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*  scoring algorithm for the KIDSCREEN-10 self report version with 1 Missing   *
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*       copyright and intelectual property: The European KIDSCREEN group       *

*******************************************************************************
*     1) uses transformed KIDSCREEN item-scores (transformed e.g. by a priori  *
*        application of the syntax "transform_KIDSCREEN-10_rawdata.SPS")       *
*     2) based on the RASCH-Person-Parameter Estimates                         *
*     3) T-values were computed wich refer to the entire KIDSCREEN survey      *
*       (excluded were Ireland, cases older than 18, younger than 8, > 25%     *
*        missings in KIDSCREEN items, with one missing in the particular scale)*
*     4) for the entire European sample the mean of the T-values is 50, the    *
*        standard deviation is 10                                              *
*******************************************************************************




IF (MISSING(KY10IN01)) KC10IN_R = KY10IN02 + KY10IN03 + KY10IN04 + KY10IN05 +
KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN01)) .
RECODE KC10IN_R
(     9     =     -4.261      )
(     10    =     -3.133      )
(     11    =     -2.594      )
(     12    =     -2.232      )
(     13    =     -1.957      )
(     14    =     -1.732      )
(     15    =     -1.541      )
(     16    =     -1.374      )
(     17    =     -1.224      )
(     18    =     -1.087      )
(     19    =     -0.96 )
(     20    =     -0.84 )
(     21    =     -0.726      )
(     22    =     -0.617      )
(     23    =     -0.51 )
(     24    =     -0.406      )
(     25    =     -0.302      )
(     26    =     -0.199      )
(     27    =     -0.095      )
(     28    =     0.01  )
(     29    =     0.117 )
(     30    =     0.227 )
(     31    =     0.341 )
(     32    =     0.461 )
(     33    =     0.586 )
(     34    =     0.719 )
(     35    =     0.861 )
(     36    =     1.014 )
(     37    =     1.18  )
(     38    =     1.364 )
(     39    =     1.569 )
(     40    =     1.802 )
(     41    =     2.074 )
(     42    =     2.399 )
(     43    =     2.814 )
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(     44    =     3.406 )
(     45    =     4.587 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN02)) KC10IN_R = KY10IN01 + KY10IN03 + KY10IN04 + KY10IN05 +
KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN02)) .
RECODE KC10IN_R
(     9     =     -4.161      )

(     10    =     -3.045      )
(     11    =     -2.519      )
(     12    =     -2.168      )
(     13    =     -1.903      )
(     14    =     -1.687      )
(     15    =     -1.504      )
(     16    =     -1.344      )
(     17    =     -1.2  )
(     18    =     -1.069      )
(     19    =     -0.947      )
(     20    =     -0.831      )
(     21    =     -0.721      )
(     22    =     -0.615      )
(     23    =     -0.512      )
(     24    =     -0.41 )
(     25    =     -0.31 )
(     26    =     -0.209      )
(     27    =     -0.108      )
(     28    =     -0.005      )
(     29    =     0.1   )
(     30    =     0.207 )
(     31    =     0.319 )
(     32    =     0.436 )
(     33    =     0.559 )
(     34    =     0.689 )
(     35    =     0.828 )
(     36    =     0.978 )
(     37    =     1.141 )
(     38    =     1.321 )
(     39    =     1.523 )
(     40    =     1.751 )
(     41    =     2.017 )
(     42    =     2.338 )
(     43    =     2.747 )
(     44    =     3.333 )
(     45    =     4.508 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN03)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN04 + KY10IN05 +
KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN03)) .
RECODE KC10IN_R
(     9     =     -4.196      )
(     10    =     -3.069      )
(     11    =     -2.533      )
(     12    =     -2.174      )
(     13    =     -1.902      )
(     14    =     -1.681      )
(     15    =     -1.494      )
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(     16    =     -1.33 )
(     17    =     -1.183      )
(     18    =     -1.048      )
(     19    =     -0.924      )
(     20    =     -0.806      )
(     21    =     -0.694      )
(     22    =     -0.586      )
(     23    =     -0.481      )
(     24    =     -0.378      )
(     25    =     -0.276      )
(     26    =     -0.173      )
(     27    =     -0.071      )
(     28    =     0.034 )
(     29    =     0.14  )
(     30    =     0.25  )
(     31    =     0.364 )
(     32    =     0.482 )
(     33    =     0.607 )
(     34    =     0.739 )
(     35    =     0.879 )
(     36    =     1.031 )
(     37    =     1.196 )
(     38    =     1.378 )
(     39    =     1.581 )
(     40    =     1.811 )
(     41    =     2.079 )
(     42    =     2.401 )
(     43    =     2.812 )
(     44    =     3.4   )
(     45    =     4.577 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN04)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN05 +
KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN04)) .
RECODE KC10IN_R
(     9     =     -4.267      )
(     10    =     -3.142      )
(     11    =     -2.607      )
(     12    =     -2.247      )
(     13    =     -1.973      )
(     14    =     -1.75 )
(     15    =     -1.559      )
(     16    =     -1.391      )
(     17    =     -1.24 )
(     18    =     -1.102      )
(     19    =     -0.972      )
(     20    =     -0.849      )
(     21    =     -0.732      )
(     22    =     -0.618      )
(     23    =     -0.506      )
(     24    =     -0.397      )
(     25    =     -0.287      )
(     26    =     -0.178      )
(     27    =     -0.068      )
(     28    =     0.044 )
(     29    =     0.158 )
(     30    =     0.275 )
(     31    =     0.396 )
(     32    =     0.522 )
(     33    =     0.654 )
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(     34    =     0.793 )
(     35    =     0.941 )
(     36    =     1.1   )
(     37    =     1.271 )
(     38    =     1.46  )
(     39    =     1.668 )
(     40    =     1.904 )
(     41    =     2.175 )
(     42    =     2.5   )
(     43    =     2.911 )
(     44    =     3.498 )
(     45    =     4.673 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN05)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN05)) .
RECODE KC10IN_R
(     9     =     -4.25 )
(     10    =     -3.123      )
(     11    =     -2.586      )
(     12    =     -2.224      )
(     13    =     -1.948      )
(     14    =     -1.723      )
(     15    =     -1.531      )
(     16    =     -1.363      )
(     17    =     -1.211      )
(     18    =     -1.072      )
(     19    =     -0.943      )
(     20    =     -0.821      )
(     21    =     -0.705      )
(     22    =     -0.592      )
(     23    =     -0.483      )
(     24    =     -0.376      )
(     25    =     -0.27 )
(     26    =     -0.164      )
(     27    =     -0.057      )
(     28    =     0.052 )
(     29    =     0.162 )
(     30    =     0.276 )
(     31    =     0.394 )
(     32    =     0.517 )
(     33    =     0.647 )
(     34    =     0.784 )
(     35    =     0.93  )
(     36    =     1.087 )
(     37    =     1.258 )
(     38    =     1.445 )
(     39    =     1.654 )
(     40    =     1.889 )
(     41    =     2.161 )
(     42    =     2.487 )
(     43    =     2.899 )
(     44    =     3.487 )
(     45    =     4.663 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN06)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN05 + KY10IN07 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
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DO IF (MISSING(KY10IN06)) .
RECODE KC10IN_R
(     9     =     -4.224      )
(     10    =     -3.098      )
(     11    =     -2.563      )
(     12    =     -2.204      )
(     13    =     -1.931      )
(     14    =     -1.709      )
(     15    =     -1.521      )
(     16    =     -1.356      )
(     17    =     -1.208      )
(     18    =     -1.072      )
(     19    =     -0.946      )
(     20    =     -0.827      )
(     21    =     -0.714      )
(     22    =     -0.604      )
(     23    =     -0.497      )
(     24    =     -0.392      )
(     25    =     -0.287      )
(     26    =     -0.183      )
(     27    =     -0.077      )
(     28    =     0.03  )
(     29    =     0.14  )
(     30    =     0.254 )
(     31    =     0.372 )
(     32    =     0.496 )
(     33    =     0.626 )
(     34    =     0.764 )
(     35    =     0.912 )
(     36    =     1.071 )
(     37    =     1.244 )
(     38    =     1.434 )
(     39    =     1.644 )
(     40    =     1.882 )
(     41    =     2.156 )
(     42    =     2.483 )
(     43    =     2.897 )
(     44    =     3.486 )
(     45    =     4.663 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN07)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN05 + KY10IN06 + KY10IN08 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN07)) .
RECODE KC10IN_R
(     9     =     -4.187      )
(     10    =     -3.072      )
(     11    =     -2.546      )
(     12    =     -2.195      )

(     13    =     -1.928      )
(     14    =     -1.712      )
(     15    =     -1.528      )
(     16    =     -1.367      )
(     17    =     -1.223      )
(     18    =     -1.09 )
(     19    =     -0.967      )
(     20    =     -0.851      )
(     21    =     -0.74 )
(     22    =     -0.633      )
(     23    =     -0.529      )
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(     24    =     -0.426      )
(     25    =     -0.324      )
(     26    =     -0.222      )
(     27    =     -0.119      )
(     28    =     -0.015      )
(     29    =     0.092 )
(     30    =     0.203 )
(     31    =     0.318 )
(     32    =     0.439 )
(     33    =     0.567 )
(     34    =     0.702 )
(     35    =     0.848 )
(     36    =     1.006 )
(     37    =     1.178 )
(     38    =     1.367 )
(     39    =     1.579 )
(     40    =     1.818 )
(     41    =     2.095 )
(     42    =     2.426 )
(     43    =     2.844 )
(     44    =     3.438 )
(     45    =     4.619 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN08)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN05 + KY10IN06 + KY10IN07 + KY10IN09 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN08)) .
RECODE KC10IN_R
(     9     =     -4.208      )
(     10    =     -3.089      )
(     11    =     -2.56 )
(     12    =     -2.207      )
(     13    =     -1.939      )
(     14    =     -1.721      )
(     15    =     -1.537      )
(     16    =     -1.375      )
(     17    =     -1.229      )
(     18    =     -1.096      )
(     19    =     -0.972      )
(     20    =     -0.856      )
(     21    =     -0.744      )

(     22    =     -0.637      )
(     23    =     -0.532      )
(     24    =     -0.429      )
(     25    =     -0.326      )
(     26    =     -0.224      )
(     27    =     -0.121      )
(     28    =     -0.016      )
(     29    =     0.092 )
(     30    =     0.203 )
(     31    =     0.319 )
(     32    =     0.44  )
(     33    =     0.568 )
(     34    =     0.705 )
(     35    =     0.851 )
(     36    =     1.008 )
(     37    =     1.18  )
(     38    =     1.37  )
(     39    =     1.581 )
(     40    =     1.819 )
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(     41    =     2.096 )
(     42    =     2.425 )
(     43    =     2.843 )
(     44    =     3.436 )
(     45    =     4.617 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN09)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN05 + KY10IN06 + KY10IN07 + KY10IN08 + KY10IN10 .
EXECUTE .
DO IF (MISSING(KY10IN09)) .
RECODE KC10IN_R
(     9     =     -4.277      )
(     10    =     -3.15 )
(     11    =     -2.613      )
(     12    =     -2.252      )
(     13    =     -1.977      )
(     14    =     -1.753      )
(     15    =     -1.562      )
(     16    =     -1.395      )
(     17    =     -1.245      )
(     18    =     -1.107      )
(     19    =     -0.98 )
(     20    =     -0.859      )
(     21    =     -0.745      )
(     22    =     -0.635      )
(     23    =     -0.528      )
(     24    =     -0.423      )
(     25    =     -0.319      )
(     26    =     -0.216      )
(     27    =     -0.112      )
(     28    =     -0.006      )
(     29    =     0.101 )
(     30    =     0.211 )
(     31    =     0.326 )
(     32    =     0.444 )
(     33    =     0.569 )
(     34    =     0.701 )
(     35    =     0.842 )
(     36    =     0.994 )
(     37    =     1.16  )
(     38    =     1.342 )
(     39    =     1.545 )
(     40    =     1.776 )
(     41    =     2.044 )
(     42    =     2.368 )
(     43    =     2.78  )
(     44    =     3.37  )
(     45    =     4.549 )     .
END IF .
EXECUTE .

IF (MISSING(KY10IN10)) KC10IN_R = KY10IN01 + KY10IN02 + KY10IN03 + KY10IN04 +
KY10IN05 + KY10IN06 + KY10IN07 + KY10IN08 + KY10IN09 .
EXECUTE .
DO IF (MISSING(KY10IN10)) .
RECODE KC10IN_R
(     9     =     -4.184      )
(     10    =     -3.064      )
(     11    =     -2.535      )
(     12    =     -2.181      )
(     13    =     -1.913      )
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```
(     14    =     -1.696      )
(     15    =     -1.512      )
(     16    =     -1.351      )
(     17    =     -1.206      )
(     18    =     -1.073      )
(     19    =     -0.95 )
(     20    =     -0.834      )
(     21    =     -0.723      )
(     22    =     -0.617      )
(     23    =     -0.513      )
(     24    =     -0.411      )
(     25    =     -0.309      )
(     26    =     -0.208      )
(     27    =     -0.107      )
(     28    =     -0.003      )
(     29    =     0.102 )
(     30    =     0.211 )
(     31    =     0.323 )
(     32    =     0.441 )
(     33    =     0.564 )
(     34    =     0.696 )
(     35    =     0.836 )
(     36    =     0.987 )
(     37    =     1.151 )
(     38    =     1.333 )
(     39    =     1.535 )
(     40    =     1.765 )
(     41    =     2.033 )
(     42    =     2.355 )
(     43    =     2.767 )
(     44    =     3.355 )
(     45    =     4.533 )     .
END IF .
EXECUTE .
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```
COUNT
  INDmiss = KY10IN01 KY10IN02 KY10IN03 KY10IN04 KY10IN05 KY10IN06 KY10IN07
KY10IN08 KY10IN09 KY10IN10 (MISSING)  .
EXECUTE .
RECODE
  INDmiss (0=0)  (1=1)  (2 thru Highest=SYSMIS)  .
EXECUTE .

IF (INDmiss=1) KC10IN_T  = (((KC10in_R - 1.2078)  / 1.03377) * 10 + 50) .
EXECUTE .


SORT CASES BY INDmiss .
SPLIT FILE
  LAYERED BY INDmiss .
FREQUENCIES
  VARIABLES=KC10IN_R  KC10IN_T
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS
SEKURT
  /BARCHART  FREQ
  /ORDER=  ANALYSIS .
```