

TITLE: DSEM Sleep & Sedentary;

Data:

File is Data.dat;

Variable:

Names ARE

ID

Sedentary

Sleep;

Cluster = ID; !Specifies the person ID

Usevar = Sleep Sedentary;

Lagged = Sedentary(1) Sleep(1) ; !lags sedentary & sleep by 1

Missing = all(-9999);

Analysis:

TYPE = twolevel Random;

Estimator = Bayes; !DSEM requires Bayes

Proc= 2;

Bits= (5000);

bseed = 526;

thin = 10;

Model :

%WITHIN%

!Random Slopes;

SED_Lag | Sedentary ON Sedentary&1; !autoregressive path for sedentary

SED_Sle | Sedentary ON Sleep&1; !Crosslagged predicting sedentary

SLE_Sed | Sleep ON Sedentary; !Crosslagged predicting sleep

SLE_Lag | Sleep ON Sleep&1; !autoregressive path for sleep

%Between% ! Allowing for correlated error terms

Sedentary WITH Sleep;

Sed_Lag WITH SED_sle SLE_sed SLE_lag Sedentary Sleep;

SED_sle WITH SLE_sed SLE_lag Sedentary Sleep;

SLE_sed WITH SLE_lag Sedentary Sleep;

SLE_lag WITH Sedentary Sleep;

OUTPUT: STDYX; !Standardized output to compare cross lagged effects