

RECODE

m6 m7 m8 e4 e5 e11 e12 e17 d1a d2a d3a d4a d5a d6a d7a d8a d9a d10a d11a  
d12a d13a d23 d26 d27 d28 d29 d30 d31 l24 l27 l28 l29 f3 f18a f19a f20a f21a  
f22a f23a f24a f25a f26a f30 f32 f34 p4a p5a p6a p7a p8a p9a p10a p11a p12  
p13 p14 (SYSMIS=-99) .  
EXECUTE .

/\* The following statements compute composite scores for ASI \*/

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NOTE: Make sure F18a thru F26a does NOT have -99 or -98 set to SYSMIS!

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compute fammiss = 0. /\* No missing value (X) in any of the items \*/

if (f18a = -99) or

(f19a = -99) or

(f20a = -99) or

(f21a = -99) or

(f22a = -99) or

(f23a = -99) or

(f24a = -99) or

(f25a = -99) or

(f26a = -99)

fammiss = 1. /\* At least one item has a missing value (X) \*/

execute.

/\*Number of no contact questions f18 to f26 \*/

count famcon = f18a, f19a, f20a, f21a, f22a, f23a, f24a, f25a, f26a (-98).

execute.

missing values

f18a f19a f20a f21a f22a f23a f24a f25a f26a (-98 -99).

execute.

\*\*\*\*\*

NOTE: The above statements for family and social composite

score MUST be run BEFORE setting -98 and -99 to missing

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\* medical composite score.

compute medcomp=((m6/90)+(m7/12)+(m8/12)).

\* employment composite score.

if (e4 = 0) e5 = 0.

if not(missing(e12)) #logemp = 0.

if (e12 > 0) #logemp = ln(e12).

if (#logemp > 9) #logemp = 9.

compute empcomp = (1-((e4/4)+(e5/4)+(e11/120)+(#logemp/36))).

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* alcohol composite score.
if not(missing(d23)) #logalc = 0.
if (d23 > 0) #logalc = ln(d23).
if (#logalc > 7.3) #logalc = 7.3.

compute alccomp = ((d1a/180)+(d2a/180)+(d26/180)+
  (d28/24)+(d30/24)+(#logalc/44)).

* drug composite score.
compute drgcomp = ((d3a/390)+(d4a/390)+(d5a/390)+
  (d6a/390)+(d7a/390)+(d8a/390)+
  (d9a/390)+(d10a/390)+(d11a/390)+
  (d13a/390)+(d27/390)+(d29/52)+
  (d31/52)).

* legal composite score.
if not(missing(e17)) #logleg = 0.
if (e17 > 0) #logleg = ln(e17).
if (#logleg > 9.2) #logleg = 9.2.
compute legcomp = ((l24/5)+(l27/150)+(l28/20)+
  (l29/20)+(#logleg/46)).

* family/social composite score.
compute #rvsms = f3.
recode #rvsms (0 = 2) (2 = 0).
count #numer = f18a,f19a,f20a,f21a,f22a,f23a,f24a,
  f25a,f26a (1).
count #denom = f18a,f19a,f20a,f21a,f22a,f23a,f24a,
  f25a,f26a (0,1).

/* Handle the division by zero error */
compute #ratio = 0.
if (famcon <> 9 and #denom <>0)
#ratio = (#numer/#denom).

if (fammiss = 0) /* ONLY IF NONE OF THE ITEMS HAVE X FOR THE RATIO */
  famcomp = ((#rvsms/10)+(f30/150)+(f32/20)+
  (f34/20)+(#ratio/5)).
execute.

* psychiatric composite score.
compute psycomp = (((p4a+p5a+p6a+p7a+p8a+p9a+
  p10a+p11a)/11)+(p12/330)+(p13/44)
  +(p14/44)).
execute.

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VARIABLE LABELS

/medcomp "ASI medical composite score"  
/empcomp "ASI employment composite score"  
/alccomp "ASI alcohol composite score"  
/drgcomp "ASI drug use composite score"  
/legcomp "ASI legal composite score"  
/famcomp "ASI family/social composite score"  
/psycomp "ASI psychological composite score".

missing values

medcomp empcomp alccomp drgcomp legcomp famcomp psycomp (-98 -99).  
execute.