LOGBOOK ANALYSIS SIRRY

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2. SPSS DATA

The SPSS data file was composed out of three measurement files, T1, T2 and T3 (merged file). The data was screened for outliers and with each diversity the questionnaire was pulled out for matching of entry and data. In case the data (questionnaire entry) was unclear, it was removed from the data file. Any mistakes were corrected in the file and outliers left in.

3. COMPUTATION OF SCALES FOR OUTCOMES

All scales were computed according to author guidelines:

IMPACT OF EVENT SCALE (IES-R) was computed by finding the sum of items and the subscales were computed by calculating the mean (total score div. by number of items (at least 7 for avoidance and intrusion, 5 for hyper arousal). The Cut off score for clinical level of symptoms was set at 33 as supported by the literature:[2]

```
COMPUTE
IES_SUM=SUM(IES_1,IES_2,IES_3,IES_4,IES_5,IES_6,IES_7,IES_8,IES_9,IES_10,IES_11,IES_12,I
ES_13,IES_14,IES_15,IES_16,IES_17,IES_18,IES_19,IES_20,IES_21,IES_22).
EXECUTE.

FREQUENCIES VARIABLES=IES_SUM
  /STATISTICS=STDDEV MEAN
  /ORDER=ANALYSIS.

COMPUTE
IES_SUM_II=SUM(IES_1_II,IES_2_II,IES_3_II,IES_4_II,IES_5_II,IES_6_II,IES_7_II,IES_8_II,IES_9_
II,IES_10_II,IES_11_II,IES_12_II,IES_13_II,IES_14_II,IES_15_II,IES_16_II,IES_17_II,IES_18_II,IES
_19_II,IES_20_II,IES_21_II,IES_22_II).
EXECUTE.

FREQUENCIES VARIABLES=IES_SUM_II
  /STATISTICS=STDDEV MEAN
  /ORDER=ANALYSIS.

COMPUTE
IES_SUM_III=SUM(IES_1_III,IES_2_III,IES_3_III,IES_4_III,IES_5_III,IES_6_III,IES_7_III,IES_8_III,I
ES_9_III,IES_10_III,IES_11_III,IES_12_III,IES_13_III,IES_14_III,IES_15_III,IES_16_III,IES_17_III,I
ES_18_III,IES_19_III,IES_20_III,IES_21_III,IES_22_III).
EXECUTE.
```

[2] Creamer M, Bell R, Failla S. Psychometric properties of the Impact of Event Scale – Revised. Behav Res Ther 2003 ; 41: 1489 –96.

```
FREQUENCIES VARIABLES=IES_SUM_III
  /STATISTICS=STDDEV MEAN
  /ORDER=ANALYSIS.


*PTSD MEASURE-SCALES.

compute avoidance=mean.7(IES_5, IES_7, IES_8, IES_11, IES_12, IES_13, IES_17, IES_22).
compute hyperarousal=mean.5(IES_4, IES_10, IES_15, IES_18, IES_19 , IES_21).
compute intrusion=mean.7(IES_1, IES_2, IES_3, IES_6, IES_9, IES_14, IES_16, IES_20).
missing values avoidance hyperarousal intrusion (9).
execute.

*PTSD_II MEASURE-SCALES.

compute avoidance_II=mean.7(IES_5_II, IES_7_II, IES_8_II, IES_11_II, IES_12_II, IES_13_II,
IES_17_II, IES_22_II).
compute hyperarousal_II=mean.5(IES_4_II, IES_10_II, IES_15_II, IES_18_II, IES_19_II,
IES_21_II).
compute intrusion_II=mean.7(IES_1_II, IES_2_II, IES_3_II, IES_6_II, IES_9_II, IES_14_II,
IES_16_II, IES_20_II).
missing values avoidance_II hyperarousal_II intrusion_II (9).
execute.

*PTSD_III MEASURE-SCALES.

compute avoidance_III=mean.7(IES_5_III, IES_7_III, IES_8_III, IES_11_III, IES_12_III,
IES_13_III, IES_17_III, IES_22_III).
compute hyperarousal_III=mean.5(IES_4_III, IES_10_III, IES_15_III, IES_18_III, IES_19_III,
IES_21_III).
compute intrusion_III=mean.7(IES_1_II, IES_2_III, IES_3_III, IES_6_III, IES_9_III, IES_14_III,
IES_16_III, IES_20_III).
missing values avoidance_III hyperarousal_III intrusion_III (9).
execute.


*CUT OFF PTSD

RECODE IES_SUM (Lowest thru 33=1) (34 thru Highest=2) INTO IES_SUM_cut.
EXECUTE.

RECODE IES_SUM_II (Lowest thru 33=1) (34 thru Highest=2) INTO IES_SUM_II_cut.
EXECUTE.

RECODE IES_SUM_III (Lowest thru 33=1) (34 thru Highest=2) INTO IES_SUM_III_cut.
EXECUTE.
```

HOSPITAL ANXIETY AND DEPRESSION SCALE (HADS) was computed by first recoding the values from 1-4 (as we had used in the tool) to 0-3. Then the items the needed to be reversed were recoded or Q (1,3,5,6,8,9,10,11,13). Last the subscales were calculate by sum of items (at least 5). Last a form of cut off was suggested based on recommendations from the scale authors:[3]

```
*The original HADS has 0-3 but we had put 1-4 and therefore we recode.

RECODE hads1 to hads14(1=0) (2=1) (3=2) (4=3) INTO hadsco1 to hadsco14.

*Then items needing to be reversed were reversed.

RECODE   hadsco1   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco1.
RECODE   hadsco3   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco3.
RECODE   hadsco5   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco5.
RECODE   hadsco6   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco6.
RECODE   hadsco8   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco8.
RECODE   hadsco9   (0=3)  (1=2)  (2=1)  (3=0)   (9=9)  INTO  rhadsco9.
RECODE   hadsco10  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco10.
RECODE   hadsco11  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco11.
RECODE   hadsco13   (0=3)  (1=2)  (2=1)  (3=0)   (9=9)  INTO  rhadsco13.
missing values rhadsco1 rhadsco5 rhadsco6 rhadsco8 rhadsco9 rhadsco10 rhadsco11
rhadsco13 (99).
execute.

compute anxiety=sum.5(rhadsco1,rhadsco3, rhadsco5, hadsco7, rhadsco9, rhadsco11,
rhadsco13).
compute depres=sum.5(hadsco2,hadsco4, rhadsco6, rhadsco8, rhadsco10, hadsco12,
hadsco14).
missing values depres anxiety (99).
execute.


*ANXIETY/DEPRESSION MEASURE_II.
*The original hads has 0-3 but we had put 1-4 and therefore we recode. In this version of
SPSS it was no longer possible to make one command, thus every item is recoded separately.

RECODE hads1_II (1=0) (2=1) (3=2) (4=3) INTO hadsco1_II.
RECODE hads2_II (1=0) (2=1) (3=2) (4=3) INTO hadsco2_II.
RECODE hads3_II (1=0) (2=1) (3=2) (4=3) INTO hadsco3_II.
RECODE hads4_II (1=0) (2=1) (3=2) (4=3) INTO hadsco4_II.
RECODE hads5_II (1=0) (2=1) (3=2) (4=3) INTO hadsco5_II.
RECODE hads6_II (1=0) (2=1) (3=2) (4=3) INTO hadsco6_II.
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[3] Zigmond AS, Snaith RP. The hospital anxiety and depression scale. Acta Psychiatr Scand. 1983;67:361-70.

```
RECODE hads7_II (1=0) (2=1) (3=2) (4=3) INTO hadsco7_II.
RECODE hads8_II (1=0) (2=1) (3=2) (4=3) INTO hadsco8_II.
RECODE hads9_II (1=0) (2=1) (3=2) (4=3) INTO hadsco9_II.
RECODE hads10_II (1=0) (2=1) (3=2) (4=3) INTO hadsco10_II.
RECODE hads11_II (1=0) (2=1) (3=2) (4=3) INTO hadsco11_II.
RECODE hads12_II (1=0) (2=1) (3=2) (4=3) INTO hadsco12_II.
RECODE hads13_II (1=0) (2=1) (3=2) (4=3) INTO hadsco13_II.
RECODE hads14_II (1=0) (2=1) (3=2) (4=3) INTO hadsco14_II.


RECODE  hadsco1_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco1_II.
RECODE  hadsco3_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco3_II.
RECODE  hadsco5_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco5_II.
RECODE  hadsco6_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco6_II.
RECODE  hadsco8_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco8_II.
RECODE  hadsco9_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco9_II.
RECODE  hadsco10_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco10_II.
RECODE  hadsco11_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco11_II.
RECODE  hadsco13_II  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco13_II.
missing values rhadsco1_II rhadsco5_II rhadsco6_II rhadsco8_II rhadsco9_II rhadsco10_II
rhadsco11_II rhadsco13_II (99).
execute.

compute anxiety_II=sum.5(rhadsco1_II,rhadsco3_II, rhadsco5_II, hadsco7_II, rhadsco9_II,
rhadsco11_II, rhadsco13_II).
compute depres_II=sum.5(hadsco2_II,hadsco4_II, rhadsco6_II, rhadsco8_II, rhadsco10_II,
hadsco12_II, hadsco14_II).
missing values depres_II anxiety_II (99).
execute.



*ANXIETY/DEPRESSION MEASURE_III.
*The original hads has 0-3 but we had put 1-4 and therefore we recode.
RECODE hads1_III (1=0) (2=1) (3=2) (4=3) INTO hadsco1_III.
RECODE hads2_III (1=0) (2=1) (3=2) (4=3) INTO hadsco2_III.
RECODE hads3_III (1=0) (2=1) (3=2) (4=3) INTO hadsco3_III.
RECODE hads4_III (1=0) (2=1) (3=2) (4=3) INTO hadsco4_III.
RECODE hads5_III (1=0) (2=1) (3=2) (4=3) INTO hadsco5_III.
RECODE hads6_III (1=0) (2=1) (3=2) (4=3) INTO hadsco6_III.
RECODE hads7_III (1=0) (2=1) (3=2) (4=3) INTO hadsco7_III.
RECODE hads8_III (1=0) (2=1) (3=2) (4=3) INTO hadsco8_III.
RECODE hads9_III (1=0) (2=1) (3=2) (4=3) INTO hadsco9_III.
RECODE hads10_III (1=0) (2=1) (3=2) (4=3) INTO hadsco10_III.
RECODE hads11_III (1=0) (2=1) (3=2) (4=3) INTO hadsco11_III.
RECODE hads12_III (1=0) (2=1) (3=2) (4=3) INTO hadsco12_III.
RECODE hads13_III (1=0) (2=1) (3=2) (4=3) INTO hadsco13_III.
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RECODE hads14_III (1=0) (2=1) (3=2) (4=3) INTO hadsco14_III.

RECODE   hadsco1_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco1_III.
RECODE   hadsco3_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco3_III.
RECODE   hadsco5_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco5_III.
RECODE   hadsco6_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco6_III.
RECODE   hadsco8_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco8_III.
RECODE   hadsco9_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco9_III.
RECODE   hadsco10_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco10_III.
RECODE   hadsco11_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco11_III.
RECODE   hadsco13_III  (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO  rhadsco13_III.
missing values rhadsco1_III rhadsco5_III rhadsco6_III rhadsco8_III rhadsco9_III rhadsco10_III
rhadsco11_III rhadsco13_III (99).
execute.

compute anxiety_III=sum.5(rhadsco1_III,rhadsco3_III, rhadsco5_III, hadsco7_III,
rhadsco9_III, rhadsco11_III, rhadsco13_III).
compute depres_III=sum.5(hadsco2_III,hadsco4_III, rhadsco6_III, rhadsco8_III,
rhadsco10_III, hadsco12_III, hadsco14_III).
missing values depres_III anxiety_III (99).
execute.


*scale authors suggested a score of 8-10 as being mild cases, 11-15 moderate cases and 16
and above severe cases.

RECODE anxiety (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)  INTO
anxiety_cutoff_I .
EXECUTE .

RECODE anxiety_II (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)
INTO  anxiety_cutoff_II .
EXECUTE .

RECODE anxiety_III (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)
INTO  anxiety_cutoff_III .
EXECUTE .

RECODE depres (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)  INTO
depres_cutoff_I .
EXECUTE .

RECODE depres_II (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)  INTO
depres_cutoff_II .
EXECUTE .
```

```
RECODE depres_III (16 thru Highest=4)  (11 thru 15=3)  (8 thru 10=2)  (Lowest thru 7=1)
INTO  depres_cutoff_III . EXECUTE .
```

POST TRAUMATIC GROWTH INVENTORY was computed by calculating the sum of the subscales and adding it up to a total score:

```
*POST-TRAUMATIC GROWTH Tedeschi /Calhoun

compute Relattoothers=sum(PTG_6,PTG_8,PTG_9,PTG_15,PTG_16,PTG_20,PTG_21).
compute Newpossib=sum(PTG_3,PTG_7,PTG_11,PTG_14,PTG_17).
compute Persstrength=sum(PTG_4,PTG_10,PTG_12,PTG_19).
compute Spirchange=sum(PTG_5,PTG_18).
compute Apprlife=sum(PTG_1,PTG_2,PTG_13).
missing values Relattoothers Newpossib Persstrength Spirchange Apprlife (9).
execute.

compute PTGtotal_I=9.
compute PTGtotal_I=sum(Relattoothers,Newpossib,Persstrength,Spirchange,Apprlife).
missing values PTGtotal_I (9).
execute.


*POST-TRAUMATIC GROWTH_II Tedeschi /Calhoun

compute
Relattoothers_II=sum(PTG_6_II,PTG_8_II,PTG_9_II,PTG_15_II,PTG_16_II,PTG_20_II,PTG_21_
II).
compute Newpossib_II=sum(PTG_3_II,PTG_7_II,PTG_11_II,PTG_14_II,PTG_17_II).
compute Persstrength_II=sum(PTG_4_II,PTG_10_II,PTG_12_II,PTG_19_II).
compute Spirchange_II=sum(PTG_5_II,PTG_18_II).
compute Apprlife_II=sum(PTG_1_II,PTG_2_II,PTG_13_II).
missing values Relattoothers_II Newpossib_II Persstrength_II Spirchange_II Apprlife_II (9).
execute.

compute PTGtotal_II=9.
compute
PTGtotal_II=sum(Relattoothers_II,Newpossib_II,Persstrength_II,Spirchange_II,Apprlife_II).
missing values PTGtotal_II (9).
execute.

*POST-TRAUMATIC GROWTH_III Tedeschi /Calhoun

compute
Relattoothers_III=sum(PTG_6_III,PTG_8_III,PTG_9_III,PTG_15_III,PTG_16_III,PTG_20_III,PTG
_21_III).
compute Newpossib_III=sum(PTG_3_III,PTG_7_III,PTG_11_III,PTG_14_III,PTG_17_III).
```

```
compute Persstrength_III=sum(PTG_4_III,PTG_10_III,PTG_12_III,PTG_19_III).
compute Spirchange_III=sum(PTG_5_III,PTG_18_III).
compute Apprlife_III=sum(PTG_1_III,PTG_2_III,PTG_13_III).
missing values Relattoothers_III Newpossib_III Persstrength_III Spirchange_III Apprlife_III (9).
execute.

compute PTGtotal_III=9.
compute
PTGtotal_III=sum(Relattoothers_III,Newpossib_III,Persstrength_III,Spirchange_III,Apprlife_III
).
missing values PTGtotal_III (9).
execute.
```

SUBJECTIVE HEALTH COMPLAINTS INVENTORY (URSIN) was calculate by computing the sum of the subscales and then summing them up to total score. For flu (at least 1), for Musculoskelatal, Pseudoneurology and gastrointestinal (at least 4), and for allergy (at lest 3).

```
*SOMATIC/SUBJECTIVE HEALTH COMPLAINTS

compute Flu=sum.1(SC_1,SC_2).
compute Musculoskeletal=sum.4(SC_3,SC_4,SC_5,SC_6,SC_7,SC_8,SC_9,SC_10).
compute Pseudoneurology=sum.4(SC_11,SC_12,SC_13,SC_14,SC_15,SC_16,SC_17).
compute Gastrointprobl=sum.4(SC_18,SC_19,SC_20,SC_21,SC_22,SC_23,SC_24).
compute Allergy=sum.3(SC_25,SC_26,SC_27,SC_28,SC_29).
missing values Flu Musculoskeletal Pseudoneurology Gastrointprobl Allergy (9).
execute.

compute SHCtotal_I=9.
compute SHCtotal_I=sum(Flu,Musculoskeletal,Pseudoneurology,Gastrointprobl,Allergy).
missing values SHCtotal_I (9).
execute.


*SOMATIC/SUBJECTIVE HEALTH COMPLAINTS Ursin (T2)

compute Flu_II=sum.1(SC_1_II,SC_2_II).
compute
Musculoskeletal_II=sum.4(SC_3_II,SC_4_II,SC_5_II,SC_6_II,SC_7_II,SC_8_II,SC_9_II,SC_10_II).
compute
Pseudoneurology_II=sum.4(SC_11_II,SC_12_II,SC_13_II,SC_14_II,SC_15_II,SC_16_II,SC_17_II)
.
compute
Gastrointprobl_II=sum.4(SC_18_II,SC_19_II,SC_20_II,SC_21_II,SC_22_II,SC_23_II,SC_24_II).
compute Allergy_II=sum.3(SC_25_II,SC_26_II,SC_27_II,SC_28_II,SC_29_II).
missing values Flu_II Musculoskeletal_II Pseudoneurology_II Gastrointprobl_II Allergy_II (9).
```

```
execute.

compute SHCtotal_II=9.
compute
SHCtotal_II=sum(Flu_II,Musculoskeletal_II,Pseudoneurology_II,Gastrointprobl_II,Allergy_II).
missing values SHCtotal_II (9).
execute.


*SOMATIC/SUBJECTIVE HEALTH COMPLAINTS Ursin (T3)

compute Flu_III=sum.1(SC_1_III,SC_2_III).
compute
Musculoskeletal_III=sum.4(SC_3_III,SC_4_III,SC_5_III,SC_6_III,SC_7_III,SC_8_III,SC_9_III,SC_1
0_III).
compute
Pseudoneurology_III=sum.4(SC_11_III,SC_12_III,SC_13_III,SC_14_III,SC_15_III,SC_16_III,SC_1
7_III).
compute
Gastrointprobl_III=sum.4(SC_18_III,SC_19_III,SC_20_III,SC_21_III,SC_22_III,SC_23_III,SC_24_I
II).
compute Allergy_III=sum.3(SC_25_III,SC_26_III,SC_27_III,SC_28_III,SC_29_III).
missing values Flu_III Musculoskeletal_III Pseudoneurology_III Gastrointprobl_III Allergy_III
(9).
execute.

compute SHCtotal_III=9.
compute
SHCtotal_III=sum(Flu_III,Musculoskeletal_III,Pseudoneurology_III,Gastrointprobl_III,Allergy_I
II).
missing values SHCtotal_III (9).
execute.
```

4. COMPUTATIONS OF SCALES FOR MAIN PREDICTORS

All variables were computed according to authors guidelines.

SOCIAL PROVISION SCALE (CUTRONA & RUSSEL) was computed by reversing items Q(2,3,6,9,10,14,15,18,19,21,22,24) and subscales computed by the sum of items.

```
*SOCIAL SUPPORT SOCIAL PROVISION SCALE

RECODE   SS_2   (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_2.
RECODE   SS_3   (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_3.
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```
RECODE  SS_6  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_6.
RECODE  SS_9  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_9.
RECODE  SS_10  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_10.
RECODE  SS_14  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_14.
RECODE  SS_15  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_15.
RECODE  SS_18  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_18.
RECODE  SS_19  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_19.
RECODE  SS_21  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_21.
RECODE  SS_22  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_22.
RECODE  SS_24  (1=4)  (2=3)  (3=2)  (4=1)  (9=9)  INTO rSS_24.
missing values rSS_2 rSS_3 rSS_6 rSS_9 rSS_10 rSS_14 rSS_15 rSS_18 rSS_19 rSS_21 rSS_22
rSS_24  (9).
execute.

compute Attachment=sum(rSS_2,SS_11,SS_17,rSS_21).
compute Socialintegr=sum(SS_5,SS_8,rSS_14,rSS_22).
compute Reassurworth=sum(rSS_6,rSS_9,SS_13,SS_20).
compute ReliableAlliance=sum(SS_1,rSS_10,rSS_18,SS_23).
compute Guidance=sum(rSS_3,SS_12,SS_16,rSS_19).
compute Oppertnurturance=sum(SS_4,SS_7,rSS_15,rSS_24).
missing values Attachment Socialintegr Reassurworth ReliableAlliance Guidance
Oppertnurturance (9).
execute.

compute SStotal_I=9.
compute
SStotal_I=sum(Attachment,Socialintegr,Reassurworth,ReliableAlliance,Guidance,Oppertnurt
urance).
missing values SStotal_I (9).
execute.
```

SOCIAL ACKNOWLEDGEMENT (MAERCKER) was composed by reversing all items from 1-4 to 0-3 as recommended by authors and then recoding items (9 ,11).

*The original SAQ has 0-3 but we had put 1-4 and therefore we recode.

```
RECODE SA_1 (1=0) (2=1) (3=2) (4=3) INTO SAco1_I.
RECODE SA_2 (1=0) (2=1) (3=2) (4=3) INTO SAco2_I.
RECODE SA_3 (1=0) (2=1) (3=2) (4=3) INTO SAco3_I.
RECODE SA_4 (1=0) (2=1) (3=2) (4=3) INTO SAco4_I.
RECODE SA_5 (1=0) (2=1) (3=2) (4=3) INTO SAco5_I.
RECODE SA_6 (1=0) (2=1) (3=2) (4=3) INTO SAco6_I.
RECODE SA_7 (1=0) (2=1) (3=2) (4=3) INTO SAco7_I.
RECODE SA_8 (1=0) (2=1) (3=2) (4=3) INTO SAco8_I.
RECODE SA_9 (1=0) (2=1) (3=2) (4=3) INTO SAco9_I.
RECODE SA_10 (1=0) (2=1) (3=2) (4=3) INTO SAco10_I.
RECODE SA_11 (1=0) (2=1) (3=2) (4=3) INTO SAco11_I.
```

```
RECODE SA_12 (1=0) (2=1) (3=2) (4=3) INTO SAco12_I.
RECODE SA_13 (1=0) (2=1) (3=2) (4=3) INTO SAco13_I.
RECODE SA_14 (1=0) (2=1) (3=2) (4=3) INTO SAco14_I.
RECODE SA_15 (1=0) (2=1) (3=2) (4=3) INTO SAco15_I.
RECODE SA_16 (1=0) (2=1) (3=2) (4=3) INTO SAco16_I.


RECODE   SAco9_I   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO rSA_9.
RECODE   SAco11_I   (0=3)  (1=2)  (2=1)  (3=0) (9=9)  INTO rSA_11.

missing values rSA_9 rSA_11 (9).
execute.

COMPUTE SA_SUM_RECOGNITION=SUM(SAco1_I, SAco2_I, SAco3_I, SAco4_I, SAco7_I).
EXECUTE.

COMPUTE SA_SUM_DISAPPROVAL=SUM(SAco12_I, SAco13_I, SAco14_I, SAco15_I,
SAco16_I).
EXECUTE.

COMPUTE SA_SUM_FAMILYtemp=SUM(SAco6_I, SAco8_I, rSA_9, SAco10_I, rSA_11).
EXECUTE.
COMPUTE SA_SUM_FAMILY=(15-SA_SUM_FAMILYtemp).
EXECUTE.


COMPUTE SA_SUM_I=SUM(SA_SUM_RECOGNITION, SA_SUM_DISAPPROVAL,
SA_SUM_FAMILY).
EXECUTE.


RECODE SA_1_II (1=0) (2=1) (3=2) (4=3) INTO SAco1_II.
RECODE SA_2_II (1=0) (2=1) (3=2) (4=3) INTO SAco2_II.
RECODE SA_3_II (1=0) (2=1) (3=2) (4=3) INTO SAco3_II.
RECODE SA_4_II (1=0) (2=1) (3=2) (4=3) INTO SAco4_II.
RECODE SA_5_II (1=0) (2=1) (3=2) (4=3) INTO SAco5_II.
RECODE SA_6_II (1=0) (2=1) (3=2) (4=3) INTO SAco6_II.
RECODE SA_7_II (1=0) (2=1) (3=2) (4=3) INTO SAco7_II.
RECODE SA_8_II (1=0) (2=1) (3=2) (4=3) INTO SAco8_II.
RECODE SA_9_II (1=0) (2=1) (3=2) (4=3) INTO SAco9_II.
RECODE SA_10_II (1=0) (2=1) (3=2) (4=3) INTO SAco10_II.
RECODE SA_11_II (1=0) (2=1) (3=2) (4=3) INTO SAco11_II.
RECODE SA_12_II (1=0) (2=1) (3=2) (4=3) INTO SAco12_II.
RECODE SA_13_II (1=0) (2=1) (3=2) (4=3) INTO SAco13_II.
RECODE SA_14_II (1=0) (2=1) (3=2) (4=3) INTO SAco14_II.
RECODE SA_15_II (1=0) (2=1) (3=2) (4=3) INTO SAco15_II.
RECODE SA_16_II (1=0) (2=1) (3=2) (4=3) INTO SAco16_II.
```

```
RECODE   SAco9_II   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO rSA_9_II.
RECODE   SAco11_II   (0=3)  (1=2)  (2=1)  (3=0) (9=9)  INTO rSA_11_II.

missing values rSA_9_II rSA_11_II (9).
execute.

COMPUTE SA_SUM_RECOGNITION_II=SUM(SAco1_II, SAco2_II, SAco3_II, SAco4_II,
SAco7_II).
EXECUTE.

COMPUTE SA_SUM_DISAPPROVAL_II=SUM(SAco12_II, SAco13_II, SAco14_II, SAco15_II,
SAco16_II).
EXECUTE.

COMPUTE SA_SUM_FAMILYtemp_II=SUM(SAco6_II, SAco8_II, rSA_9_II, SAco10_II,
rSA_11_II).
EXECUTE.

COMPUTE SA_SUM_FAMILY_II=(15-SA_SUM_FAMILYtemp_II).
EXECUTE.


COMPUTE SA_SUM_II=SUM(SA_SUM_RECOGNITION_II, SA_SUM_DISAPPROVAL_II,
SA_SUM_FAMILY_II).
EXECUTE.


RECODE SA_1_III (1=0) (2=1) (3=2) (4=3) INTO SAco1_III.
RECODE SA_2_III (1=0) (2=1) (3=2) (4=3) INTO SAco2_III.
RECODE SA_3_III (1=0) (2=1) (3=2) (4=3) INTO SAco3_III.
RECODE SA_4_III (1=0) (2=1) (3=2) (4=3) INTO SAco4_III.
RECODE SA_5_III (1=0) (2=1) (3=2) (4=3) INTO SAco5_III.
RECODE SA_6_III (1=0) (2=1) (3=2) (4=3) INTO SAco6_III.
RECODE SA_7_III (1=0) (2=1) (3=2) (4=3) INTO SAco7_III.
RECODE SA_8_III (1=0) (2=1) (3=2) (4=3) INTO SAco8_III.
RECODE SA_9_III (1=0) (2=1) (3=2) (4=3) INTO SAco9_III.
RECODE SA_10_III (1=0) (2=1) (3=2) (4=3) INTO SAco10_III.
RECODE SA_11_III (1=0) (2=1) (3=2) (4=3) INTO SAco11_III.
RECODE SA_12_III (1=0) (2=1) (3=2) (4=3) INTO SAco12_III.
RECODE SA_13_III (1=0) (2=1) (3=2) (4=3) INTO SAco13_III.
RECODE SA_14_III (1=0) (2=1) (3=2) (4=3) INTO SAco14_III.
RECODE SA_15_III (1=0) (2=1) (3=2) (4=3) INTO SAco15_III.
RECODE SA_16_III (1=0) (2=1) (3=2) (4=3) INTO SAco16_III.
```

```
RECODE   SAco9_III   (0=3)  (1=2)  (2=1)  (3=0)  (9=9)  INTO rSA_9_III.
RECODE   SAco11_III   (0=3)  (1=2)  (2=1)  (3=0) (9=9)  INTO rSA_11_III.

missing values rSA_9_III rSA_11_III (9).
execute.

COMPUTE SA_SUM_RECOGNITION_III=SUM(SAco1_III, SAco2_III, SAco3_III, SAco4_III,
SAco7_III).
EXECUTE.

COMPUTE SA_SUM_DISAPPROVAL_III=SUM(SAco12_III, SAco13_III, SAco14_III, SAco15_III,
SAco16_III).
EXECUTE.

COMPUTE SA_SUM_FAMILYtemp_III=SUM(SAco6_III, SAco8_III, rSA_9_III, SAco10_III,
rSA_11_III).
EXECUTE.

COMPUTE SA_SUM_FAMILY_III=(15-SA_SUM_FAMILYtemp_III).
EXECUTE.


COMPUTE SA_SUM_III=SUM(SA_SUM_RECOGNITION_III, SA_SUM_DISAPPROVAL_III,
SA_SUM_FAMILY_III).
EXECUTE.
```

PERITRAUMTIC DISTRESS INVENTORY (BRUNET) was computed by computing the mean of items.

```
*PERITRAUMATIC DISTRESS INVENTORY
compute PDItotal_I=mean(PDI_1,PDI_2, PDI_3, PDI_4, PDI_5, PDI_6, PDI_7, PDI_8, PDI_9,
PDI_10, PDI_11, PDI_12, PDI_13).
missing values PDItotal_I (9).
execute.


*PERITRAUMATIC DISTRESS INVENTORY_II
compute PDItotal_II=mean(PDI_1_II,PDI_2_II, PDI_3_II, PDI_4_II, PDI_5_II, PDI_6_II,
PDI_7_II, PDI_8_II, PDI_9_II, PDI_10_II, PDI_11_II, PDI_12_II, PDI_13_II).
missing values PDItotal_II (9).
execute.


*PERITRAUMATIC DISTRESS INVENTORY_III
compute PDItotal_III=mean(PDI_1_III,PDI_2_III, PDI_3_III, PDI_4_III, PDI_5_III, PDI_6_III,
PDI_7_III, PDI_8_III, PDI_9_III, PDI_10_III, PDI_11_III, PDI_12_III, PDI_13_III).
```

```
missing values PDItotal_III (9).
execute.
```

SELF EFFICACY (SCHWARZER) was computed by calculating the mean for the total scale.

```
*SELF-EFFICACY Schwarzer
compute selfeff_I = mean.7 (SE_1, SE_2, SE_3, SE_4, SE_5, SE_6, SE_7, SE_8, SE_9, SE_10).
missing values selfeff_I (9).
execute.
```

SCL-90-R QUALITY OF SLEEP SUBSCALE (DEROGATIS) was computed by calculating the sum of items.

```
*SLEEP MEASURE (T1)
compute SCL_90_sleep_I=9.
compute SCL_90_sleep_I=sum(SCL1,SCL2,SCL3).
missing values SCL_90_sleep_I (9).
execute.

*SLEEP MEASURE_II (T2)
compute SCL_90_sleep_II=9.
compute SCL_90_sleep_II=sum(SCL1_II,SCL2_II,SCL3_II).
missing values SCL_90_sleep_II (9).
execute.

*SLEEP MEASURE_III (T3)
compute SCL_90_sleep_III=9.
compute SCL_90_sleep_III=sum(SCL1_III,SCL2_III,SCL3_III).
missing values SCL_90_sleep_III (9).
execute.
```

YEARS VOLUNTEERING was computed by entering the year of the disaster and retracting the number of years they said they have volunteered

```
*COMPUTATION OF YEARS VOLUNTEERING
COMPUTE Yearsvoluntcomp=2006 - Yearsvolunteering.
EXECUTE.

*Then a categorization was set up:
compute Yearvolunt_cat=99.
if (Yearsvoluntcomp eq 0) Yearvolunt_cat=1.
if (Yearsvoluntcomp eq 1) Yearvolunt_cat=1.
if (Yearsvoluntcomp ge 2) Yearvolunt_cat=2.
missing values Yearvolunt_cat (99).
```

execute.

AGE was composed by setting the year of data entry minus the year of birth (they entered it as a year e.g. 1970)

```
*COMPUTATION OF YEARS (AGE)
COMPUTE Age_I_comp=2006 - Age_I.
EXECUTE.
```

LIFE EVENT CHECKLIST (WEATHERS) was computed by reversing all items and then calculating a total score by summing up the items.

```
RECODE Life_Event_Chkl_1 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_1_r.
RECODE Life_Event_Chkl_2 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_2_r.
RECODE Life_Event_Chkl_3 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_3_r.
RECODE Life_Event_Chkl_4 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_4_r.
RECODE Life_Event_Chkl_5 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_5_r.
RECODE Life_Event_Chkl_6 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_6_r.
RECODE Life_Event_Chkl_7 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_7_r.
RECODE Life_Event_Chkl_8 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_8_r.
RECODE Life_Event_Chkl_9 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_9_r.
RECODE Life_Event_Chkl_10 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_10_r.
RECODE Life_Event_Chkl_11 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_11_r.
RECODE Life_Event_Chkl_12 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_12_r.
RECODE Life_Event_Chkl_13 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_13_r.
RECODE Life_Event_Chkl_14 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_14_r.
RECODE Life_Event_Chkl_15 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_15_r.
RECODE Life_Event_Chkl_16 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_16_r.
RECODE Life_Event_Chkl_17 (1=1) (2=0) (3=0) (4=0) INTO Life_Event_Chkl_17_r.

COMPUTE
Life_event_sum=SUM(Life_Event_Chkl_1_r,Life_Event_Chkl_2_r,Life_Event_Chkl_3_r,Life_E
vent_Chkl_4_r,Life_Event_Chkl_5_r,Life_Event_Chkl_6_r,Life_Event_Chkl_7_r,Life_Event_Ch
kl_8_r,Life_Event_Chkl_9_r,Life_Event_Chkl_10_r,Life_Event_Chkl_11_r,Life_Event_Chkl_12
_r,Life_Event_Chkl_13_r,Life_Event_Chkl_14_r,Life_Event_Chkl_15_r,Life_Event_Chkl_16_r,
Life_Event_Chkl_17_r).EXECUTE.

missing values Life_event_sum (9).
execute.
compute Low_Core_volunteers=99.
if (Joint eq 3) Low_Core_volunteers=1.
missing values Low_Core_volunteers (99).
execute.
```

TRAUMATIC EXPOSURE SEVERITY SCALE (ELAL & SLADE) was measured only at T3 and composed by reversing all items and subscales were computed with sum of

items; Resource loss (1,3,4,5,9,10), Damage (6,7,8), Personal harm (12, 13,14,17,26) and Concern for others (15, 16, 18, 19, 20, 27).

```
RECODE TESS_1_III (1=2) (2=1) INTO TESSco_1.
RECODE TESS_2_III (1=2) (2=1) INTO TESSco_2.
RECODE TESS_3_III (1=2) (2=1) INTO TESSco_3.
RECODE TESS_4_III (1=2) (2=1) INTO TESSco_4.
RECODE TESS_5_III (1=2) (2=1) INTO TESSco_5.
RECODE TESS_6_III (1=2) (2=1) INTO TESSco_6.
RECODE TESS_7_III (1=2) (2=1) INTO TESSco_7.
RECODE TESS_8_III (1=2) (2=1) INTO TESSco_8.
RECODE TESS_9_III (1=2) (2=1) INTO TESSco_9.
RECODE TESS_10_III (1=2) (2=1) INTO TESSco_10.
RECODE TESS_11_III (1=2) (2=1) INTO TESSco_11.
RECODE TESS_12_III (1=2) (2=1) INTO TESSco_12.
RECODE TESS_13_III (1=2) (2=1) INTO TESSco_13.
RECODE TESS_14_III (1=2) (2=1) INTO TESSco_14.
RECODE TESS_15_III (1=2) (2=1) INTO TESSco_15.
RECODE TESS_16_III (1=2) (2=1) INTO TESSco_16.
RECODE TESS_17_III (1=2) (2=1) INTO TESSco_17.
RECODE TESS_18_III (1=2) (2=1) INTO TESSco_18.
RECODE TESS_19_III (1=2) (2=1) INTO TESSco_19.
RECODE TESS_20_III (1=2) (2=1) INTO TESSco_20.
RECODE TESS_21_III (1=2) (2=1) INTO TESSco_21.
RECODE TESS_22_III (1=2) (2=1) INTO TESSco_22.
RECODE TESS_23_III (1=2) (2=1) INTO TESSco_23.
RECODE TESS_24_III (1=2) (2=1) INTO TESSco_24.
RECODE TESS_25_III (1=2) (2=1) INTO TESSco_25.
RECODE TESS_26_III (1=2) (2=1) INTO TESSco_26.
RECODE TESS_27_III (1=2) (2=1) INTO TESSco_27.
RECODE TESS_28_III (1=2) (2=1) INTO TESSco_28.

COMPUTETESS_SUM_ResourceLoss=SUM(TESSco_1,TESSco_3,TESSco_4,TESSco_5,TESSco_9,
TESSco_10).EXECUTE.

COMPUTE TESS_SUM_Damage=SUM(TESSco_6,TESSco_7,TESSco_8).EXECUTE.

COMPUTETESS_SUM_PersonalHarm=SUM(TESSco_12,TESSco_13,TESSco_14,TESSco_17,TES
Sco_26).
EXECUTE.

COMPUTETESS_SUM_ConcernforOthers=SUM(TESSco_15,TESSco_16,TESSco_18,TESSco_19,
TESSco_20,TESSco_27).
EXECUTE.
```