

## **Interview on Emotional Experience**

Grade 1/Year 2

Fast Track Project Technical Report

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SAS scoring program

### **Citations**

#### *Instrument*

Conduct Problems Prevention Research Group (CPPRG). (1991). *Interview on Emotional Experience* [On-line]. Available: <http://www.fasttrackproject.org>

#### *Reports*

Rains, C. (2003). *Interview on Emotional Experience*. (Fast Track Project Technical Report). Available from the Fast Track Project website: <http://www.fasttrackproject.org>

Haynes, K. (1996). *Interview on Emotional Experience*. (Fast Track Project Technical Report). Nashville, TN: Vanderbilt University.

Haynes, K. (1995). *Interview on Emotional Experience*. (Fast Track Project Technical Report). Nashville, TN: Vanderbilt University.

### **Data Sources**

*Raw:* C2Bex

*Scored:* IEE2

### **I. Scale Description**

The Interview on Emotional Experience is a 22-item measure given to children as part of the summer interview for the first four years of the study. The measure focuses on four emotions—happiness, sadness, anger, and worry. For each emotion, the child is asked several questions about the emotion and the interviewer then codes the child's responses. The first question the child is asked for each emotion is, "What kinds of things make you feel ... (happy, sad, angry, worried)?" The interviewer prompts the child for two examples/responses for this question and then codes each response as appropriate, inappropriate, or no response. The second question the child is asked for each emotion is, "When you are feeling ... (happy, sad, angry, worried), what kinds of things do you do?" The interviewer prompts the child for two responses for this question and then codes each response as one of the following: no response (0), physically aggressive (1), verbally aggressive (2), avoidant/passive (3), affective display (4), communication with adult (5), communication with peer (6), self-control (7), prosocial (8), or doing things/other (9). Finally, for the emotions sad, angry, and worried, the child is asked, "If you saw another kid in your class looking ... (sad, angry, worried), what would you do?" Again the interviewer prompts the child for two responses and then codes the responses using the same scale (0-9) as for the

second question. This results in a total of four possible responses for happiness (two responses each for questions one and two only) and six possible responses each for sadness, anger, and worry (two responses each for all three questions).

## II. Report Sample

These analyses were conducted on the first cohort on the high-risk control sample (n = 155) and the normative sample (n = 387 with overlap, total N = 463) from the second year of the study. Thirty-two records were missing the complete measure. Eight records were missing from the high-risk control sample (4 from Durham and 4 from Washington) and 25 records were missing from the normative sample (3 from Durham, 7 from Nashville, 3 from Pennsylvania, and 12 from Washington). These numbers may reflect some overlap between the two samples.

## III. Scaling

There are numerous ways that the IEE can be analyzed, including conducting separate analyses on each question, or by each emotion. Because of the high number of “no responses” to the second request/prompt for each question, it is recommended that the first response to each question be considered in the analyses of this instrument.

A number of scores and several scales are calculated as part of the IEE. The original response coding (0-9) for each item was transformed into a set of 10 dichotomous variables. First, a score is computed for each child in each of the response categories across the second and third questions by summing the number of times a child had a response for a category, resulting in 10 scores for the child (no response, physically aggressive, verbally aggressive, avoidant/passive, affective display, communication with adult, communication with peer, self-control, prosocial, or doing things/other). The child's score for each of these categories ranges from 0 to 7, with 0 being a low score (indicating that no response fit the category) and 7 being a high score (indicating that all of the child's responses fit the category), since only the first response to each question is included in the scoring program (this would then include the second question about happiness and the second and third questions about sadness, anger, and worry). A score of zero for one of these categories would indicate that the child gave responses that did not fit into that category (for example, the child might not have used any responses indicating the use of verbal aggression), while a score of 7 would indicate that the child used a particular type of response often (for example, the child might have used responses that showed communication with their peers when dealing with all of their emotions).

In addition, an *Appropriateness Score* is calculated by summing the number of times a child described an appropriate response for the emotion for the first question, “What kinds of things make you feel...?” This score can range from 0 to 4 since only the first response for each emotion was included in the scoring program. A standardized *Appropriateness Score* was also created because the standard deviation among the four items that make up the scale showed great variation for both the high-risk sample and the normative sample. Even with the standardization of the score, there was still some variation among the standard deviation of these items because the standardization was done on the full sample, and the variances differed somewhat by high-risk status. To create the standardized score, the items were first standardized with a mean of zero and a standard deviation of one, and then the mean was calculated as the score.

As there was almost no variation on the score for Happy (over 95% of the responses were correct), a second *Appropriateness Score*, *Appropriateness Score without the Happiness Item*, was created to include only responses for angry, sad, and worried. This score can range from 0 to 3. A standardized score was also created for this scale.

Finally, several scales are created as well by summing together two of the category scores and taking their mean. The scales include the *Aggression Scale* (Physical Aggression Score + Verbal Aggression Score), the *Communication Scale* (Communication with Adults Score + Communication with Peers Score), and the *Positive Response Scale* (Prosocial Score + Self-Control Score). These three scales have a range of 0 to 7.

Cronbach's alphas were calculated for each score and can be seen in the following table:

Subscales	Cronbach's Alpha	
	High-Risk Control Sample	Normative Sample
No Response score IEE Y2 (IEE2NRS)	.69	.60
Physical Aggression score IEE Y2 (IEE2PAG)	.37	.24
Verbal Aggression score IEE Y2 (IEE2VAG)	.12	-.06
Avoidant/Passive score IEE Y2 (IEE2APS)	.51	.41
Affective Display score IEE Y2 (IEE2ADS)	.53	.51
Communication w/Adults score IEE Y2 (IEE2CWA)	.32	.45
Communication w/Peers score IEE Y2 (IEE2CWP)	.08	.11
Self-Control score IEE Y2 (IEE2SCS)	-.05	.19
Prosocial score IEE Y2 (IEE2PSS)	.44	.45
Do Nothing score IEE Y2 (IEE2DNS)	.30	.40
Aggression Scale IEE Y2 (IEE2AGG)	.27	.13
Communication Scale IEE Y2 (IEE2COM)	.30	.34
Positive Response Scale IEE Y2 (IEE2PRS)	.42	.44
Appropriateness Score IEE Y2 (IEE2ASC)	-.03	.61
Appropriateness Score Standardized Y2 (IEE2ASCz)	-.03	.62
Appropriateness Score w/o Happiness Item IEE Y2 (IEE2AS2)	-.03	.44
Appropriateness Score Standardized w/o Happiness Item Y2 (IEE2AS2z)	-.03	.46

Given that there were more possible response scores (9) than there were questions (8), and some responses were rarely used, it is not surprising that the response scores do not have high internal consistency. Further, it might be expected that one would do something differently under conditions of happiness and anger, for example. Only one score, the *No Response Score*, showed an adequate internal reliability for both the normative and the high-risk control samples. The *Appropriateness Score* and the *Appropriateness Standardized Score* showed adequate internal reliabilities for the normative sample only.

#### IV. Differences between Groups

A series of t-tests between the high-risk control sample (not including the overlap) and the normative sample indicated significant differences for four scores: the *No Response Score*, the *Positive Response Scale*, the *Communication with Peers Score*, and the *Prosocial Score*. For three of these scores--the *Positive Response Scale*, the *Communication with Peers Score*, and the *Prosocial Score*—the mean for the normative sample was greater than the mean for the control sample. For the *No Response Score*, the mean for the control sample was greater than that of the normative sample.

The *Self-Control Score* approached significance ( $p = .09$ ), with the normative sample scoring a higher mean than that of the control sample.

Comparison of Means for Normative and Control for IEE Year 2								
Variable	Label	Normative		Control		DF	t Value	Pr >  t
		Mean	Std Dev	Mean	Std Dev			
IEE2NRS	No Response score IEE Y2	0.37	0.81	0.66	1.24	436	3.01	0.0028
IEE2PAG	Physical Aggression score IEE Y2	0.28	0.56	0.36	0.67	436	1.37	0.1721
IEE2VAG	Verbal Aggression score IEE Y2	0.07	0.26	0.08	0.29	436	0.23	0.8186
IEE2APS	Avoidant/Passive score IEE Y2	0.83	0.98	0.94	1.18	436	1.02	0.3083
IEE2ADS	Affective Display score IEE Y2	0.82	1.08	0.65	1.02	436	-1.56	0.1199
IEE2CWA	Communication w/Adults score IEE Y2	0.73	1.05	0.66	0.89	436	-0.76	0.4477
IEE2CWP	Communication w/Peers score IEE Y2	0.19	0.44	0.09	0.31	436	-2.44	0.0153
IEE2SCS	Self-Control score IEE Y2	0.13	0.38	0.07	0.25	436	-1.73	0.0852
IEE2PSS	Prosocial score IEE Y2	2.26	1.13	1.94	1.22	436	-2.75	0.0062
IEE2DNS	Do Nothing score IEE Y2	1.24	1.11	1.31	1.04	436	0.68	0.4964
IEE2AGG	Aggression Scale IEE Y2	0.18	0.30	0.22	0.36	436	1.38	0.1687
IEE2COM	Communication Scale IEE Y2	0.46	0.56	0.37	0.48	436	-1.63	0.1030
IEE2PRS	Positive Response Scale IEE Y2	1.19	0.62	1.00	0.64	436	-3.03	0.0026
IEE2ASC	Appropriateness Score IEE Y2	3.72	0.68	3.65	0.80	436	-1.04	0.2978
IEE2ASCz	Appropriateness Score Standardized Y2	-0.00	0.71	0.08	0.33	426	1.33	0.1828
IEE2AS2	Appropriateness Score without Happiness Item IEE Y2	2.76	0.58	2.68	0.69	436	-1.19	0.2332
IEE2AS2z	Appropriateness Score Standardized without Happiness Item Y2	0.02	0.67	0.07	0.47	422	0.83	0.4072

## V. Recommendations for Use

Users of the *Interview on Emotional Experience* measure should note that there are reliability problems for almost every scale for both the normative and the high-risk control samples. Only one score, the *No Response Score*, showed an adequate internal reliability for both the normative ( $\alpha = .60$ ) and the high-risk control ( $\alpha = .69$ ) samples. The *Appropriateness Score* ( $\alpha = .61$ ) and the *Appropriateness Standardized Score* ( $\alpha = .62$ ) showed adequate internal reliability for the normative sample only. The reliabilities for the other scores for the normative sample ranged from  $-.06$  to  $.51$ . For the high-risk control sample, the reliabilities ranged from  $-.03$  to  $.53$ .

Analysts should note that three scores showed a normal distribution for both the normative and the high-risk control samples: the *Positive Response Scale*, the *Do Nothing Score*, and the *Prosocial Score*. The *Appropriateness Score*, the *Appropriateness Score Standardized*, the *Appropriateness Score without the Happiness Item*, and the *Appropriateness Score Standardized without the Happiness Item* were negatively skewed for both samples. All of the other scores were positively distributed for both the normative and the high-risk control samples.

A number of scores showed floor effects. They included: the *No Response Score* (with 66% of the high-risk control sample and 75% of the normative sample scoring a 0), the *Physical Aggression Score* (with 72% of the high-risk control sample and 75% of the normative sample scoring a 0), the *Verbal Aggression Score* (with 93% of the high-risk control sample and the 93% of the normative sample scoring a 0), the *Affective Display Score* (with 62% of the high-risk control sample and 54% of the normative sample scoring a 0), the *Communication with Peers Score* (with 91% of the high-risk control sample and 85% of

the normative sample scoring a 0), and the *Self-Control Score* (with 93% of the high-risk control sample and 90% of the normative sample scoring a 0).

The *Aggression Scale* also had floor effects for both samples. For the high-risk control sample, 66% of the sample scored a 0.0 on the scale, while 91% of the total sample scored 0.5 or lower. For the normative sample, 68% scored 0.0 while a total of 94% of the sample scored 0.5 or lower.

One score, the *Appropriateness Score*, showed a ceiling effect with 79% of the normative sample and 77% of the high-risk control sample scoring a 4. In addition, the means for the items in the *Appropriateness Score* (C2BEX1, C2BEX5, C2BEX11, and C2BEX17) were very close to 2.0 (the highest possible mean for an appropriateness item). The *Appropriateness Score without the Happiness Item*, showed a ceiling effect with 80% of the normative sample and 77% of the high-risk control sample scoring a 3.

In addition, it needs to be noted that a number of items in the scales and scores had a zero variation. Scales and scores affected by the zero variation for some items include the *Aggression Scale* (high-risk control and normative samples), the *Positive Response Scale* (high-risk control and normative samples), the *Communication Scale* (high-risk control sample only), the *Physical Aggression Score* (high-risk control and normative samples), the *Verbal Aggression Score* (high-risk control and normative samples), the *Self-Control Score* (high-risk control and normative samples), the *Avoidant/Passive Score* (high-risk control sample only), the *Communication with Peers Score* (high-risk control sample only), the *Do Nothing Score* (high-risk control sample only), the *Appropriateness Score* (high-risk control sample only), and the *Appropriateness Score Standardized* (high-risk control sample only).

**VI. Item and Scale Means and SDs**

IEE Items Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C2BEX1	Happy-item 1	360	1.986	0.117	1.000	2.000
C2BEX2	Happy-item 2	362	1.931	0.354	0.000	2.000
C2BEX3	Happy-item 3	362	7.348	2.400	0.000	9.000
C2BEX4	Happy-item 4	362	7.000	2.870	0.000	9.000
C2BEX5	Sad-item 5	352	1.986	0.119	1.000	2.000
C2BEX6	Sad-item 6	362	1.848	0.517	0.000	2.000
C2BEX7	Sad-item 7	362	4.989	2.804	0.000	9.000
C2BEX8	Sad-item 8	362	4.787	3.240	0.000	9.000
C2BEX9	Sad-item 9	362	7.077	1.986	0.000	9.000
C2BEX10	Sad-item 10	362	6.019	3.025	0.000	9.000
C2BEX11	Angry-item 11	348	1.983	0.130	1.000	2.000
C2BEX12	Angry-item 12	362	1.743	0.655	0.000	2.000
C2BEX13	Angry-item 13	361	3.873	2.872	0.000	9.000
C2BEX14	Angry-item 14	361	3.504	3.240	0.000	9.000
C2BEX15	Angry-item 15	361	6.194	2.515	0.000	9.000
C2BEX16	Angry-item 16	361	4.909	3.434	0.000	9.000
C2BEX17	Worried-item 17	324	1.972	0.165	1.000	2.000
C2BEX18	Worried-item 18	361	1.518	0.837	0.000	2.000
C2BEX19	Worried-item 19	362	5.006	2.915	0.000	9.000
C2BEX20	Worried-item 20	361	4.022	3.450	0.000	9.000
C2BEX21	Worried-item 21	361	6.410	2.663	0.000	9.000
C2BEX22	Worried-item 22	362	5.030	3.578	0.000	9.000

IEE Subscales Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
IEE2NRS	No Response score IEE Y2	365	0.447	0.935	0.000	6.000
IEE2PAG	Physical Aggression score IEE Y2	365	0.304	0.568	0.000	3.000
IEE2VAG	Verbal Aggression score IEE Y2	365	0.074	0.262	0.000	1.000
IEE2APS	Avoidant/Passive score IEE Y2	365	0.866	1.044	0.000	6.000
IEE2ADS	Affective Display score IEE Y2	365	0.795	1.079	0.000	5.000
IEE2CWA	Communication w/Adults score IEE Y2	365	0.701	1.001	0.000	5.000
IEE2CWP	Communication w/Peers score IEE Y2	365	0.173	0.426	0.000	2.000
IEE2SCS	Self-Control score IEE Y2	365	0.115	0.360	0.000	3.000
IEE2PSS	Prosocial score IEE Y2	365	2.203	1.159	0.000	6.000
IEE2DNS	Do Nothing score IEE Y2	365	1.258	1.097	0.000	4.000
IEE2AGG	Aggression Scale IEE Y2	365	0.189	0.305	0.000	1.500
IEE2PRS	Positive Response Scale IEE Y2	365	1.159	0.625	0.000	3.000
IEE2COM	Communication Scale IEE Y2	365	0.437	0.535	0.000	2.500
IEE2ASC	Appropriateness Score IEE Y2	365	3.723	0.644	0.000	4.000
IEE2ASCz	Appropriateness Score Standardized Y2	360	0.015	0.646	-7.291	0.155
IEE2AS2	Appropriateness Score without Happiness Item IEE Y2	365	2.751	0.560	0.000	3.000
IEE2AS2z	Appropriateness Score Standardized without Happiness Item Y2	358	0.025	0.641	-6.634	0.166

IEE Items Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C2BEX1	Happy-item 1	146	2.000	0.000	2.000	2.000
C2BEX2	Happy-item 2	147	1.871	0.486	0.000	2.000
C2BEX3	Happy-item 3	145	7.497	2.574	0.000	9.000
C2BEX4	Happy-item 4	145	6.683	3.261	0.000	9.000
C2BEX5	Sad-item 5	143	1.993	0.084	1.000	2.000
C2BEX6	Sad-item 6	147	1.769	0.642	0.000	2.000
C2BEX7	Sad-item 7	146	4.932	3.078	0.000	9.000
C2BEX8	Sad-item 8	146	4.281	3.538	0.000	9.000
C2BEX9	Sad-item 9	146	6.630	2.491	0.000	9.000
C2BEX10	Sad-item 10	146	5.363	3.486	0.000	9.000
C2BEX11	Angry-item 11	139	1.986	0.120	1.000	2.000
C2BEX12	Angry-item 12	147	1.701	0.706	0.000	2.000
C2BEX13	Angry-item 13	146	3.719	3.003	0.000	9.000
C2BEX14	Angry-item 14	146	3.137	3.224	0.000	9.000
C2BEX15	Angry-item 15	146	5.521	2.717	0.000	8.000
C2BEX16	Angry-item 16	146	4.534	3.518	0.000	8.000
C2BEX17	Worried-item 17	128	1.984	0.125	1.000	2.000
C2BEX18	Worried-item 18	146	1.432	0.886	0.000	2.000
C2BEX19	Worried-item 19	146	4.623	3.116	0.000	9.000
C2BEX20	Worried-item 20	146	3.466	3.563	0.000	9.000
C2BEX21	Worried-item 21	146	5.979	2.956	0.000	8.000
C2BEX22	Worried-item 22	146	4.637	3.646	0.000	9.000

IEE Subscales Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
IEE2NRS	No Response score IEE Y2	151	0.662	1.238	0.000	6.000
IEE2PAG	Physical Aggression score IEE Y2	151	0.364	0.668	0.000	4.000
IEE2VAG	Verbal Aggression score IEE Y2	151	0.079	0.295	0.000	2.000
IEE2APS	Avoidant/Passive score IEE Y2	151	0.940	1.179	0.000	6.000
IEE2ADS	Affective Display score IEE Y2	151	0.649	1.021	0.000	5.000
IEE2CWA	Communication w/Adults score IEE Y2	151	0.656	0.895	0.000	4.000
IEE2CWP	Communication w/Peers score IEE Y2	151	0.093	0.313	0.000	2.000
IEE2SCS	Self-Control score IEE Y2	151	0.066	0.250	0.000	1.000
IEE2PSS	Prosocial score IEE Y2	151	1.940	1.218	0.000	5.000
IEE2DNS	Do Nothing score IEE Y2	151	1.311	1.040	0.000	4.000
IEE2AGG	Aggression Scale IEE Y2	151	0.222	0.359	0.000	2.000
IEE2PRS	Positive Response Scale IEE Y2	151	1.003	0.636	0.000	2.500
IEE2COM	Communication Scale IEE Y2	151	0.374	0.484	0.000	2.000
IEE2ASC	Appropriateness Score IEE Y2	151	3.649	0.802	0.000	4.000
IEE2ASCz	Appropriateness Score Standardized Y2	146	0.080	0.332	-2.295	0.155
IEE2AS2	Appropriateness Score without Happiness Item IEE Y2	151	2.682	0.687	0.000	3.000
IEE2AS2z	Appropriateness Score Standardized without Happiness Item Y2	143	0.067	0.469	-3.496	0.166

## VII. Subscale Correlations

### IEE Subscales Report Sample

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations										
	IEE2NRS	IEE2PAG	IEE2VAG	IEE2APS	IEE2ADS	IEE2CWA	IEE2CWP	IEE2SCS	IEE2PSS	IEE2DNS
<b>IEE2NRS</b> No Response score IEE Y2	1.000 0.037 438	-0.099 0.037 438	-0.063 0.187 438	-0.043 0.374 438	-0.088 0.066 438	-0.111 0.020 438	-0.042 0.386 438	-0.105 0.028 438	-0.334 0.000 438	-0.162 0.001 438
<b>IEE2PAG</b> Physical Aggression score IEE Y2	-0.099 0.037 438	1.000 0.123 438	-0.074 0.123 438	-0.206 0.000 438	-0.011 0.816 438	-0.073 0.127 438	-0.013 0.779 438	-0.026 0.594 438	0.057 0.231 438	-0.147 0.002 438
<b>IEE2VAG</b> Verbal Aggression score IEE Y2	-0.063 0.187 438	-0.074 0.123 438	1.000 0.652 438	-0.022 0.652 438	-0.024 0.620 438	-0.078 0.102 438	0.037 0.437 438	-0.036 0.453 438	0.000 0.997 438	-0.005 0.915 438
<b>IEE2APS</b> Avoidant/Passive score IEE Y2	-0.043 0.374 438	-0.206 0.000 438	-0.022 0.652 438	1.000 0.000 438	-0.248 0.000 438	-0.133 0.005 438	-0.043 0.369 438	-0.077 0.110 438	-0.146 0.002 438	-0.143 0.003 438
<b>IEE2ADS</b> Affective Display score IEE Y2	-0.088 0.066 438	-0.011 0.816 438	-0.024 0.620 438	-0.248 0.000 438	1.000 0.283 438	0.051 0.283 438	-0.102 0.032 438	-0.106 0.026 438	-0.121 0.011 438	-0.403 0.000 438
<b>IEE2CWA</b> Communication w/Adults score IEE Y2	-0.111 0.020 438	-0.073 0.127 438	-0.078 0.102 438	-0.133 0.005 438	0.051 0.283 438	1.000 0.664 438	-0.021 0.664 438	-0.097 0.042 438	-0.416 0.000 438	-0.108 0.023 438
<b>IEE2CWP</b> Communication w/Peers score IEE Y2	-0.042 0.386 438	-0.013 0.779 438	0.037 0.437 438	-0.043 0.369 438	-0.102 0.032 438	-0.021 0.664 438	1.000 0.344 438	0.045 0.344 438	-0.060 0.212 438	-0.089 0.063 438
<b>IEE2SCS</b> Self-Control score IEE Y2	-0.105 0.028 438	-0.026 0.594 438	-0.036 0.453 438	-0.077 0.110 438	-0.106 0.026 438	-0.097 0.042 438	0.045 0.344 438	1.000 0.438 438	0.120 0.012 438	-0.044 0.363 438
<b>IEE2PSS</b> Prosocial score IEE Y2	-0.334 0.000 438	0.057 0.231 438	0.000 0.997 438	-0.146 0.002 438	-0.121 0.011 438	-0.416 0.000 438	-0.060 0.212 438	0.120 0.012 438	1.000 0.012 438	0.044 0.353 438
<b>IEE2DNS</b> Do Nothing score IEE Y2	-0.162 0.001 438	-0.147 0.002 438	-0.005 0.915 438	-0.143 0.003 438	-0.403 0.000 438	-0.108 0.023 438	-0.089 0.063 438	-0.044 0.363 438	0.044 0.353 438	1.000 0.000 438
<b>IEE2AGG</b> Aggression Scale IEE Y2	-0.120 0.012 438	0.904 0.000 438	0.359 0.000 438	-0.202 0.000 438	-0.021 0.668 438	-0.102 0.033 438	0.003 0.945 438	-0.039 0.412 438	0.054 0.261 438	-0.140 0.003 438
<b>IEE2PRS</b> Positive Response Scale IEE Y2	-0.339 0.000 438	0.046 0.333 438	-0.010 0.841 438	-0.157 0.001 438	-0.142 0.003 438	-0.413 0.000 438	-0.043 0.367 438	0.384 0.000 438	0.963 0.000 438	0.029 0.538 438
<b>IEE2COM</b> Communication Scale IEE Y2	-0.119 0.013 438	-0.073 0.126 438	-0.059 0.219 438	-0.141 0.003 438	0.009 0.851 438	0.925 0.000 438	0.361 0.000 438	-0.073 0.126 438	-0.410 0.000 438	-0.135 0.005 438
<b>IEE2ASC</b> Appropriateness Score IEE Y2	-0.327 0.000 438	0.053 0.269 438	0.057 0.231 438	0.081 0.091 438	0.063 0.190 438	0.096 0.045 438	0.045 0.346 438	0.073 0.128 438	0.287 0.000 438	0.200 0.000 438
<b>IEE2ASCz</b> Appropriateness Score Standardized Y2	-0.097 0.044 428	-0.050 0.299 428	0.053 0.270 428	0.037 0.440 428	0.028 0.568 428	0.002 0.970 428	-0.051 0.293 428	0.019 0.688 428	-0.003 0.959 428	0.046 0.345 428



Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations										
	IEE2NRS	IEE2PAG	IEE2VAG	IEE2APS	IEE2ADS	IEE2CWA	IEE2CWP	IEE2SCS	IEE2PSS	IEE2DNS
<b>IEE2AS2</b> Appropriateness Score without Happiness Item IEE Y2	-0.393 0.000 438	0.066 0.167 438	0.053 0.269 438	0.069 0.147 438	0.050 0.293 438	0.105 0.028 438	0.042 0.382 438	0.080 0.094 438	0.294 0.000 438	0.188 0.000 438
<b>IEE2AS2z</b> Appropriateness Score Standardized without Happiness Item Y2	-0.154 0.001 424	0.002 0.959 424	0.055 0.255 424	0.043 0.376 424	0.017 0.726 424	0.021 0.670 424	-0.060 0.218 424	0.008 0.862 424	0.031 0.520 424	0.023 0.643 424

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations							
	IEE2AGG	IEE2PRS	IEE2COM	IEE2ASC	IEE2ASCz	IEE2AS2	IEE2AS2z
<b>IEE2NRS</b> No Response score IEE Y2	-0.120 0.012 438	-0.339 0.000 438	-0.119 0.013 438	-0.327 0.000 438	-0.097 0.044 428	-0.393 0.000 438	-0.154 0.001 424
<b>IEE2PAG</b> Physical Aggression score IEE Y2	0.904 0.000 438	0.046 0.333 438	-0.073 0.126 438	0.053 0.269 438	-0.050 0.299 428	0.066 0.167 438	0.002 0.959 424
<b>IEE2VAG</b> Verbal Aggression score IEE Y2	0.359 0.000 438	-0.010 0.841 438	-0.059 0.219 438	0.057 0.231 438	0.053 0.270 428	0.053 0.269 438	0.055 0.255 424
<b>IEE2APS</b> Avoidant/Passive score IEE Y2	-0.202 0.000 438	-0.157 0.001 438	-0.141 0.003 438	0.081 0.091 438	0.037 0.440 428	0.069 0.147 438	0.043 0.376 424
<b>IEE2ADS</b> Affective Display score IEE Y2	-0.021 0.668 438	-0.142 0.003 438	0.009 0.851 438	0.063 0.190 438	0.028 0.568 428	0.050 0.293 438	0.017 0.726 424
<b>IEE2CWA</b> Communication w/Adults score IEE Y2	-0.102 0.033 438	-0.413 0.000 438	0.925 0.000 438	0.096 0.045 438	0.002 0.970 428	0.105 0.028 438	0.021 0.670 424
<b>IEE2CWP</b> Communication w/Peers score IEE Y2	0.003 0.945 438	-0.043 0.367 438	0.361 0.000 438	0.045 0.346 438	-0.051 0.293 428	0.042 0.382 438	-0.060 0.218 424
<b>IEE2SCS</b> Self-Control score IEE Y2	-0.039 0.412 438	0.384 0.000 438	-0.073 0.126 438	0.073 0.128 438	0.019 0.688 428	0.080 0.094 438	0.008 0.862 424
<b>IEE2PSS</b> Prosocial score IEE Y2	0.054 0.261 438	0.963 0.000 438	-0.410 0.000 438	0.287 0.000 438	-0.003 0.959 428	0.294 0.000 438	0.031 0.520 424
<b>IEE2DNS</b> Do Nothing score IEE Y2	-0.140 0.003 438	0.029 0.538 438	-0.135 0.005 438	0.200 0.000 438	0.046 0.345 428	0.188 0.000 438	0.023 0.643 424
<b>IEE2AGG</b> Aggression Scale IEE Y2	1.000 438	0.039 0.412 438	-0.094 0.050 438	0.074 0.121 438	-0.024 0.618 428	0.085 0.077 438	0.026 0.591 424
<b>IEE2PRS</b> Positive Response Scale IEE Y2	0.039 0.412 438	1.000 438	-0.402 0.000 438	0.286 0.000 438	0.003 0.948 428	0.296 0.000 438	0.031 0.519 424
<b>IEE2COM</b> Communication Scale IEE Y2	-0.094 0.050 438	-0.402 0.000 438	1.000 438	0.107 0.026 438	-0.018 0.712 428	0.114 0.017 438	-0.004 0.940 424

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations							
	IEE2AGG	IEE2PRS	IEE2COM	IEE2ASC	IEE2ASCz	IEE2AS2	IEE2AS2z
<b>IEE2ASC</b> Appropriateness Score IEE Y2	0.074 0.121 438	0.286 0.000 438	0.107 0.026 438	1.000  438	0.624 0.000 428	0.978 0.000 438	0.646 0.000 424
<b>IEE2ASCz</b> Appropriateness Score Standardized Y2	-0.024 0.618 428	0.003 0.948 428	-0.018 0.712 428	0.624 0.000 428	1.000  428	0.510 0.000 428	0.924 0.000 424
<b>IEE2AS2</b> Appropriateness Score without Happiness Item IEE Y2	0.085 0.077 438	0.296 0.000 438	0.114 0.017 438	0.978 0.000 438	0.510 0.000 428	1.000  438	0.609 0.000 424
<b>IEE2AS2z</b> Appropriateness Score Standardized without Happiness Item Y2	0.026 0.591 424	0.031 0.519 424	-0.004 0.940 424	0.646 0.000 424	0.924 0.000 424	0.609 0.000 424	1.000  424