1b
  lycrkw1b evgluw1b lygluw1b evodrw1b lyodrw1b evalcw2b
  lyalcw2b evpotw2b lypotw2b evcocw2b lycocw2b evcrkw2b lycrkw2b
  evgluw2b lygluw2b evpsyw2b lypsyw2b evherw2b lyherw2b
  evbarw2b lybarw2b evtraw2b lytraw2b evampw2b lyampw2b
  evalcw3b lyalcw3b evpotw3b lypotw3b evcocw3b lycocw3b
  evcrkw3b lycrkw3b evgluw3b lygluw3b evpsyw3b lypsyw3b
  evherw3b lyherw3b evbarw3b lybarw3b evtraw3b lytraw3b evampw3b
  lyampw3b evpsyw1b lypsyw1b evherw1b lyherw1b evbarw1b
  lybarw1b evtraw1b lytraw1b evampw1b lyampw1b lyodrw2b
  lyodrw3b lyaodw1b lyaodw2b lyaodw3b lyad4w1b lyad4w2b
  lyad4w3b lydrgw1b lydrgw2b lydrgw3b lyad3w1b lyad3w2b lyad3w3b;
usevariables are lyaodw1b lyaodw2b lyaodw3b; !Defines the Wave 1-3
!Substance Use measures to be used in the growth models
count= lyaodw1b (i) lyaodw2b (i)lyaodw3b (i); !designates variables
!as count distributed with zero inflaction "(i)";
classes= ccoh (3);!Creates a "class" variable with three categories
knownclass= ccoh (cohort=9 cohort=12 cohort=15);!defines categories
!based on the "cohort" variable, this creates the groups for the analysis
ANALYSIS: type=mixture;!overall command for class-based analysis
algorithm=integration;!Necessary setting for Count model
MODEL:
i s |lyaodw1b@0 lyaodw2b@2 lyaodw3b@4;!syntax for growth model in MPlus,
!allows for different growth parameters across the three cohorts
OUTPUT: TECH1;!Provides summary of estimated parameters
Plot: type is Plot1 Plot2 Plot3;
series =  lyaodw1b-lyaodw3b (*);!provides line plots for growth trends, estimated
! and actual
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