TITLE: Multilevel Models 1 - 5

DATA: FILE IS Cexcel.dat;

VARIABLE:

NAMES ARE s1ageyrs s1sex income hburd star stat totsibr extern coop Parent ID;

MISSING ARE ALL (-99);

USEVAR= s1ageyrs s1sex income hburd star stat totsibr extern coop

Par p\_hburd p\_stat p\_star p\_totsibr; !Parent gender and interaction variables

BETWEEN = s1ageyrs s1sex income;

WITHIN = hburd stat star totsibr

par p\_hburd p\_stat p\_star p\_totsibr;

MISSING = ALL(-99);

CLUSTER= ID;

DEFINE:

par=parent-1;

p\_hburd=par\*hburd;

p\_stat=par\*stat;

p\_star=par\*star;

p\_totsibr=par\*totsibr;

ANALYSIS: TYPE=TWOLEVEL;

MODEL:

%BETWEEN%

!Covariances of the BETWEEN predictors

s1ageyrs s1sex income WITH

s1ageyrs s1sex income;

extern coop ON s1ageyrs s1sex income ;

%WITHIN%

!Covariances of the WITHIN predictors

hburd stat star totsibr par p\_hburd p\_stat p\_star p\_totsibr WITH

hburd stat star totsibr par p\_hburd p\_stat p\_star p\_totsibr;

extern coop ON hburd stat star totsibr par ! Model 5 (final model)

p\_hburd p\_stat p\_star p\_totsibr;

!extern coop ON hburd stat star totsibr par ! Model 4

!p\_hburd@0 p\_stat@0 p\_star@0 p\_totsibr@0;

!extern coop ON hburd stat star totsibr

!par@0 ! Model 3

!p\_hburd@0 p\_stat@0 p\_star@0 p\_totsibr@0;

!extern coop ON hburd stat star ! Model 2

!totsibr@0 !par@0

!p\_hburd@0 p\_stat@0 p\_star@0 p\_totsibr@0;

!extern coop ON hburd ! Model 1

!stat@0 star@0 ! authoritatative, authoritarian parenting

!totsibr@0 ! sibling relationships

!par@0 ! parent gender

!p\_hburd@0 p\_stat@0 p\_star@0 p\_totsibr@0; ! interactions

OUTPUT: stdyx;