Conflict Tactics Scales
Kindergarten/Year 1
Fast Track Project Technical Report
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November 15, 2004

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Appendix
SAS program to create derived subscales

Citation
Instrument
      Strassberg, Z., Dodge, K.A., Bates, J.E., & Pettit, G.S. (1992). The longitudinal relation between parental conflict strategies and children's sociometric standing in kindergarten. *Merrill Palmer Quarterly, 38*, 477-493.

      Strassberg, Z., Dodge, K.A., Pettit, G.S., & Bates, J.E. (1994). Spanking in the home and children's subsequent aggression toward kindergarten peers. *Development and Psychopathology, 6*, 445-461.

      Straus, M. (1979). Measuring intrafamily conflict and violence: The Conflict Tactics Scales. *Journal of Marriage and the Family*, *41,* 75-88.

Reports
      Rains, C. (2004). *Conflict Tactics Scales (Fast Track Project Technical Report) [On-line].* Available: http://www.fasttrackproject.org/.

      Ferrell, C. (1995). *Conflict Tactics Scales (Fast Track Project Technical Report). Nashville, TN: Vanderbilt University.*

Data Sources
Raw: P1E

Scored: CFT1

I.   Scale Description

The Conflict Tactics Scales measure consists of 80 items developed by Straus (1979) to explore intrafamily conflict and violence, focusing particularly on the adults in the family. Of these 80 items, 20 are administered to the parent about his/her relationship with the child. The next 20 questions are directed to the parent about the partner and his/her interactions with the child. If there is no partner, these questions are not asked. The last 40 questions of the measure address the interactions between the parent and the parent's partner using the same questions. The measure assesses how the parent reacts in a conflict with the child, such as trying to discuss an issue calmly, yelling at or insulting the child, stomping out of the room or house, threatening to spank the child, and hitting or trying to hit the child. The items gradually become more coercive and aggressive as they progress. The items are rated on a seven-point scale, ranging from 0=never to 6=almost every day. Interviewers were also asked to answer the following question, "Has the parent had a partner in the past year?"

II.   Report Sample

These analyses were conducted on the high-risk (control and intervention) sample (n=310) and the normative sample (n=387, N=618 including overlap) from the first year of administration of the study. Four records were missing the complete measure. Of these, 3 were from the control sample (2 from Durham and 1 from Pennsylvania). One record, from Nashville, was missing from the normative sample. These numbers may reflect some overlap between the two samples.

III.   Scaling

This instrument has four scales: Parent-Child (Scale 1), Partner-Child (Scale 2), Parent-Partner (Scale 3), and Partner-Parent (Scale 4). The parent-child and partner-child conflict scales each have five subscales and the two parent-partner scales have four subscales each. The five subscales (Strassberg, Dodge, Bates, and Pettit, 1992; Strassberg, Dodge, Pettit, and Bates, 1994) are: verbal discussion, verbal aggression, hostile-indirect withdrawal, physical aggression, and spanking. The parent-partner and partner-parent scales do not include the spanking subscale.

Subscale scores were created by taking the mean for each set of variables for a given subscale. Cronbach's alphas for these subscales are reported in the table below:

Variable Name	High Risk	Normative
Verbal Discussion Scale 1	.61	.68
Verbal Aggression Scale 1	.62	.67
Physical Aggression Scale 1	.59	.64
Hostile-Indirect Scale 1	.58	.67
Spanking Scale 1	.76	.80
Verbal Discussion Scale 2	.73	.74
Verbal Aggression Scale 2	.56	.55
Physical Aggression Scale 2	.24	.30
Hostile-Indirect Scale 2	.61	.44
Spanking Scale 2	.72	.77
Verbal Discussion Scale 3	.56	.65
Verbal Aggression Scale 3	.70	.65
Physical Aggression Scale 3	.67	.74
Hostile-Indirect Scale 3	.70	.69
Verbal Discussion Scale 4	.66	.69
Verbal Aggression Scale 4	.65	.66
Physical Aggression Scale 4	.85	.88
Hostile-Indirect Scale 4	.76	.68

The reliability coefficients for most of these subscales for both samples indicated an acceptable reliability. However, there were several subscales that indicated a low reliability. These were: *Hostile-Indirect Scale 1* (high risk samples), *Physical Aggression Scale 2* (both samples), and *Hostile-Indirect Scale 2* (normative sample).

IV.   Differences between Groups

A series of t-tests indicated significant differences between the high risk and normative samples at the .05 level for 14 of the 18 subscales, with the high risk samples scoring higher than the normative sample in each case. One scale, *Verbal Discussion Scale 3* (p = 0.08)*,* approached significance; families from the high risk samples scored higher than did families from the normative sample.

		Normative		High Risk				
Variable	**Label**	**Mean**	**Std Dev**	**Mean**	**Std Dev**	**DF**	**t Value**	**Pr > |t|**
CFT1PA1	**Physical Aggression subscale 1**	0.37	0.59	0.53	0.75	616	2.94	0.0034
CFT1VA1	**Verbal Aggression subscale 1**	1.42	0.93	1.82	0.92	616	5.31	<.0001
CFT1DS1	**Verbal Discussion subscale 1**	3.25	1.23	3.57	1.14	616	3.33	0.0009
CFT1HI1	**Hostile-Indirect subscale 1**	0.38	0.66	0.60	0.84	616	3.71	0.0002
CFT1SP1	**Spanking subscale 1**	1.53	1.29	2.30	1.55	616	6.68	<.0001
CFT1PA2	**Physical Aggression subscale 2**	0.14	0.29	0.26	0.43	376	3.20	0.0015
CFT1VA2	**Verbal Aggression subscale 2**	0.94	0.73	1.23	0.81	376	3.64	0.0003
CFT1DS2	**Verbal Discussion subscale 2**	2.77	1.37	3.00	1.39	376	1.62	0.1053
CFT1HI2	**Hostile-Indirect subscale 2**	0.21	0.42	0.39	0.69	376	3.13	0.0019
CFT1SP2	**Spanking subscale 2**	0.92	1.09	1.20	1.26	377	2.33	0.0201
CFT1PA3	**Physical Aggression subscale 3**	0.14	0.40	0.21	0.42	374	1.66	0.0985
CFT1VA3	**Verbal Aggression subscale 3**	0.81	0.68	1.10	0.87	374	3.67	0.0003
CFT1DS3	**Verbal Discussion subscale 3**	2.74	1.18	2.96	1.12	374	1.78	0.0759
CFT1HI3	**Hostile-Indirect subscale 3**	0.67	0.75	0.89	0.96	374	2.48	0.0137
CFT1PA4	**Physical Aggression subscale 4**	0.09	0.26	0.21	0.57	374	2.61	0.0095
CFT1VA4	**Verbal Aggression subscale 4**	0.72	0.70	0.98	0.83	374	3.33	0.0010
CFT1DS4	**Verbal Discussion subscale 4**	2.42	1.23	2.44	1.25	374	0.16	0.8720
CFT1HI4	**Hostile-Indirect subscale 4**	0.60	0.82	0.88	1.04	374	2.95	0.0034

Comparison of Means for Normative and High Risk for Continuous Scales and Items

T-tests between the control and intervention samples indicated a significant difference for one scale, *Verbal Discussion Scale 3*, with the control sample parents being more likely to indicate that their partners used verbal discussion to resolve conflicts that the parents in the intervention sample.

		Control		Intervention				
Variable	**Label**	**Mean**	**Std Dev**	**Mean**	**Std Dev**	**DF**	**t Value**	**Pr > |t|**
CFT1PA1	**Physical Aggression subscale 1**	0.56	0.85	0.50	0.63	308	0.78	0.4364
CFT1VA1	**Verbal Aggression subscale 1**	1.79	0.95	1.84	0.89	308	-0.49	0.6241
CFT1DS1	**Verbal Discussion subscale 1**	3.60	1.11	3.54	1.18	308	0.45	0.6547
CFT1HI1	**Hostile-Indirect subscale 1**	0.55	0.82	0.65	0.86	308	-1.07	0.2865
CFT1SP1	**Spanking subscale 1**	2.41	1.62	2.19	1.48	308	1.26	0.2080
CFT1PA2	**Physical Aggression subscale 2**	0.21	0.34	0.31	0.51	168	-1.53	0.1274
CFT1VA2	**Verbal Aggression subscale 2**	1.21	0.75	1.26	0.87	168	-0.40	0.6887
CFT1DS2	**Verbal Discussion subscale 2**	3.10	1.35	2.90	1.43	168	0.94	0.3478
CFT1HI2	**Hostile-Indirect subscale 2**	0.33	0.58	0.47	0.80	168	-1.35	0.1797

Comparison of Means for Control and Intervention for Continuous Scales and Items

Comparison of Means for Control and Intervention for Continuous Scales and Items								
		Control		Intervention				
Variable	Label	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
CFT1SP2	Spanking subscale 2	1.35	1.40	1.04	1.06	169	1.60	0.1114
CFT1PA3	Physical Aggression subscale 3	0.20	0.39	0.22	0.45	166	-0.32	0.7485
CFT1VA3	Verbal Aggression subscale 3	1.16	0.90	1.04	0.85	166	0.88	0.3783
CFT1DS3	Verbal Discussion subscale 3	3.12	1.03	2.78	1.18	166	1.98	0.0496
CFT1HI3	Hostile-Indirect subscale 3	0.96	0.96	0.82	0.96	166	0.94	0.3503
CFT1PA4	Physical Aggression subscale 4	0.25	0.73	0.15	0.31	166	1.13	0.2620
CFT1VA4	Verbal Aggression subscale 4	1.02	0.94	0.94	0.70	166	0.67	0.5046
CFT1DS4	Verbal Discussion subscale 4	2.56	1.24	2.31	1.25	166	1.31	0.1927
CFT1HI4	Hostile-Indirect subscale 4	0.86	0.95	0.90	1.13	166	-0.23	0.8221

A chi-square test of response frequency on whether the parent had had a partner in the past year indicated a significant difference between the normative and the high risk samples, with the parents in the high risk samples being more likely than parents in the normative sample to have had a partner in the past year.

Conflict Tactics Scale Y1							
		0=No 1=Yes			Chi		
Variable		Normative Proportions	High Risk Proportions	DF	Square Statistic	P-value	N
Has the parent had a partner in the past year? (CFT1PAR)		0.31	0.44	1	10.29	0.001	617

V.   Recommendations for Future Use

Analysts should be aware of possible distributional issues; floor effects were noted for a number of the scales.

- *Physical Aggression Scale 1*: 49% of the normative sample and 40% of the high risk samples scored a zero on the scale.
- *Hostile-Indirect Scale 1*: 55% of the normative sample and 40% of the high risk samples scored a zero on the scale.
- *Physical Aggression Scale 2:* 72% of the normative sample and 58% of the high risk samples scored a zero on the scale.
- *Hostile Indirect Scale 2:* 69% of the normative sample and 57% of the high risk samples scored a zero on the scale.
- *Physical Aggression Scale 3:* 82% of the normative sample and 71% of the high risk samples scored a zero on the scale.
- *Verbal Aggression Scale 4:* 18% of the normative sample scored a zero on the scale.
- *Physical Aggression Scale 4:* 85% of the normative sample and 74% of the high risk samples scored a zero on the scale.
- *Hostile Indirect Scale 4:* 38% of the normative sample and 27% of the high risk samples scored a zero on the scale.

In addition, it needs to be noted that items on one subscale, *Physical Aggression Scale 2 (both samples),* had an item with a zero variation.

VI.   Item and Scale Means and SDs

Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
Descriptive Statistics – Normative Sample						
P1E1HI1	Sulked or refused to talk	386	0.79	1.39	0.00	6.00
P1E1HI2	Stomped out of room or house	387	0.56	1.24	0.00	6.00
P1E1HI3	Threw, smashed, hit, kicked something	387	0.20	0.69	0.00	5.00
P1E1HI4	Threw something at child	387	0.09	0.46	0.00	5.00
P1E1PA1	Pushed, grabbed, shoved child	387	0.69	1.16	0.00	5.00
P1E1PA2	Hit or tried to hit child	387	0.63	1.29	0.00	6.00
P1E1PA3	Hit or tried to hit child w/ something	387	0.35	1.03	0.00	6.00
P1E1PA4	Beat up your child	387	0.02	0.29	0.00	4.00
P1E1SP1	Spanked child	387	2.25	1.58	0.00	6.00
P1E1SP2	Spanked child with something	387	1.27	1.65	0.00	6.00
P1E1VA1	Argued angrily, did not yell	387	2.58	1.80	0.00	6.00
P1E1VA2	Yelled, insulted, swore at child	387	2.28	2.00	0.00	6.00
P1E1VA3	Threatened to throw something at child	387	0.18	0.76	0.00	6.00
P1E1VA4	Threatened to spank child	387	3.05	1.87	0.00	6.00
P1E1VA5	Threatened to hit child	386	0.80	1.55	0.00	6.00
P1E1VA6	Threatened to beat up child	387	0.12	0.69	0.00	6.00
P1E1VD1	Tried to discuss calmly	387	4.48	1.55	0.00	6.00
P1E1VD2	Did discuss issue calmly	387	4.30	1.48	0.00	6.00
P1E1VD3	Got information to back up side	386	3.15	2.04	0.00	6.00
P1E1VD4	Brought someone to help settle things	387	1.30	1.73	0.00	6.00
P1E2HI1	Partner sulked or refused to talk	249	0.51	1.13	0.00	6.00
P1E2HI2	Partner stomped out of room or house	249	0.29	0.78	0.00	6.00
P1E2HI3	Partner threw, smashed, hit, kicked something	249	0.13	0.64	0.00	6.00
P1E2HI4	Partner threw something at child	249	0.00	0.06	0.00	1.00
P1E2PA1	Partner pushed, grabbed, shoved child	249	0.29	0.69	0.00	5.00
P1E2PA2	Partner hit or tried to hit child	249	0.16	0.55	0.00	5.00
P1E2PA3	Partner hit or tried to hit child w/ something	249	0.09	0.46	0.00	5.00
P1E2PA4	Partner beat up your child	250	0.00	0.00	0.00	0.00
P1E2SP1	Partner spanked child	249	1.39	1.38	0.00	6.00
P1E2SP2	Partner spanked child with something	250	0.63	1.20	0.00	6.00
P1E2VA1	Partner argued angrily, did not yell	249	1.97	1.77	0.00	6.00
P1E2VA2	Partner yelled, insulted, swore at child	249	1.45	1.77	0.00	6.00
P1E2VA3	Partner threatened to throw something at child	248	0.03	0.39	0.00	6.00
P1E2VA4	Partner threatened to spank child	249	2.00	1.75	0.00	6.00
P1E2VA5	Partner threatened to hit child	249	0.34	0.95	0.00	6.00
P1E2VA6	Partner threatened to beat up child	249	0.02	0.32	0.00	5.00
P1E2VD1	Partner tried to discuss calmly	249	3.91	1.79	0.00	6.00
P1E2VD2	Partner did discuss issue calmly	249	3.80	1.75	0.00	6.00

Descriptive Statistics – Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E2VD3	Partner got information to back up side	249	2.57	2.11	0.00	6.00
P1E2VD4	Partner brought someone to help settle things	248	1.08	1.65	0.00	6.00
P1E3HI1	Sulked or refused to talk	248	1.40	1.51	0.00	6.00
P1E3HI2	Stomped out of room or house	248	1.03	1.37	0.00	6.00
P1E3HI3	Threw, smashed, hit, kicked something	248	0.23	0.64	0.00	4.00
P1E3HI4	Threw something at partner	248	0.19	0.57	0.00	3.00
P1E3PA1	Pushed, grabbed, shoved partner	248	0.23	0.73	0.00	6.00
P1E3PA2	Hit or tried to hit partner	248	0.19	0.55	0.00	3.00
P1E3PA3	Hit or tried to hit partner w/ something	248	0.11	0.44	0.00	3.00
P1E3PA4	Beat up your partner	248	0.02	0.22	0.00	3.00
P1E3VA1	Argued angrily, did not yell	248	1.98	1.55	0.00	6.00
P1E3VA2	Yelled, insulted, swore at partner	248	1.58	1.56	0.00	6.00
P1E3VA3	Threatened to throw something at partner	248	0.27	0.66	0.00	3.00
P1E3VA5	Threatened to hit partner	248	0.26	0.69	0.00	3.00
P1E3VA6	Threatened to beat up partner	248	0.14	0.56	0.00	4.00
P1E3VD1	Tried to discuss calmly	248	4.17	1.62	0.00	6.00
P1E3VD2	Did discuss issue calmly	248	4.04	1.68	0.00	6.00
P1E3VD3	Got information to back up side	248	2.71	2.14	0.00	6.00
P1E3VD4	Brought someone to help settle things	248	0.45	1.18	0.00	6.00
P1E4HI1	Partner sulked or refused to talk	248	1.23	1.61	0.00	6.00
P1E4HI2	Partner stomped out of room or house	248	0.85	1.34	0.00	6.00
P1E4HI3	Partner threw, smashed, hit, kicked something	248	0.29	0.80	0.00	6.00
P1E4HI4	Partner threw something at parent	248	0.10	0.57	0.00	6.00
P1E4PA1	Partner pushed, grabbed, shoved parent	248	0.17	0.54	0.00	5.00
P1E4PA2	Partner hit or tried to hit parent	248	0.16	0.61	0.00	6.00
P1E4PA3	Partner hit or tried to hit parent w/ something	248	0.07	0.45	0.00	6.00
P1E4PA4	Partner beat up your parent	248	0.07	0.44	0.00	6.00
P1E4VA1	Partner argued angrily, did not yell	248	1.82	1.54	0.00	6.00
P1E4VA2	Partner yelled, insulted, swore at parent	248	1.46	1.70	0.00	6.00
P1E4VA3	Partner threatened to throw something at parent	248	0.17	0.71	0.00	6.00
P1E4VA5	Partner threatened to hit parent	247	0.16	0.62	0.00	5.00
P1E4VA6	Partner threatened to beat up parent	248	0.13	0.63	0.00	6.00
P1E4VD1	Partner tried to discuss calmly	248	3.83	1.84	0.00	6.00
P1E4VD2	Partner did discuss issue calmly	248	3.77	1.78	0.00	6.00
P1E4VD3	Partner got information to back up side	248	1.91	1.97	0.00	6.00
P1E4VD4	Partner brought someone to help settle things	248	0.39	1.06	0.00	6.00
CFT1PA1	Physical Aggression Subscale 1	387	0.42	0.71	0.00	4.50
CFT1VA1	Verbal Aggression Subscale 1	387	1.50	0.94	0.00	5.17
CFT1DS1	Verbal Discussion Subscale 1	387	3.31	1.22	0.00	6.00
CFT1HI1	Hostile-Indirect subscale 1	387	0.41	0.72	0.00	4.25
CFT1SP1	Spanking subscale 1	387	1.76	1.47	0.00	6.00

Descriptive Statistics – Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
CFT1PA2	Physical Aggression Subscale 2	249	0.14	0.28	0.00	1.50
CFT1VA2	Verbal Aggression Subscale 2	249	0.97	0.74	0.00	3.83
CFT1DS2	Verbal Discussion Subscale 2	249	2.84	1.38	0.00	6.00
CFT1HI2	Hostile-Indirect subscale 2	249	0.23	0.46	0.00	2.50
CFT1SP2	Spanking subscale 2	250	1.01	1.16	0.00	6.00
CFT1PA3	Physical Aggression Subscale 3	248	0.14	0.39	0.00	2.75
CFT1VA3	Verbal Aggression Subscale 3	248	0.84	0.71	0.00	4.00
CFT1DS3	Verbal Discussion Subscale 3	248	2.84	1.18	0.50	6.00
CFT1HI3	Hostile-Indirect subscale 3	248	0.71	0.80	0.00	4.25
CFT1PA4	Physical Aggression Subscale 4	248	0.11	0.44	0.00	5.75
CFT1VA4	Verbal Aggression Subscale 4	248	0.75	0.74	0.00	5.00
CFT1DS4	Verbal Discussion Subscale 4	248	2.48	1.23	0.00	6.00
CFT1HI4	Hostile-Indirect subscale 4	248	0.62	0.83	0.00	4.75
CFT1PAR	Has the parent had a partner in the past year?	387	0.35	0.48	0.00	1.00

Control Sample

Descriptive Statistics - Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E1HI1	Sulked or refused to talk	155	0.95	1.52	0.00	6.00
P1E1HI2	Stomped out of room or house	155	0.61	1.27	0.00	6.00
P1E1HI3	Threw, smashed, hit, kicked something	155	0.50	1.18	0.00	6.00
P1E1HI4	Threw something at child	155	0.14	0.56	0.00	5.00
P1E1PA1	Pushed, grabbed, shoved child	155	1.06	1.40	0.00	6.00
P1E1PA2	Hit or tried to hit child	155	0.68	1.35	0.00	6.00
P1E1PA3	Hit or tried to hit child w/ something	155	0.45	1.24	0.00	6.00
P1E1PA4	Beat up your child	155	0.06	0.46	0.00	4.00
P1E1SP1	Spanked child	155	2.92	1.66	0.00	6.00
P1E1SP2	Spanked child with something	155	1.91	1.91	0.00	6.00
P1E1VA1	Argued angrily, did not yell	155	2.90	1.82	0.00	6.00
P1E1VA2	Yelled, insulted, swore at child	155	2.69	2.08	0.00	6.00
P1E1VA3	Threatened to throw something at child	155	0.13	0.52	0.00	4.00
P1E1VA4	Threatened to spank child	155	3.85	1.81	0.00	6.00
P1E1VA5	Threatened to hit child	155	0.96	1.72	0.00	6.00
P1E1VA6	Threatened to beat up child	154	0.19	0.94	0.00	6.00
P1E1VD1	Tried to discuss calmly	155	4.70	1.37	0.00	6.00
P1E1VD2	Did discuss issue calmly	155	4.38	1.43	0.00	6.00
P1E1VD3	Got information to back up side	155	3.58	1.92	0.00	6.00
P1E1VD4	Brought someone to help settle things	155	1.72	1.85	0.00	6.00
P1E2HI1	Partner sulked or refused to talk	89	0.57	1.24	0.00	6.00
P1E2HI2	Partner stomped out of room or house	89	0.60	1.18	0.00	6.00

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
	Descriptive Statistics - Control Sample					
P1E2HI3	Partner threw, smashed, hit, kicked something	89	0.12	0.54	0.00	4.00
P1E2HI4	Partner threw something at child	89	0.01	0.11	0.00	1.00
P1E2PA1	Partner pushed, grabbed, shoved child	89	0.64	1.21	0.00	5.00
P1E2PA2	Partner hit or tried to hit child	89	0.13	0.40	0.00	2.00
P1E2PA3	Partner hit or tried to hit child w/ something	89	0.08	0.46	0.00	4.00
P1E2PA4	Partner beat up your child	90	0.00	0.00	0.00	0.00
P1E2SP1	Partner spanked child	89	1.87	1.62	0.00	6.00
P1E2SP2	Partner spanked child with something	90	0.86	1.51	0.00	6.00
P1E2VA1	Partner argued angrily, did not yell	89	2.19	1.75	0.00	6.00
P1E2VA2	Partner yelled, insulted, swore at child	89	1.78	1.96	0.00	6.00
P1E2VA3	Partner threatened to throw something at child	89	0.03	0.18	0.00	1.00
P1E2VA4	Partner threatened to spank child	89	2.88	2.04	0.00	6.00
P1E2VA5	Partner threatened to hit child	89	0.36	0.86	0.00	3.00
P1E2VA6	Partner threatened to beat up child	89	0.00	0.00	0.00	0.00
P1E2VD1	Partner tried to discuss calmly	89	4.13	1.73	0.00	6.00
P1E2VD2	Partner did discuss issue calmly	89	3.91	1.74	0.00	6.00
P1E2VD3	Partner got information to back up side	89	2.88	2.17	0.00	6.00
P1E2VD4	Partner brought someone to help settle things	89	1.46	1.79	0.00	6.00
P1E3HI1	Sulked or refused to talk	87	1.83	1.74	0.00	6.00
P1E3HI2	Stomped out of room or house	87	1.34	1.66	0.00	6.00
P1E3HI3	Threw, smashed, hit, kicked something	87	0.46	0.93	0.00	4.00
P1E3HI4	Threw something at partner	87	0.21	0.53	0.00	3.00
P1E3PA1	Pushed, grabbed, shoved partner	87	0.32	0.69	0.00	4.00
P1E3PA2	Hit or tried to hit partner	87	0.34	0.73	0.00	4.00
P1E3PA3	Hit or tried to hit partner w/ something	87	0.08	0.31	0.00	2.00
P1E3PA4	Beat up your partner	87	0.03	0.18	0.00	1.00
P1E3VA1	Argued angrily, did not yell	87	2.49	1.66	0.00	6.00
P1E3VA2	Yelled, insulted, swore at partner	87	2.18	1.80	0.00	6.00
P1E3VA3	Threatened to throw something at partner	87	0.51	1.01	0.00	5.00
P1E3VA5	Threatened to hit partner	87	0.34	0.87	0.00	4.00
P1E3VA6	Threatened to beat up partner	87	0.26	0.96	0.00	6.00
P1E3VD1	Tried to discuss calmly	87	4.47	1.49	0.00	6.00
P1E3VD2	Did discuss issue calmly	87	4.21	1.61	0.00	6.00
P1E3VD3	Got information to back up side	86	2.85	2.05	0.00	6.00
P1E3VD4	Brought someone to help settle things	87	0.95	1.57	0.00	6.00
P1E4HI1	Partner sulked or refused to talk	87	1.74	1.91	0.00	6.00
P1E4HI2	Partner stomped out of room or house	87	1.26	1.59	0.00	6.00
P1E4HI3	Partner threw, smashed, hit, kicked something	87	0.39	0.85	0.00	4.00
P1E4HI4	Partner threw something at parent	87	0.07	0.30	0.00	2.00
P1E4PA1	Partner pushed, grabbed, shoved parent	87	0.38	0.89	0.00	5.00
P1E4PA2	Partner hit or tried to hit parent	87	0.38	1.04	0.00	6.00

Descriptive Statistics - Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E4PA3	Partner hit or tried to hit parent w/ something	87	0.11	0.69	0.00	6.00
P1E4PA4	Partner beat up your parent	87	0.14	0.68	0.00	6.00
P1E4VA1	Partner argued angrily, did not yell	87	2.39	1.77	0.00	6.00
P1E4VA2	Partner yelled, insulted, swore at parent	87	1.83	1.97	0.00	6.00
P1E4VA3	Partner threatened to throw something at parent	87	0.30	0.93	0.00	5.00
P1E4VA5	Partner threatened to hit parent	86	0.38	1.09	0.00	5.00
P1E4VA6	Partner threatened to beat up parent	87	0.21	0.78	0.00	6.00
P1E4VD1	Partner tried to discuss calmly	87	4.00	1.87	0.00	6.00
P1E4VD2	Partner did discuss issue calmly	87	3.85	1.77	0.00	6.00
P1E4VD3	Partner got information to back up side	87	1.82	2.03	0.00	6.00
P1E4VD4	Partner brought someone to help settle things	87	0.57	1.31	0.00	6.00
CFT1PA1	Physical Aggression subscale 1	155	0.56	0.85	0.00	4.50
CFT1VA1	Verbal Aggression subscale 1	155	1.79	0.95	0.00	4.83
CFT1DS1	Verbal Discussion subscale 1	155	3.60	1.11	0.50	6.00
CFT1HI1	Hostile-Indirect subscale 1	155	0.55	0.82	0.00	4.25
CFT1SP1	Spanking subscale 1	155	2.41	1.62	0.00	6.00
CFT1PA2	Physical Aggression subscale 2	89	0.21	0.34	0.00	1.25
CFT1VA2	Verbal Aggression subscale 2	89	1.21	0.75	0.00	2.83
CFT1DS2	Verbal Discussion subscale 2	89	3.10	1.35	0.00	6.00
CFT1HI2	Hostile-Indirect subscale 2	89	0.33	0.58	0.00	2.50
CFT1SP2	Spanking subscale 2	90	1.35	1.40	0.00	6.00
CFT1PA3	Physical Aggression subscale 3	87	0.20	0.39	0.00	2.25
CFT1VA3	Verbal Aggression subscale 3	87	1.16	0.90	0.00	4.60
CFT1DS3	Verbal Discussion subscale 3	87	3.12	1.03	0.00	5.50
CFT1HI3	Hostile-Indirect subscale 3	87	0.96	0.96	0.00	3.50
CFT1PA4	Physical Aggression subscale 4	87	0.25	0.73	0.00	5.75
CFT1VA4	Verbal Aggression subscale 4	87	1.02	0.94	0.00	4.80
CFT1DS4	Verbal Discussion subscale 4	87	2.56	1.24	0.00	5.75
CFT1HI4	Hostile-Indirect subscale 4	87	0.86	0.95	0.00	4.25
CFT1PAR	Has the parent had a partner in the past year?	155	0.43	0.50	0.00	1.00

Intervention Sample

Descriptive Statistics - Intervention Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E1HI1	Sulked or refused to talk	155	1.19	1.75	0.00	6.00
P1E1HI2	Stomped out of room or house	155	0.85	1.54	0.00	6.00
P1E1HI3	Threw, smashed, hit, kicked something	153	0.43	1.17	0.00	6.00
P1E1HI4	Threw something at child	155	0.14	0.66	0.00	6.00
P1E1PA1	Pushed, grabbed, shoved child	155	0.96	1.32	0.00	6.00
P1E1PA2	Hit or tried to hit child	155	0.68	1.30	0.00	6.00

Descriptive Statistics - Intervention Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E1PA3	Hit or tried to hit child w/ something	155	0.34	1.01	0.00	5.00
P1E1PA4	Beat up your child	155	0.00	0.00	0.00	0.00
P1E1SP1	Spanked child	155	2.75	1.57	0.00	6.00
P1E1SP2	Spanked child with something	155	1.63	1.75	0.00	6.00
P1E1VA1	Argued angrily, did not yell	155	3.08	1.69	0.00	6.00
P1E1VA2	Yelled, insulted, swore at child	155	2.82	1.98	0.00	6.00
P1E1VA3	Threatened to throw something at child	154	0.22	0.83	0.00	6.00
P1E1VA4	Threatened to spank child	155	3.68	1.75	0.00	6.00
P1E1VA5	Threatened to hit child	155	1.02	1.72	0.00	6.00
P1E1VA6	Threatened to beat up child	155	0.21	0.90	0.00	6.00
P1E1VD1	Tried to discuss calmly	155	4.67	1.45	0.00	6.00
P1E1VD2	Did discuss issue calmly	155	4.41	1.37	0.00	6.00
P1E1VD3	Got information to back up side	155	3.45	1.94	0.00	6.00
P1E1VD4	Brought someone to help settle things	155	1.61	1.95	0.00	6.00
P1E2HI1	Partner sulked or refused to talk	81	0.79	1.43	0.00	6.00
P1E2HI2	Partner stomped out of room or house	81	0.68	1.41	0.00	6.00
P1E2HI3	Partner threw, smashed, hit, kicked something	81	0.30	0.94	0.00	5.00
P1E2HI4	Partner threw something at child	81	0.11	0.50	0.00	3.00
P1E2PA1	Partner pushed, grabbed, shoved child	81	0.74	1.31	0.00	6.00
P1E2PA2	Partner hit or tried to hit child	81	0.33	0.94	0.00	4.00
P1E2PA3	Partner hit or tried to hit child w/ something	81	0.19	0.73	0.00	4.00
P1E2PA4	Partner beat up your child	81	0.00	0.00	0.00	0.00
P1E2SP1	Partner spanked child	81	1.48	1.36	0.00	5.00
P1E2SP2	Partner spanked child with something	81	0.60	1.08	0.00	4.00
P1E2VA1	Partner argued angrily, did not yell	81	2.25	1.83	0.00	6.00
P1E2VA2	Partner yelled, insulted, swore at child	81	2.09	1.86	0.00	6.00
P1E2VA3	Partner threatened to throw something at child	80	0.09	0.40	0.00	3.00
P1E2VA4	Partner threatened to spank child	80	2.48	1.78	0.00	6.00
P1E2VA5	Partner threatened to hit child	81	0.60	1.41	0.00	6.00
P1E2VA6	Partner threatened to beat up child	81	0.02	0.22	0.00	2.00
P1E2VD1	Partner tried to discuss calmly	81	4.04	1.87	0.00	6.00
P1E2VD2	Partner did discuss issue calmly	81	3.88	1.71	0.00	6.00
P1E2VD3	Partner got information to back up side	81	2.47	2.04	0.00	6.00
P1E2VD4	Partner brought someone to help settle things	81	1.20	1.87	0.00	6.00
P1E3HI1	Sulked or refused to talk	81	1.47	1.70	0.00	6.00
P1E3HI2	Stomped out of room or house	81	1.21	1.48	0.00	6.00
P1E3HI3	Threw, smashed, hit, kicked something	81	0.32	1.02	0.00	6.00
P1E3HI4	Threw something at partner	81	0.28	0.98	0.00	6.00
P1E3PA1	Pushed, grabbed, shoved partner	81	0.36	0.88	0.00	5.00
P1E3PA2	Hit or tried to hit partner	81	0.36	0.81	0.00	4.00
P1E3PA3	Hit or tried to hit partner w/ something	81	0.14	0.41	0.00	2.00

Descriptive Statistics - Intervention Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P1E3PA4	Beat up your partner	81	0.01	0.11	0.00	1.00
P1E3VA1	Argued angrily, did not yell	81	2.22	1.54	0.00	6.00
P1E3VA2	Yelled, insulted, swore at partner	81	2.02	1.67	0.00	6.00
P1E3VA3	Threatened to throw something at partner	81	0.41	1.23	0.00	6.00
P1E3VA5	Threatened to hit partner	81	0.35	0.92	0.00	6.00
P1E3VA6	Threatened to beat up partner	81	0.20	0.73	0.00	5.00
P1E3VD1	Tried to discuss calmly	81	4.09	1.62	1.00	6.00
P1E3VD2	Did discuss issue calmly	81	3.89	1.64	1.00	6.00
P1E3VD3	Got information to back up side	81	2.41	2.04	0.00	6.00
P1E3VD4	Brought someone to help settle things	81	0.74	1.46	0.00	6.00
P1E4HI1	Partner sulked or refused to talk	81	1.58	1.85	0.00	6.00
P1E4HI2	Partner stomped out of room or house	81	1.16	1.61	0.00	6.00
P1E4HI3	Partner threw, smashed, hit, kicked something	81	0.60	1.19	0.00	5.00
P1E4HI4	Partner threw something at parent	81	0.26	0.79	0.00	4.00
P1E4PA1	Partner pushed, grabbed, shoved parent	81	0.31	0.65	0.00	3.00
P1E4PA2	Partner hit or tried to hit parent	81	0.17	0.49	0.00	3.00
P1E4PA3	Partner hit or tried to hit parent w/ something	81	0.09	0.32	0.00	2.00
P1E4PA4	Partner beat up your parent	81	0.05	0.22	0.00	1.00
P1E4VA1	Partner argued angrily, did not yell	81	1.99	1.55	0.00	6.00
P1E4VA2	Partner yelled, insulted, swore at parent	81	1.77	1.57	0.00	6.00
P1E4VA3	Partner threatened to throw something at parent	81	0.38	0.97	0.00	4.00
P1E4VA5	Partner threatened to hit parent	81	0.33	0.77	0.00	3.00
P1E4VA6	Partner threatened to beat up parent	81	0.22	0.61	0.00	3.00
P1E4VD1	Partner tried to discuss calmly	81	3.60	1.95	0.00	6.00
P1E4VD2	Partner did discuss issue calmly	81	3.54	1.90	0.00	6.00
P1E4VD3	Partner got information to back up side	81	1.56	1.83	0.00	6.00
P1E4VD4	Partner brought someone to help settle things	81	0.53	1.34	0.00	6.00
CFT1PA1	Physical Aggression subscale 1	155	0.50	0.63	0.00	2.75
CFT1VA1	Verbal Aggression subscale 1	155	1.84	0.89	0.00	5.00
CFT1DS1	Verbal Discussion subscale 1	155	3.54	1.18	0.75	6.00
CFT1HI1	Hostile-Indirect subscale 1	155	0.65	0.86	0.00	4.75
CFT1SP1	Spanking subscale 1	155	2.19	1.48	0.00	6.00
CFT1PA2	Physical Aggression subscale 2	81	0.31	0.51	0.00	2.50
CFT1VA2	Verbal Aggression subscale 2	81	1.26	0.87	0.00	4.50
CFT1DS2	Verbal Discussion subscale 2	81	2.90	1.43	0.00	6.00
CFT1HI2	Hostile-Indirect subscale 2	81	0.47	0.80	0.00	3.75
CFT1SP2	Spanking subscale 2	81	1.04	1.06	0.00	4.50
CFT1PA3	Physical Aggression subscale 3	81	0.22	0.45	0.00	2.25
CFT1VA3	Verbal Aggression subscale 3	81	1.04	0.85	0.00	4.40
CFT1DS3	Verbal Discussion subscale 3	81	2.78	1.18	0.50	6.00
CFT1HI3	Hostile-Indirect subscale 3	81	0.82	0.96	0.00	4.50

Descriptive Statistics - Intervention Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
CFT1PA4	Physical Aggression subscale 4	81	0.15	0.31	0.00	1.75
CFT1VA4	Verbal Aggression subscale 4	81	0.94	0.70	0.00	3.00
CFT1DS4	Verbal Discussion subscale 4	81	2.31	1.25	0.00	6.00
CFT1HI4	Hostile-Indirect subscale 4	81	0.90	1.13	0.00	5.00
CFT1PAR	Has the parent had a partner in the past year?	154	0.45	0.50	0.00	1.00

VII.   Subscale Correlations

Conflict Tactics Scales Full Sample Subscale Correlations

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations									
	CFT1HI1	CFT1PA1	CFT1VA1	CFT1DS1	CFT1SP1	CFT1HI2	CFT1PA2	CFT1VA2	CFT1DS2
CFT1HI1 Hostile-Indirect subscale 1	1.000 618	0.326 0.000 618	0.418 0.000 618	0.181 0.000 618	0.345 0.000 618	0.310 0.000 378	0.076 0.138 378	0.231 0.000 378	0.013 0.803 378
CFT1PA1 Physical Aggression subscale 1	0.326 0.000 618	1.000 618	0.578 0.000 618	0.102 0.011 618	0.424 0.000 618	0.122 0.018 378	0.483 0.000 378	0.179 0.000 378	0.008 0.879 378
CFT1VA1 Verbal Aggression subscale 1	0.418 0.000 618	0.578 0.000 618	1.000 618	0.327 0.000 618	0.498 0.000 618	0.136 0.008 378	0.264 0.000 378	0.502 0.000 378	0.185 0.000 378
CFT1DS1 Verbal Discussion subscale 1	0.181 0.000 618	0.102 0.011 618	0.327 0.000 618	1.000 618	0.170 0.000 618	0.063 0.223 378	0.138 0.007 378	0.275 0.000 378	0.655 0.000 378
CFT1SP1 Spanking subscale 1	0.345 0.000 618	0.424 0.000 618	0.498 0.000 618	0.170 0.000 618	1.000 618	0.163 0.001 378	0.192 0.000 378	0.295 0.000 378	0.065 0.211 378
CFT1HI2 Hostile-Indirect subscale 2	0.310 0.000 378	0.122 0.018 378	0.136 0.008 378	0.063 0.223 378	0.163 0.001 378	1.000 378	0.124 0.016 378	0.394 0.000 378	-0.073 0.155 378
CFT1PA2 Physical Aggression subscale 2	0.076 0.138 378	0.483 0.000 378	0.264 0.000 378	0.138 0.007 378	0.192 0.000 378	0.124 0.016 378	1.000 378	0.383 0.000 378	0.040 0.438 378
CFT1VA2 Verbal Aggression subscale 2	0.231 0.000 378	0.179 0.000 378	0.502 0.000 378	0.275 0.000 378	0.295 0.000 378	0.394 0.000 378	0.383 0.000 378	1.000 378	0.145 0.005 378
CFT1DS2 Verbal Discussion subscale 2	0.013 0.803 378	0.008 0.879 378	0.185 0.000 378	0.655 0.000 378	0.065 0.211 378	-0.073 0.155 378	0.040 0.438 378	0.145 0.005 378	1.000 378
CFT1SP2 Spanking subscale 2	0.266 0.000 379	0.139 0.007 379	0.282 0.000 379	0.132 0.010 379	0.568 0.000 379	0.200 0.000 378	0.369 0.000 378	0.482 0.000 378	0.030 0.565 378
CFT1HI3 Hostile-Indirect subscale 3	0.472 0.000 376	0.209 0.000 376	0.286 0.000 376	0.071 0.170 376	0.219 0.000 376	0.363 0.000 376	0.124 0.016 376	0.284 0.000 376	0.029 0.572 376
CFT1PA3 Physical Aggression subscale 3	0.263 0.000 376	0.173 0.001 376	0.154 0.003 376	-0.035 0.503 376	0.111 0.032 376	0.153 0.003 376	0.088 0.089 376	0.088 0.087 376	-0.016 0.757 376
CFT1VA3 Verbal Aggression subscale 3	0.318 0.000 376	0.177 0.001 376	0.358 0.000 376	0.139 0.007 376	0.221 0.000 376	0.331 0.000 376	0.119 0.021 376	0.403 0.000 376	0.070 0.175 376

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations									
	CFT1HI1	**CFT1PA1**	**CFT1VA1**	**CFT1DS1**	**CFT1SP1**	**CFT1HI2**	**CFT1PA2**	**CFT1VA2**	**CFT1DS2**
CFT1DS3 Verbal Discussion subscale 3	0.155 0.003 376	0.078 0.130 376	0.165 0.001 376	0.484 0.000 376	0.088 0.088 376	0.143 0.005 376	0.017 0.739 376	0.179 0.001 376	0.443 0.000 376
CFT1HI4 Hostile-Indirect subscale 4	0.267 0.000 376	0.197 0.000 376	0.245 0.000 376	0.097 0.060 376	0.202 0.000 376	0.565 0.000 376	0.258 0.000 376	0.359 0.000 376	-0.055 0.284 376
CFT1PA4 Physical Aggression subscale 4	0.137 0.008 376	0.094 0.070 376	0.125 0.015 376	0.099 0.056 376	0.149 0.004 376	0.208 0.000 376	0.182 0.000 376	0.145 0.005 376	0.020 0.702 376
CFT1VA4 Verbal Aggression subscale 4	0.257 0.000 376	0.165 0.001 376	0.338 0.000 376	0.160 0.002 376	0.210 0.000 376	0.390 0.000 376	0.277 0.000 376	0.467 0.000 376	0.030 0.564 376
CFT1DS4 Verbal Discussion subscale 4	0.128 0.013 376	0.074 0.154 376	0.131 0.011 376	0.412 0.000 376	0.087 0.093 376	-0.043 0.407 376	0.090 0.081 376	0.125 0.015 376	0.508 0.000 376

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations									
	CFT1SP2	**CFT1HI3**	**CFT1PA3**	**CFT1VA3**	**CFT1DS3**	**CFT1HI4**	**CFT1PA4**	**CFT1VA4**	**CFT1DS4**
CFT1HI1 Hostile-Indirect subscale 1	0.266 0.000 379	0.472 0.000 376	0.263 0.000 376	0.318 0.000 376	0.155 0.003 376	0.267 0.000 376	0.137 0.008 376	0.257 0.000 376	0.128 0.013 376
CFT1PA1 Physical Aggression subscale 1	0.139 0.007 379	0.209 0.000 376	0.173 0.001 376	0.177 0.001 376	0.078 0.130 376	0.197 0.000 376	0.094 0.070 376	0.165 0.001 376	0.074 0.154 376
CFT1VA1 Verbal Aggression subscale 1	0.282 0.000 379	0.286 0.000 376	0.154 0.003 376	0.358 0.000 376	0.165 0.001 376	0.245 0.000 376	0.125 0.015 376	0.338 0.000 376	0.131 0.011 376
CFT1DS1 Verbal Discussion subscale 1	0.132 0.010 379	0.071 0.170 376	-0.035 0.503 376	0.139 0.007 376	0.484 0.000 376	0.097 0.060 376	0.099 0.056 376	0.160 0.002 376	0.412 0.000 376
CFT1SP1 Spanking subscale 1	0.568 0.000 379	0.219 0.000 376	0.111 0.032 376	0.221 0.000 376	0.088 0.088 376	0.202 0.000 376	0.149 0.004 376	0.210 0.000 376	0.087 0.093 376
CFT1HI2 Hostile-Indirect subscale 2	0.200 0.000 378	0.363 0.000 376	0.153 0.003 376	0.331 0.000 376	0.143 0.005 376	0.565 0.000 376	0.208 0.000 376	0.390 0.000 376	-0.043 0.407 376
CFT1PA2 Physical Aggression subscale 2	0.369 0.000 378	0.124 0.016 376	0.088 0.089 376	0.119 0.021 376	0.017 0.739 376	0.258 0.000 376	0.182 0.000 376	0.277 0.000 376	0.090 0.081 376
CFT1VA2 Verbal Aggression subscale 2	0.482 0.000 378	0.284 0.000 376	0.088 0.087 376	0.403 0.000 376	0.179 0.001 376	0.359 0.000 376	0.145 0.005 376	0.467 0.000 376	0.125 0.015 376
CFT1DS2 Verbal Discussion subscale 2	0.030 0.565 378	0.029 0.572 376	-0.016 0.757 376	0.070 0.175 376	0.443 0.000 376	-0.055 0.284 376	0.020 0.702 376	0.030 0.564 376	0.508 0.000 376
CFT1SP2 Spanking subscale 2	1.000 379	0.197 0.000 376	0.077 0.135 376	0.235 0.000 376	0.083 0.107 376	0.240 0.000 376	0.158 0.002 376	0.252 0.000 376	0.108 0.037 376
CFT1HI3 Hostile-Indirect subscale 3	0.197 0.000 376	1.000 376	0.569 0.000 376	0.662 0.000 376	0.137 0.008 376	0.553 0.000 376	0.306 0.000 376	0.519 0.000 376	0.069 0.184 376

	CFT1SP2	CFT1HI3	CFT1PA3	CFT1VA3	CFT1DS3	CFT1HI4	CFT1PA4	CFT1VA4	CFT1DS4
Pearson Correlation Coefficients **Prob > |r| under H0: Rho=0** **Number of Observations**									

	CFT1SP2	CFT1HI3	CFT1PA3	CFT1VA3	CFT1DS3	CFT1HI4	CFT1PA4	CFT1VA4	CFT1DS4
CFT1PA3 Physical Aggression subscale 3	0.077 0.135 376	0.569 0.000 376	1.000 376	0.537 0.000 376	-0.030 0.567 376	0.364 0.000 376	0.361 0.000 376	0.386 0.000 376	-0.104 0.045 376
CFT1VA3 Verbal Aggression subscale 3	0.235 0.000 376	0.662 0.000 376	0.537 0.000 376	1.000 376	0.227 0.000 376	0.513 0.000 376	0.369 0.000 376	0.678 0.000 376	0.063 0.224 376
CFT1DS3 Verbal Discussion subscale 3	0.083 0.107 376	0.137 0.008 376	-0.030 0.567 376	0.227 0.000 376	1.000 376	0.146 0.005 376	0.051 0.321 376	0.165 0.001 376	0.733 0.000 376
CFT1HI4 Hostile-Indirect subscale 4	0.240 0.000 376	0.553 0.000 376	0.364 0.000 376	0.513 0.000 376	0.146 0.005 376	1.000 376	0.482 0.000 376	0.664 0.000 376	-0.041 0.425 376
CFT1PA4 Physical Aggression subscale 4	0.158 0.002 376	0.306 0.000 376	0.361 0.000 376	0.369 0.000 376	0.051 0.321 376	0.482 0.000 376	1.000 376	0.558 0.000 376	0.027 0.599 376
CFT1VA4 Verbal Aggression subscale 4	0.252 0.000 376	0.519 0.000 376	0.386 0.000 376	0.678 0.000 376	0.165 0.001 376	0.664 0.000 376	0.558 0.000 376	1.000 376	0.060 0.242 376
CFT1DS4 Verbal Discussion subscale 4	0.108 0.037 376	0.069 0.184 376	-0.104 0.045 376	0.063 0.224 376	0.733 0.000 376	-0.041 0.425 376	0.027 0.599 376	0.060 0.242 376	1.000 376