

```

*****
*****
*   scoring algorithm for the KIDSCREEN-27 self report version with 1 Missing   *
*****
*****
*   copyright and intellectual property: The European KIDSCREEN group           *
*****
*   1) uses transformed KIDSCREEN item-scores (transformed e.g. by a priori   *
*   application of the syntax "transform_KIDSCREEN-27_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                                                  *
*****

```

```

RECODE
  KY27PHY1
  (5=3) (1 thru 2=1) (3 thru 4=2) (ELSE=Copy) INTO KY27PHYc .
VARIABLE LABELS KY27PHYc 'gh_y01 coll 1 + 2 & 3 + 4 & 5'.
EXECUTE .
MISSING VALUES KY27PHYc (0 + 6 thru 99999) .
EXECUTE .

```

```

IF (MISSING(KY27PHYc)) KC27ph_R = KY27PHY2 + KY27PHY3 + KY27PHY4 + KY27PHY5 .
EXECUTE .

```

```

DO IF (MISSING(KY27PHYc)) .
RECODE KC27ph_R
( 4 = -3.986 )
( 5 = -2.752 )
( 6 = -2.145 )
( 7 = -1.722 )
( 8 = -1.377 )
( 9 = -1.07 )
( 10 = -0.778 )
( 11 = -0.487 )
( 12 = -0.187 )
( 13 = 0.128 )
( 14 = 0.463 )
( 15 = 0.824 )
( 16 = 1.221 )
( 17 = 1.671 )
( 18 = 2.21 )
( 19 = 2.926 )
( 20 = 4.232 ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27PHY2)) KC27ph_R = KY27PHYc + KY27PHY3 + KY27PHY4 + KY27PHY5 .
EXECUTE .

```

```

DO IF (MISSING(KY27PHY2)) .
RECODE KC27ph_R
( 4 = -4.128 )

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```

( 5 = -2.794 )
( 6 = -2.081 )
( 7 = -1.581 )
( 8 = -1.178 )
( 9 = -0.815 )
( 10 = -0.46 )
( 11 = -0.096 )
( 12 = 0.289 )
( 13 = 0.703 )
( 14 = 1.157 )
( 15 = 1.671 )
( 16 = 2.281 )
( 17 = 3.068 )
( 18 = 4.426 ) .

```

```

END IF .
EXECUTE .

```

```

IF (MISSING(KY27PHY3)) KC27ph_R = KY27PHYc + KY27PHY2 + KY27PHY4 + KY27PHY5 .
EXECUTE .

```

```

DO IF (MISSING(KY27PHY3)) .
RECODE KC27ph_R
( 4 = -4.195 )
( 5 = -2.916 )
( 6 = -2.254 )
( 7 = -1.783 )
( 8 = -1.396 )
( 9 = -1.044 )
( 10 = -0.694 )
( 11 = -0.319 )
( 12 = 0.101 )
( 13 = 0.575 )
( 14 = 1.102 )
( 15 = 1.681 )
( 16 = 2.331 )
( 17 = 3.128 )
( 18 = 4.478 ) .

```

```

END IF .
EXECUTE .

```

```

IF (MISSING(KY27PHY4)) KC27ph_R = KY27PHYc + KY27PHY2 + KY27PHY3 + KY27PHY5 .
EXECUTE .

```

```

DO IF (MISSING(KY27PHY4)) .
RECODE KC27ph_R
( 4 = -4.209 )
( 5 = -2.919 )
( 6 = -2.23 )
( 7 = -1.72 )
( 8 = -1.286 )
( 9 = -0.884 )
( 10 = -0.491 )
( 11 = -0.094 )
( 12 = 0.318 )
( 13 = 0.756 )
( 14 = 1.235 )
( 15 = 1.77 )
( 16 = 2.387 )
( 17 = 3.162 )
( 18 = 4.5 ) .

```

```

END IF .
EXECUTE .

```

```
IF (MISSING(KY27PHY5)) KC27ph_R = KY27PHYc + KY27PHY2 + KY27PHY3 + KY27PHY4 .  
EXECUTE .
```

```
DO IF (MISSING(KY27PHY5)) .  
RECODE KC27ph_R  
( 4 = -3.779 )  
( 5 = -2.564 )  
( 6 = -1.967 )  
( 7 = -1.54 )  
( 8 = -1.182 )  
( 9 = -0.849 )  
( 10 = -0.518 )  
( 11 = -0.171 )  
( 12 = 0.2 )  
( 13 = 0.604 )  
( 14 = 1.047 )  
( 15 = 1.545 )  
( 16 = 2.134 )  
( 17 = 2.903 )  
( 18 = 4.261 ) .  
END IF .  
EXECUTE .
```

```
COUNT  
PHYmiss = KY27PHYc KY27PHY2 KY27PHY3 KY27PHY4 KY27PHY5 (MISSING) .  
EXECUTE .  
RECODE  
PHYmiss (0=0) (1=1) (2 thru Highest=SYSMIS) .  
EXECUTE .
```

```
IF (PHYmiss=1) KC27ph_T = (((KC27ph_R - 1.2203) / 1.45408) * 10 + 50) .  
EXECUTE .
```

```
SORT CASES BY PHYmiss .  
SPLIT FILE  
LAYERED BY PHYmiss .  
FREQUENCIES  
VARIABLES=KC27ph_R KC27ph_T  
/STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS  
SEKURT  
/BARCHART FREQ  
/ORDER= ANALYSIS .
```

```
IF (MISSING(KY27PWB1)) KC27pw_R = KY27PWB2 + KY27PWB3 + KY27PWB4 + KY27PWB5 +  
KY27PWB6 + KY27PWB7 .  
EXECUTE .
```

```
DO IF (MISSING(KY27PWB1)) .  
RECODE KC27pw_R  
( 6 = -4.399 )  
( 7 = -3.201 )  
( 8 = -2.597 )
```

```

( 9 = -2.171 )
( 10 = -1.835 )
( 11 = -1.552 )

( 12 = -1.303 )
( 13 = -1.079 )
( 14 = -0.871 )
( 15 = -0.675 )
( 16 = -0.486 )
( 17 = -0.3 )
( 18 = -0.114 )
( 19 = 0.075 )
( 20 = 0.271 )
( 21 = 0.478 )
( 22 = 0.7 )
( 23 = 0.943 )
( 24 = 1.214 )
( 25 = 1.521 )
( 26 = 1.876 )
( 27 = 2.295 )
( 28 = 2.808 )
( 29 = 3.499 )
( 30 = 4.774 ) .

```

```

END IF .
EXECUTE .

```

```

IF (MISSING(KY27PWB2)) KC27pw_R = KY27PWB1 + KY27PWB3 + KY27PWB4 + KY27PWB5 +
KY27PWB6 + KY27PWB7 .
EXECUTE .

```

```

DO IF (MISSING(KY27PWB2)) .
RECODE KC27pw_R
( 6 = -4.154 )
( 7 = -2.99 )
( 8 = -2.418 )
( 9 = -2.024 )
( 10 = -1.715 )
( 11 = -1.457 )
( 12 = -1.23 )
( 13 = -1.024 )
( 14 = -0.832 )
( 15 = -0.649 )
( 16 = -0.472 )
( 17 = -0.296 )
( 18 = -0.119 )
( 19 = 0.061 )
( 20 = 0.249 )
( 21 = 0.447 )
( 22 = 0.659 )
( 23 = 0.891 )
( 24 = 1.147 )
( 25 = 1.435 )
( 26 = 1.766 )
( 27 = 2.156 )
( 28 = 2.635 )
( 29 = 3.291 )
( 30 = 4.532 ) .

```

```

END IF .
EXECUTE .

```

```
IF (MISSING(KY27PWB3)) KC27pw_R = KY27PWB1 + KY27PWB2 + KY27PWB4 + KY27PWB5 +
KY27PWB6 + KY27PWB7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PWB3)) .
RECODE KC27pw_R
( 6 = -4.272 )
( 7 = -3.08 )
( 8 = -2.489 )
( 9 = -2.08 )
( 10 = -1.76 )
( 11 = -1.494 )
( 12 = -1.261 )
( 13 = -1.049 )
( 14 = -0.853 )
( 15 = -0.666 )
( 16 = -0.484 )
( 17 = -0.304 )
( 18 = -0.123 )
( 19 = 0.063 )
( 20 = 0.256 )
( 21 = 0.461 )
( 22 = 0.681 )
( 23 = 0.922 )
( 24 = 1.19 )
( 25 = 1.494 )
( 26 = 1.844 )
( 27 = 2.259 )
( 28 = 2.769 )
( 29 = 3.46 )
( 30 = 4.739 ) .
END IF .
EXECUTE .
```

```
IF (MISSING(KY27PWB4)) KC27pw_R = KY27PWB1 + KY27PWB2 + KY27PWB3 + KY27PWB5 +
KY27PWB6 + KY27PWB7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PWB4)) .
RECODE KC27pw_R
( 6 = -4.293 )
( 7 = -3.092 )
( 8 = -2.492 )
( 9 = -2.075 )
( 10 = -1.751 )
( 11 = -1.48 )
( 12 = -1.244 )
( 13 = -1.031 )
( 14 = -0.833 )
( 15 = -0.645 )
( 16 = -0.463 )
( 17 = -0.283 )
( 18 = -0.102 )
( 19 = 0.082 )
( 20 = 0.274 )
( 21 = 0.476 )
( 22 = 0.692 )

( 23 = 0.927 )
( 24 = 1.188 )
( 25 = 1.483 )
( 26 = 1.821 )
```

```
(      27      =      2.221 )
(      28      =      2.717 )
(      29      =      3.396 )
(      30      =      4.67  ) .
END IF .
EXECUTE .
```

```
IF (MISSING(KY27PWB5)) KC27pw_R = KY27PWB1 + KY27PWB2 + KY27PWB3 + KY27PWB4 +
KY27PWB6 + KY27PWB7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PWB5)) .
RECODE KC27pw_R
(      6      =     -4.346      )
(      7      =     -3.143      )
(      8      =     -2.536      )
(      9      =     -2.111      )
(     10      =     -1.777      )
(     11      =     -1.498      )
(     12      =     -1.253      )
(     13      =     -1.031      )
(     14      =     -0.826      )
(     15      =     -0.63  )
(     16      =     -0.44  )
(     17      =     -0.252      )
(     18      =     -0.063      )
(     19      =      0.13  )
(     20      =      0.332      )
(     21      =      0.547      )
(     22      =      0.777      )
(     23      =      1.03  )
(     24      =      1.311      )
(     25      =      1.626      )
(     26      =      1.984      )
(     27      =      2.4  )
(     28      =      2.903      )
(     29      =      3.579      )
(     30      =      4.838      ) .
END IF .
EXECUTE .
```

```
IF (MISSING(KY27PWB6)) KC27pw_R = KY27PWB1 + KY27PWB2 + KY27PWB3 + KY27PWB4 +
KY27PWB5 + KY27PWB7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PWB6)) .
RECODE KC27pw_R
(      6      =     -4.4  )
(      7      =     -3.206      )
(      8      =     -2.606      )
(      9      =     -2.187      )
(     10      =     -1.856      )
(     11      =     -1.577      )
(     12      =     -1.332      )
(     13      =     -1.109      )
(     14      =     -0.899      )
(     15      =     -0.699      )
(     16      =     -0.503      )
(     17      =     -0.307      )
(     18      =     -0.11  )
(     19      =      0.094      )
```

```

( 20 = 0.306 )
( 21 = 0.529 )
( 22 = 0.769 )
( 23 = 1.03 )
( 24 = 1.316 )
( 25 = 1.635 )
( 26 = 1.995 )
( 27 = 2.41 )
( 28 = 2.912 )
( 29 = 3.586 )
( 30 = 4.844 ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27PWB7)) KC27pw_R = KY27PWB1 + KY27PWB2 + KY27PWB3 + KY27PWB4 +
KY27PWB5 + KY27PWB6 .
EXECUTE .

```

```

DO IF (MISSING(KY27PWB7)) .
RECODE KC27pw_R
( 6 = -4.367 )
( 7 = -3.172 )
( 8 = -2.573 )
( 9 = -2.157 )
( 10 = -1.831 )
( 11 = -1.559 )
( 12 = -1.321 )
( 13 = -1.107 )
( 14 = -0.907 )
( 15 = -0.718 )
( 16 = -0.535 )
( 17 = -0.354 )
( 18 = -0.173 )
( 19 = 0.013 )
( 20 = 0.206 )
( 21 = 0.411 )
( 22 = 0.633 )
( 23 = 0.876 )
( 24 = 1.149 )
( 25 = 1.459 )
( 26 = 1.818 )
( 27 = 2.243 )
( 28 = 2.763 )
( 29 = 3.462 )
( 30 = 4.745 ) .
END IF .
EXECUTE .

```

```

COUNT
PWmiss = KY27PWB1 KY27PWB2 KY27PWB3 KY27PWB4 KY27PWB5 KY27PWB6 KY27PWB7
(MISSING) .
EXECUTE .
RECODE
PWmiss (0=0) (1=1) (2 thru Highest=SYSMIS) .
EXECUTE .

```

```

IF (PWmiss=1) KC27pw_T = (((KC27pw_R - 1.6950) / 1.35642) * 10 + 50) .
EXECUTE .

```

```

SORT CASES BY PWmiss .

```

```

SPLIT FILE
  LAYERED BY PWmiss .
FREQUENCIES
  VARIABLES=KC27pw_R KC27pw_T
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS
SEKURT
  /BARCHART  FREQ
  /ORDER=  ANALYSIS .

```

```

IF (MISSING(KY27PAR1)) KC27pa_R = KY27PAR2 + KY27PAR3 + KY27PAR4 + KY27PAR5 +
KY27PAR6 + KY27PAR7 .
EXECUTE .

```

```

DO IF (MISSING(KY27PAR1)) .
RECODE KC27pa_R
( 6 = -3.852 )
( 7 = -2.677 )
( 8 = -2.097 )
( 9 = -1.697 )
( 10 = -1.387 )
( 11 = -1.131 )
( 12 = -0.911 )
( 13 = -0.717 )
( 14 = -0.542 )
( 15 = -0.38 )
( 16 = -0.228 )
( 17 = -0.083 )
( 18 = 0.058 )
( 19 = 0.197 )
( 20 = 0.336 )
( 21 = 0.478 )
( 22 = 0.625 )
( 23 = 0.781 )
( 24 = 0.951 )
( 25 = 1.141 )
( 26 = 1.362 )
( 27 = 1.632 )
( 28 = 1.987 )
( 29 = 2.521 )
( 30 = 3.651 ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27PAR2)) KC27pa_R = KY27PAR1 + KY27PAR3 + KY27PAR4 + KY27PAR5 +
KY27PAR6 + KY27PAR7 .
EXECUTE .

```

```

DO IF (MISSING(KY27PAR2)) .
RECODE KC27pa_R
( 6 = -3.89 )
( 7 = -2.697 )
( 8 = -2.099 )
( 9 = -1.683 )
( 10 = -1.361 )
( 11 = -1.096 )
( 12 = -0.871 )
( 13 = -0.673 )
( 14 = -0.496 )

```

```
( 15 = -0.332 )
( 16 = -0.18 )
( 17 = -0.034 )
( 18 = 0.107 )
( 19 = 0.247 )
( 20 = 0.387 )
( 21 = 0.53 )
```

```
( 22 = 0.679 )
( 23 = 0.837 )
( 24 = 1.01 )
( 25 = 1.204 )
( 26 = 1.429 )
( 27 = 1.706 )
( 28 = 2.069 )
( 29 = 2.611 )
( 30 = 3.75 ) .
```

```
END IF .
EXECUTE .
```

```
IF (MISSING(KY27PAR3)) KC27pa_R = KY27PAR1 + KY27PAR2 + KY27PAR4 + KY27PAR5 +
KY27PAR6 + KY27PAR7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PAR3)) .
RECODE KC27pa_R
```

```
( 6 = -3.907 )
( 7 = -2.724 )
( 8 = -2.134 )
( 9 = -1.724 )
( 10 = -1.404 )
( 11 = -1.14 )
( 12 = -0.913 )
( 13 = -0.712 )
( 14 = -0.53 )
( 15 = -0.362 )
( 16 = -0.204 )
( 17 = -0.054 )
( 18 = 0.091 )
( 19 = 0.235 )
( 20 = 0.379 )
( 21 = 0.525 )
( 22 = 0.677 )
( 23 = 0.839 )
( 24 = 1.015 )
( 25 = 1.212 )
( 26 = 1.441 )
( 27 = 1.72 )
( 28 = 2.086 )
( 29 = 2.63 )
( 30 = 3.77 ) .
```

```
END IF .
EXECUTE .
```

```
IF (MISSING(KY27PAR4)) KC27pa_R = KY27PAR1 + KY27PAR2 + KY27PAR3 + KY27PAR5 +
KY27PAR6 + KY27PAR7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PAR4)) .
RECODE KC27pa_R
```

```

(      6      =      -3.831      )
(      7      =      -2.665      )
(      8      =      -2.091      )
(      9      =      -1.696      )
(     10      =      -1.39 )
(     11      =      -1.137      )
(     12      =      -0.92 )
(     13      =      -0.727      )
(     14      =      -0.553      )
(     15      =      -0.392      )
(     16      =      -0.241      )
(     17      =      -0.096      )
(     18      =      0.045 )
(     19      =      0.183 )
(     20      =      0.322 )
(     21      =      0.463 )
(     22      =      0.61 )
(     23      =      0.766 )
(     24      =      0.935 )
(     25      =      1.124 )
(     26      =      1.344 )
(     27      =      1.613 )
(     28      =      1.966 )
(     29      =      2.496 )
(     30      =      3.621 )      .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27PAR5)) KC27pa_R = KY27PAR1 + KY27PAR2 + KY27PAR3 + KY27PAR4 +
KY27PAR6 + KY27PAR7 .
EXECUTE .

```

```

DO IF (MISSING(KY27PAR5)) .
RECODE KC27pa_R
(      6      =      -3.865      )
(      7      =      -2.692      )
(      8      =      -2.113      )
(      9      =      -1.713      )
(     10      =      -1.403      )
(     11      =      -1.147      )
(     12      =      -0.928      )
(     13      =      -0.733      )
(     14      =      -0.557      )
(     15      =      -0.395      )
(     16      =      -0.242      )
(     17      =      -0.096      )
(     18      =      0.045 )
(     19      =      0.184 )
(     20      =      0.324 )
(     21      =      0.466 )
(     22      =      0.613 )
(     23      =      0.769 )
(     24      =      0.939 )
(     25      =      1.128 )
(     26      =      1.348 )
(     27      =      1.615 )
(     28      =      1.967 )
(     29      =      2.495 )
(     30      =      3.616 )      .
END IF .
EXECUTE .

```

```
IF (MISSING(KY27PAR6)) KC27pa_R = KY27PAR1 + KY27PAR2 + KY27PAR3 + KY27PAR4 +
KY27PAR5 + KY27PAR7 .
EXECUTE .
```

```
DO IF (MISSING(KY27PAR6)) .
```

```
RECODE KC27pa_R
```

```
( 6 = -3.984 )
( 7 = -2.807 )
( 8 = -2.221 )
( 9 = -1.815 )
( 10 = -1.497 )
( 11 = -1.233 )
( 12 = -1.006 )
( 13 = -0.805 )
( 14 = -0.622 )
( 15 = -0.454 )
( 16 = -0.295 )
( 17 = -0.144 )
( 18 = 0.003 )
( 19 = 0.148 )
( 20 = 0.293 )
( 21 = 0.442 )
( 22 = 0.596 )
( 23 = 0.76 )
( 24 = 0.938 )
( 25 = 1.138 )
( 26 = 1.371 )
( 27 = 1.654 )
( 28 = 2.025 )
( 29 = 2.576 )
( 30 = 3.722 ) .
```

```
END IF .
```

```
EXECUTE .
```

```
IF (MISSING(KY27PAR7)) KC27pa_R = KY27PAR1 + KY27PAR2 + KY27PAR3 + KY27PAR4 +
KY27PAR5 + KY27PAR6 .
```

```
EXECUTE .
```

```
DO IF (MISSING(KY27PAR7)) .
```

```
RECODE KC27pa_R
```

```
( 6 = -3.983 )
( 7 = -2.805 )
( 8 = -2.219 )
( 9 = -1.812 )
( 10 = -1.493 )
( 11 = -1.229 )
( 12 = -1 )
( 13 = -0.798 )
( 14 = -0.614 )
( 15 = -0.444 )
( 16 = -0.284 )
( 17 = -0.13 )
( 18 = 0.019 )
( 19 = 0.166 )
( 20 = 0.314 )

( 21 = 0.465 )
( 22 = 0.621 )
( 23 = 0.788 )
( 24 = 0.969 )
( 25 = 1.17 )
```

```

(      26      =      1.404 )
(      27      =      1.689 )
(      28      =      2.06  )
(      29      =      2.609 )
(      30      =      3.754 ) .
END IF .
EXECUTE .

COUNT
  PARmiss = KY27PAR1 KY27PAR2 KY27PAR3 KY27PAR4 KY27PAR5 KY27PAR6 KY27PAR7
(MISSING) .
EXECUTE .
RECODE
  PARmiss (0=0) (1=1) (2 thru Highest=SYSMIS) .
EXECUTE .

IF (PARmiss=1) KC27pa_T = (((KC27pa_R - 1.1982) / 1.08822) * 10 + 50) .
EXECUTE .

SORT CASES BY PARmiss .
SPLIT FILE
  LAYERED BY PARmiss .
FREQUENCIES
  VARIABLES=KC27pa_R KC27pa_T
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS
SEKURT
  /BARCHART  FREQ
  /ORDER=  ANALYSIS .

IF (MISSING(KY27SOC1)) KC27pe_R = KY27SOC2 + KY27SOC3 + KY27SOC4 .
EXECUTE .

DO IF (MISSING(KY27SOC1)) .
RECODE KC27pe_R
(      3      =      -3.711      )
(      4      =      -2.474      )
(      5      =      -1.813      )
(      6      =      -1.312      )
(      7      =      -0.88  )
(      8      =      -0.476      )
(      9      =      -0.079      )
(     10      =      0.327  )
(     11      =      0.757  )
(     12      =      1.227  )
(     13      =      1.77  )
(     14      =      2.475  )
(     15      =      3.754  ) .
END IF .
EXECUTE .

IF (MISSING(KY27SOC2)) KC27pe_R = KY27SOC1 + KY27SOC3 + KY27SOC4 .
EXECUTE .

DO IF (MISSING(KY27SOC2)) .
RECODE KC27pe_R

```

```

( 3 = -3.756 )
( 4 = -2.473 )
( 5 = -1.77 )
( 6 = -1.231 )
( 7 = -0.767 )
( 8 = -0.339 )
( 9 = 0.075 )
( 10 = 0.494 )
( 11 = 0.938 )
( 12 = 1.43 )
( 13 = 2.008 )
( 14 = 2.758 )
( 15 = 4.09 ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27SOC3)) KC27pe_R = KY27SOC1 + KY27SOC2 + KY27SOC4 .
EXECUTE .

```

```

DO IF (MISSING(KY27SOC3)) .
RECODE KC27pe_R
( 3 = -3.826 )
( 4 = -2.557 )
( 5 = -1.869 )
( 6 = -1.348 )
( 7 = -0.904 )
( 8 = -0.496 )
( 9 = -0.1 )
( 10 = 0.303 )
( 11 = 0.736 )
( 12 = 1.222 )
( 13 = 1.804 )
( 14 = 2.574 )
( 15 = 3.941 ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27SOC4)) KC27pe_R = KY27SOC1 + KY27SOC2 + KY27SOC3 .
EXECUTE .

```

```

DO IF (MISSING(KY27SOC4)) .
RECODE KC27pe_R
( 3 = -3.827 )
( 4 = -2.564 )
( 5 = -1.881 )
( 6 = -1.364 )
( 7 = -0.92 )

( 8 = -0.509 )
( 9 = -0.104 )
( 10 = 0.314 )
( 11 = 0.768 )
( 12 = 1.283 )
( 13 = 1.892 )
( 14 = 2.675 )
( 15 = 4.035 ) .
END IF .
EXECUTE .

```

```

COUNT
  PERmiss = KY27SOC1 KY27SOC2 KY27SOC3 KY27SOC4 (MISSING) .
EXECUTE .
RECODE
  PERmiss (0=0) (1=1) (2 thru Highest=SYSMIS) .
EXECUTE .

IF (PERmiss=1) KC27pe_T = (((KC27pe_R - 1.7749) / 1.50386) * 10 + 50) .
EXECUTE .

SORT CASES BY PERmiss .
SPLIT FILE
  LAYERED BY PERmiss .
FREQUENCIES
  VARIABLES=KC27pe_R KC27pe_T

  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS
SEKURT
  /BARCHART FREQ
  /ORDER= ANALYSIS .

```

```

IF (MISSING(KY27SCH1)) KC27sc_R = KY27SCH2 + KY27SCH3 + KY27SCH4 .
EXECUTE .

```

```

DO IF (MISSING(KY27SCH1)) .
RECODE KC27sc_R
(   3   =   -4.046   )
(   4   =   -2.779   )
(   5   =   -2.118   )
(   6   =   -1.626   )
(   7   =   -1.193   )
(   8   =   -0.768   )
(   9   =   -0.317   )
(  10   =    0.18   )
(  11   =    0.731   )
(  12   =    1.351   )
(  13   =    2.059   )
(  14   =    2.911   )
(  15   =    4.301   ) .
END IF .
EXECUTE .

```

```

IF (MISSING(KY27SCH2)) KC27sc_R = KY27SCH1 + KY27SCH3 + KY27SCH4 .
EXECUTE .

```

```

DO IF (MISSING(KY27SCH2)) .
RECODE KC27sc_R
(   3   =   -3.978   )
(   4   =   -2.664   )
(   5   =   -1.965   )
(   6   =   -1.452   )
(   7   =   -1.018   )
(   8   =   -0.607   )
(   9   =   -0.182   )

```

```
( 10 = 0.287 )
( 11 = 0.82 )
( 12 = 1.429 )
( 13 = 2.131 )
( 14 = 2.982 )
( 15 = 4.373 ) .
```

```
END IF .
EXECUTE .
```

```
IF (MISSING(KY27SCH3)) KC27sc_R = KY27SCH1 + KY27SCH2 + KY27SCH4 .
EXECUTE .
```

```
DO IF (MISSING(KY27SCH3)) .
RECODE KC27sc_R
```

```
( 3 = -3.496 )
( 4 = -2.379 )
( 5 = -1.807 )
( 6 = -1.375 )
( 7 = -0.99 )
( 8 = -0.61 )
( 9 = -0.204 )
( 10 = 0.257 )
( 11 = 0.79 )
( 12 = 1.4 )
( 13 = 2.098 )
( 14 = 2.942 )
( 15 = 4.329 ) .
```

```
END IF .
EXECUTE .
```

```
IF (MISSING(KY27SCH4)) KC27sc_R = KY27SCH1 + KY27SCH2 + KY27SCH3 .
EXECUTE .
```

```
DO IF (MISSING(KY27SCH4)) .
RECODE KC27sc_R
```

```
( 3 = -3.84 )
( 4 = -2.547 )
( 5 = -1.898 )
( 6 = -1.426 )
( 7 = -1.017 )
( 8 = -0.618 )
( 9 = -0.192 )
( 10 = 0.297 )
( 11 = 0.876 )
( 12 = 1.551 )
( 13 = 2.3 )
( 14 = 3.154 )
( 15 = 4.524 ) .
```

```
END IF .
EXECUTE .
```

```
COUNT
```

```
SCHmiss = KY27SCH1 KY27SCH2 KY27SCH3 KY27SCH4 (MISSING) .
EXECUTE .
```

```
RECODE
```

```
SCHmiss (0=0) (1=1) (2 thru Highest=SYSMIS) .
EXECUTE .
```

```
IF (SCHmiss=1) KC27sc_T = (((KC27sc_R - 1.2774) / 1.60553) * 10 + 50) .  
EXECUTE .
```

```
SORT CASES BY SCHmiss.
```

```
SPLIT FILE
```

```
  LAYERED BY SCHmiss.
```

```
FREQUENCIES
```

```
  VARIABLES=KC27sc_R KC27sc_T
```

```
  /STATISTICS=STDDEV MINIMUM MAXIMUM MEAN MEDIAN MODE SKEWNESS SESKEW KURTOSIS  
SEKURT
```

```
  /BARCHART  FREQ
```

```
  /ORDER=  ANALYSIS .
```