```
 TITLE:        MIDUS Stress Reactivity;

 DATA:   FILE = MIDUS_A12_B12_PWB_stressreact_181216.dat;
         FORMAT = free;
         TYPE = INDIVIDUAL;

 VARIABLE:

NAMES ARE ID DayID BurstID Burst M2FAMNUM
   A2DNEGAF A2DANYST A1PAGE A1PRSEX A1PEDUCP
   A1_PWB B1_PWB PMStres1 PMStres2 BMStress PMStress
   ;


USEVARIABLES ARE id BurstID
    Burst A1PAGE A1PRSEX A2DANYST BMStress
    PMStress
    Educ T1Out T2Out NA;

     MISSING ARE ALL (9999);

     CLUSTER = ID BurstID;

     WITHIN = A2DANYST;
     BETWEEN =(BurstID) Burst BMStress
               (ID) A1PAGE A1PRSEX Educ T1Out T2Out PMStress;

   Define:
           NA=A2DNEGAF;
           T1Out=A1_PWB; T2Out=B1_PWB;
           Educ=A1PEDUCP-3;
       CENTER A1PAGE (GRANDMEAN);

 ANALYSIS:   TYPE IS THREELEVEL RANDOM;
             ESTIMATOR IS MLR;

 MODEL:

 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
 !!!!! MODEL 1: Empty, Unconditional means Model;!
 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
     ! Level-1, day-level model;
!         %WITHIN%
!             ;
      ! Level-2, burst-level model;
!         %BETWEEN BurstID%
!            NA*
      ! Level-3, person-level model;
!         %BETWEEN ID%
!            NA*
```

```
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!! MODEL 2: 3-LEvEL Model -- NA ON stress;!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

    ! Level-1, day-level model;
       %WITHIN%
          str_reac | NA ON A2DANYST ;

     ! Level-2, burst-level model;
       %BETWEEN BurstID%
          NA ON Burst BMStress;
        Change | str_reac ON Burst;

     ! Level-3, person-level model;
       %BETWEEN ID%
          NA*
        T2Out ON A1PAGE A1PRSEX Educ
                    T1Out Change str_reac NA PMStress;


OUTPUT: CINTERVAL;
```