

TITLE:

Rasch model for SRO violence-PHDCN, Wave 1

DATA:

FILE IS Full SRO Condensed File 9-30-10.dat;

!Tells the program where to find the data file for this analysis

VARIABLE:

MISSING ARE ALL (-999);!Indicates a global missing value for data

NAMES ARE subid basisid wave cohort source srofile month day

wave2 cohort2 sroclnd2 wave3 cohort3 sroclnd3 anhw1 lyhw1

anaw1 lyaw1 angft1 lygft1 anfir1 lyfir1 anspur1

lyspur1 anhfam1 lyhfam1 anhoth1 lyhoth1 anrobh1

lyrobh1 anthrow1 lythrow1 andprp1 lydprp1 anbbld1

lybbld1 ansstr1 lysstr1 anshou1 lyshou1 anscar1

lyscar1 ansgdw1 lysgdw1 anspot1 lyspot1 anscoc1 lyscoc1

ansher1 lysher1 anhw2 lyhw2 anaw2 lyaw2

angft2 lygft2 anfir2 lyfir2 anspur2 lyspur2 anhfam2

lyhfam2 anhoth2 lyhoth2 anrobh2 lyrobh2 anthrow2

lythrow2 andprp2 lydprp2 anbbld2 lybbld2 ansstr2

lysstr2 anshou2 lyshou2 anscar2 lyscar2 ansgdw2 lysgdw2

anspot2 lyspot2 anscoc2 lyscoc2 ansher2 lysher2

anhw3 lyhw3 anaw3 lyaw3 angft3 lygft3 anfir3

lyfir3 anspur3 lyspur3 anhfam3 lyhfam3 anhoth3

lyhoth3 anrobh3 lyrobh3 anthrow3 lythrow3 andprp3

lydprp3 anbbld3 lybbld3 ansstr3 lysstr3 anshou3 lyshou3

anscar3 lyscar3 ansgdw3 lysgdw3 anspot3 lyspot3

anscoc3 lyscoc3 ansher3 lysher3 anrawy1 lyrawy1

anaschw1 lyaschw1 andisw1 lydisw1 anpsexw1 lypsexw1

antickw1 lytickw1 andsusw1 lydisw1 anrawy2 lyrawy2 anaschw2

lyaschw2 andisw2 lydisw2 anpsexw2 lypsexw2 antickw2

lytickw2 andsusw2 lydisw2 anrawy3 lyrawy3 anaschw3

lyaschw3 andisw3 lydisw3 anpsexw3 lypsexw3 antickw3 lytickw3

andsusw3 lydisw3;

USEVARIABLES ARE anhw1 anaw1 anspur1 anhoth1 anrobh1

anthrow1 angft1; !Indicates which variables are to be used in current analysis

CATEGORICAL ARE anhw1 anaw1 anspur1 anhoth1 anrobh1

anthrow1 angft1;!Indicates that these are dichotomous indicators for violence

IDVARIABLE is subid;!Designates "subid" as a unique identifier for individual cases

!used to merge this subfile with others

ANALYSIS: ESTIMATOR=ML;

MODEL: Violen1 by anhw1 anaw1 anspur1 anhoth1 anrobh1 !by defines the latent

anthrow1 angft1*(1); !variable measured by the 7 SR Violence items

Violen1@1; !Parameterization of Rasch Model in Mplus

OUTPUT: TECH1 TECH8;

SAVEDATA:

File is wavel viol rasch scores.dat; ! Saves a new data file containing IRT scores

SAVE=FSCORES; !based on model presented above ("SAVE=FSCORES")

Plot:

type=plot2;!Provides ancillary plots (e.g., item characteristic curves)