



Universität Zürich
Pädagogisches Institut

z-proso Zürcher Projekt zur sozialen Entwicklung von Kindern

University of Cambridge
Institute of Criminology



Technical Report

Parent Wave 1

Family Climate

Source/Developer	Peterborough study (P.O. Wikström)
Description	A short assessment of family conflict.
Number of Items	3
Response Categories	5-point Likert scale (from “very much disagree” to “very much agree”)
Item Example	“We are a happy family and like each other a lot.”
Administration History	Wave 1, Wave2, Wave 3, Wave 4

Family Climate Scale

Variable Values

- 5-point Likert scale
- 1- very much disagree
- 2- somewhat disagree
- 3- neither agree nor disagree
- 4- somewhat agree
- 5- very much agree
- 7- Does not apply (*MISSING*)
- 8- Don't know/ Can't remember (*MISSING*)
- 9- No answer/ Answer refused (*MISSING*)

Variable Wording & Case Summary

Variable Name	Label	Wording	Missings (%)
V4110	Family Climate 1	We are a happy family that like each other a lot	5 (0.4%)
V4120	Family Climate 2	We are a very tight family that like to spend time together as much as we can	6 (0.5%)
V4130	Family Climate 3	We have a lot of conflicts in the family and often get angry with each other	8 (0.7%)

Total N = 1235

Descriptive Statistics

Variable Name	Label	Mean	Standard Deviation	Min.	Max.	Skewness	Kurtosis	Item-Scale Correlation	α If Item Removed ($\alpha = .489$)
V4110	Family Climate 1	4.74	.507	1	5	-2.35	7.74	.443	.292
V4120	Family Climate 2	4.65	.631	1	5	-2.07	4.83	.367	.322
V4130_r	Family Climate 3	3.89	1.06	1	5	-.710	-5.19	.249	.677

Comments: The variable V4130 has been reverse-scored and then excluded from the scale due to mis-fit.

Sum Index Descriptive Statistics

Family Climate scale (P1_fclimate)

Group	N	Mean	Standard Deviation	Min.	Max.	Skewness	Kurtosis	ANOVA		
								df	F	p
Full sample	1229	3.70	.498	.000	4.00	-2.22	6.84			
Gender								1	.127	.722
Girls	590	3.70	.468	1.00	4.00	-1.99	5.10			
Boys	639	3.69	.524	.000	4.00	-2.35	7.70			
Treatment								3	.075	.973
Control	324	3.70	.519	.000	4.00	-2.66	10.74			
Triple P	301	3.70	.435	2.00	4.00	-1.54	2.08			
PATHS	340	3.69	.499	1.00	4.00	-2.01	5.22			
Combination	264	3.70	.537	1.00	4.00	-2.32	6.18			
Language								8	10.78	.000
German	804	3.62	.530	1.00	4.00	-1.65	3.24			
Albanian	75	3.96	.243	2.00	4.00	-7.44	58.98			
Bos./Cro./ Serb.	90	3.92	.215	3.00	4.00	-2.64	6.67			
English	24	3.75	.442	2.00	4.00	-2.88	10.53			
Italian	18	3.83	.383	3.00	4.00	-1.96	2.04			
Portuguese	77	3.88	.255	3.00	4.00	-2.15	3.92			
Spanish	51	3.67	.661	.000	4.00	-3.79	18.77			
Tamil	48	3.91	.245	3.00	4.00	-2.69	6.74			
Turkish	42	3.71	.565	1.00	4.00	-3.18	12.72			

Comments:

1) The variable V4130 has been excluded from the scale. The scale has been constructed by taking the average of the two remaining variables. No missing value was allowed. For the purpose of rescaling, 1 has been subtracted from the total scale.

2) The results of the ANOVA are highly significant for the language groups ($F(8,1220) = 10.78, p < .001$). ANOVA yielded no significant results for both the gender groups ($F(1,1227) = .127, p > .05$) and the treatment groups ($F(3,1225) = .075, p > .05$).

Correlations with Subscales & DVs *Family Climate Scale* (P1_fclimate)

Variable	r	Full Sample p ¹	N	r	Girls p ¹	N	r	Boys p ¹	N
Parent SBQ									
<i>Aggression</i>	-.213	***	1225	-.165	***	587	-.249	***	638
<i>Prosociality</i>	.147	***	1210	.174	***	583	.129	**	627
Teacher SBQ									
<i>Aggression</i>	-.034	ns	1187	.032	ns	573	-.070	ns	614
<i>Prosociality</i>	.021	ns	1165	-.018	ns	561	.040	ns	604
Child SBQ									
<i>Aggression</i>	-.066	*	1204	-.023	ns	580	-.098	*	624
<i>Prosociality</i>	-.004	ns	1204	-.047	ns	580	.020	ns	624

¹ *** p<.001, ** p<.01, * p<.05, ns p>.05

Comments: When the informant is the parent, the family climate scale is moderately and significantly correlated with the child aggression/prosociality and the correlations are in the expected direction. The correlations between the family climate scale and the child aggression/prosociality are generally lower and insignificant when the informant is the teacher or the child. Overall, the scale yields low predictive validity.