Normative Beliefs about Aggression
Grade 4/Year 5
Fast Track Project Technical Report
Cynthia Rains
March 26, 2003

Table of Contents

Appendix
SAS scoring program

Citations
Instrument
        Huesmann, L.R. and Guerra, N.G. (1997). Children's normative beliefs about aggression and aggressive behavior. *Journal of Personality and Social Psychology, 72*, 408-419.

Reference
        Huesmann, L.R., Guerra, N.G., Miller, L.S., and Zelli, A. (1992). The role of social norms in the development of aggressive behavior. In A. Fraczek and H. Zumkley (Eds.), *Socialization and Aggression* (pps.139-152). New York, Springer.

Reports
        Rains, C. (2003). *Normative Beliefs about Aggression* (Fast Track Project Technical Report). Available: http://www.fasttrackproject.org

        Harnish, J. (1995). *Normative Beliefs about Aggression Scale* (Fast Track Project Technical Report). Nashville, TN: Vanderbilt University.

Data Sources
Raw: C5H

Scored: NBA5

I. Scale Description

Guerra and Huesmann (1992) developed the Normative Beliefs about Aggression measure (NOBAG) as a measure for assessing a child's beliefs about the acceptability of specific aggressive behaviors in specific contexts. The 20 items vary along the dimensions of severity of provocation, severity of response, gender of provoker, and gender of responder. The first eight items are brief scenarios where child A is verbally aggressive ("says something bad") to another child (B); these scenarios vary by the gender of the children involved (same sex and opposite sex). Following each of these scenarios, the interviewer first asks the respondent if it is wrong or okay for B to respond with verbal aggression (screaming) toward A and then asks the respondent if it is wrong or okay for B to respond with physical aggression (hitting).

For example, the first scenario is, "Suppose a boy says something bad to another boy, John." Item 1 then asks the respondent, "Do you think it's ok for John to scream at him?" Item 2 asks,

1

"Do you think it's ok for John to hit him?" Items 3 and 4 involve a boy saying something bad to a girl, items 5 and 6 involve two girls, and items 7 and 8 involve a girl saying something bad to a boy. Items 2 through 8 use the same pattern of questioning as with 1 and 2 with one exception: the same sex items begin with the phrase "do you think it's ok?" while items involving children of the opposite sex begin with the phrase "do you think it's wrong?"

For the next four items, 9 through 12, the interviewer presents the respondent with four versions of the same scenario (child A hits child B); the scenarios vary by the gender of the children involved (two same sex, two opposite sex). The interviewer then asks the respondent if it is wrong to hit the child of the same sex or if it is okay to hit the child of the opposite sex.

The last eight items do not include any scenarios describing a provocative action and instead ask the respondent how wrong or okay it is to act physically or verbally aggressive in general. No gender is specified.

Ten of the 20 statements/questions are read with the reverse statement "it is wrong," while the other 10 statements/questions are read with the statement "it is okay."

II.   Report Sample

These exploratory analyses were conducted on the first cohort on the high-risk control sample (N = 155) and the normative sample (N = 387, 463 with overlap) from the fifth year of the study. 55 records were missing the complete measure. 19 records were missing from the control sample (7 from Durham, 1 from Nashville, 7 from Pennsylvania, and 4 from Washington) and 46 records were missing from the normative sample (11 from Durham, 10 from Nashville, 15 from Pennsylvania, and 10 from Washington). These numbers may reflect some overlap between the two samples.

III.   Scaling

The Normative Beliefs about Aggression measure is first scored by rescoring each item in order to correspond with the scoring system used by Guerra and Huesmann. The rescoring occurs as follows:

Original Score	New Score
0 = Perfectly OK	4 = Perfectly OK
1 = Sort of OK	3 = Sort of OK
2 = Sort of Wrong	2 = Sort of Wrong
3 = Really Wrong	1 = Really Wrong

The ten items whose wording includes "it is wrong" are reverse-scored in the measure itself, still using the same scale so that 1 = Really Wrong and 4 = Perfectly OK. These items are 3, 4, 7, 8, 9, 11-13, and 17-19.

Seven derived subscales (some with overlapping items) are created by calculating the mean of the items included in the subscale. The subscales are as follows:

Subscales	Items	Description
NBA5TAM	1-20	Total Approval of Aggression
NBA5GAM	13-20	General Approval of Aggression
NBA5APR	1-12	Approval of Retaliation
NBA5ARW	1-8	Approval of Retaliation, Weak Provocation
NBA5ARS	9-12	Approval of Retaliation, Strong Provocation
NBA5ARM	1-4, 9, 10	Approval of Retaliation Against Males
NBA5ARF	5-8, 11, 12	Approval of Retaliation Against Females

For each subscale, means range from 1 to 4, with higher means indicating greater endorsement of the acceptability of aggression.

In addition to these subscales, logarithmic transformations are calculated for each subscale to help deal with skewness. The new logarithmic transformation variables are as follows:

Original Subscale Variable	Logarithmic Subscale	Description
NBA5TAM	NBA5TAL	Total Approval of Aggression LOG
NBA5GAM	NBA5GAL	General Approval of Aggression LOG
NBA5APR	NBA5ARL	Approval of Retaliation LOG
NBA5ARW	NBA5AWL	Approval of Retaliation, Weak Provocation LOG
NBA5ARS	NBA5ASL	Approval of Retaliation, Strong Provocation LOG
NBA5ARM	NBA5AML	Approval of Retaliation Against Males LOG
NBA5ARF	NBA5AFL	Approval of Retaliation Against Females LOG

Cronbach's alphas were calculated for each subscale and are reported as follows:

Subscales	Control Sample	Normative Sample
NBA5TAM	.88	.87
NBA5GAM	.75	.78
NBA5APR	.86	.85
NBA5ARW	.82	.78
NBA5ARS	.82	.81
NBA5ARM	.79	.77
NBA5ARF	.75	.71

All of the subscales showed a high level of internal consistency for both the control and the normative samples.

IV.   Differences between Groups

A series of t-tests between the high-risk control sample and the normative sample (including the overlap) indicated no significant differences for any of the subscales. The t-tests also indicated no significant differences for any of the logarithmic subscales as well.

Normative Beliefs about Aggression--Subscales
The TTEST Procedure

Variable	Normative Sample		Control Sample		DF	t Value	Pr > |t|
	Mean	Std Dev	Mean	Std Dev			
Total Approval of Aggression (NBA4TAM)	1.49	0.40	1.53	0.44	406	1.01	0.3133
General Approval of Aggression (NBA5GAM)	1.25	0.35	1.27	0.35	405	0.64	0.5250
Approval of Retaliation (NBA5APR)	1.65	0.51	1.70	0.57	406	0.96	0.3357
Approval of Retaliation, Weak Provocation (NBA5ARW)	1.58	0.48	1.61	0.55	406	0.58	0.5638
Approval of Retaliation, Strong Provocation (NBA5ARS)	1.78	0.77	1.89	0.86	406	1.20	0.2307
Approval of Retaliation Against Males (NBA5ARM)	1.73	0.60	1.85	0.70	406	1.74	0.0821
Approval of Retaliation Against Females (NBA5ARF)	1.56	0.50	1.55	0.54	406	-0.17	0.8684
Total Approval of Aggression LOG (NAB5TAL)	0.36	0.25	0.39	0.27	406	0.91	0.3612
General Approval of Aggression LOG (NBA5GAL)	0.19	0.23	0.21	0.24	405	0.76	0.4503
Approval of Retaliation LOG (NBA5ARL)	0.45	0.30	0.48	0.32	406	0.80	0.4261
Approval of Retaliation, Weak Provocation LOG (NBA5AWL)	0.41	0.29	0.42	0.31	406	0.37	0.7153
Approval of Retaliation, Strong Provocation LOG (NBA5ASL)	0.49	0.42	0.53	0.45	406	0.99	0.3215
Approval of Retaliation Against Males LOG (NBA5AML)	0.49	0.34	0.55	0.37	406	1.53	0.1265
Approval of Retaliation Against Females LOG (NBA5AFL)	0.40	0.30	0.39	0.31	406	-0.32	0.7478

V. <u>Recommendations for Use</u>

Analysts should note that four of the subscales showed a fairly normal distribution for both the normative and control samples. These subscales were *Approval of Retaliation, Approval of Retaliation with a Weak Provocation, Approval of Retaliation with a Strong Provocation, and Approval of Retaliation against Males.* Both the normative and the control samples were positively skewed for the *Total Approval of Aggression, General Approval of Aggression,* and *Approval of Retaliation against Females.*

One subscale, *General Approval of Aggression*, indicated a floor effect for both the normative and the control samples. 85% of the normative sample and 83% of the control sample had responses score between 1.0 and 1.5 (4.0 was the highest possible score).

In addition, analysts should note that six of the logarithmic subscales were normally distributed for both the normative and control samples. Only one subscale, *General Approval of Aggression LOG*, was positively skewed for both samples.

VI. Item and Subscale Means and SDs

Normative Beliefs about Aggression Items Year 5 Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5H1r	OK for John to scream?	341	1.7859238	0.8700447	1.0000000	4.0000000
C5H2r	OK for John to hit?	341	1.1906158	0.5275079	1.0000000	4.0000000
C5H3r	Wrong for girl to scream?	340	2.1529412	1.0161630	1.0000000	4.0000000
C5H4r	Wrong for girl to hit?	341	1.4516129	0.8444483	1.0000000	4.0000000
C5H5r	OK for Mary to scream?	341	1.8768328	0.9055823	1.0000000	4.0000000
C5H6r	OK for Mary to hit?	340	1.2823529	0.6446835	1.0000000	4.0000000
C5H7r	Wrong for boy to scream?	341	1.6950147	0.8085599	1.0000000	4.0000000
C5H8r	Wrong for boy to hit?	340	1.1441176	0.4794855	1.0000000	4.0000000
C5H9r	Wrong for John to hit back?	341	1.8299120	1.0263225	1.0000000	4.0000000
C5H10r	OK for girl to hit back?	341	2.0733138	1.1235018	1.0000000	4.0000000
C5H11r	Wrong for Mary to hit her back?	341	1.8475073	1.0001035	1.0000000	4.0000000
C5H12r	Wrong for boy to hit her back?	341	1.4897361	0.8210719	1.0000000	4.0000000
C5H13r	Wrong to hit other people?	340	1.2176471	0.5318585	1.0000000	4.0000000
C5H14r	OK to say mean things when angry?	340	1.4411765	0.7036012	1.0000000	4.0000000
C5H15r	OK to yell at others?	340	1.3147059	0.5626698	1.0000000	4.0000000
C5H16r	OK to push or shove other people?	339	1.1917404	0.4820349	1.0000000	4.0000000
C5H17r	Wrong to insult other people?	340	1.2794118	0.6155696	1.0000000	4.0000000
C5H18r	Wrong to take it out on others?	340	1.2411765	0.5272054	1.0000000	4.0000000
C5H19r	Wrong to get in physical fights?	340	1.1823529	0.5450072	1.0000000	4.0000000
C5H20r	OK to use physical force?	340	1.1411765	0.4453083	1.0000000	4.0000000

Normative Beliefs about Aggression Log Subscales Year 5 Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NBA5TAL	NOBAG Total Approval of Aggression LOG	341	0.3666750	0.2563187	0	1.2527630
NBA5GAL	NOBAG General Approval of Aggression LOG	340	0.1947006	0.2303667	0	1.2878543
NBA5ARL	NOBAG Approval of Retaliate LOG	341	0.4539993	0.3077391	0	1.2286654
NBA5AWL	NOBAG Approval Retaliat Weak Prov LOG	341	0.4071004	0.2991675	0	1.1786550
NBA5ASL	NOBAG Approval Retaliat Strong Prov LOG	341	0.4999789	0.4304429	0	1.3862944
NBA5AML	NOBAG Approval Retaliat vs. Males LOG	341	0.4974919	0.3464728	0	1.3862944
NBA5AFL	NOBAG Approval Retaliat vs. Females LOG	341	0.3937374	0.3073411	0	1.2527630

Normative Beliefs about Aggression Subscales Year 5 Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NBA5TAM	NOBAG Total Approval of Aggression	341	1.4926738	0.4073767	1.0000000	3.5000000
NBA5GAM	NOBAG General Approval of Aggression	340	1.2513655	0.3462927	1.0000000	3.6250000
NBA5APR	NOBAG Approval of Retaliation	341	1.6519817	0.5264393	1.0000000	3.4166667
NBA5ARW	NOBAG Approval Retaliate Weak Provocation	341	1.5726330	0.4921574	1.0000000	3.2500000
NBA5ARS	NOBAG Approval Retaliate Strong Provocation	341	1.8101173	0.8007673	1.0000000	4.0000000
NBA5ARM	NOBAG Approval Retaliate vs. Males	341	1.7478006	0.6290354	1.0000000	4.0000000
NBA5ARF	NOBAG Approval Retaliate vs. Females	341	1.5565005	0.5088571	1.0000000	3.5000000

Normative Beliefs about Aggression Items Year 5 Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5H1r	OK for John to scream?	136	1.8382353	0.9207130	1.0000000	4.0000000
C5H2r	OK for John to hit?	136	1.2720588	0.6718345	1.0000000	4.0000000
C5H3r	Wrong for girl to scream?	135	2.2444444	1.0399962	1.0000000	4.0000000
C5H4r	Wrong for girl to hit?	136	1.5147059	0.8943054	1.0000000	4.0000000
C5H5r	OK for Mary to scream?	136	1.8897059	0.9162952	1.0000000	4.0000000
C5H6r	OK for Mary to hit?	136	1.3235294	0.6653582	1.0000000	4.0000000
C5H7r	Wrong for boy to scream?	136	1.6397059	0.8491634	1.0000000	4.0000000
C5H8r	Wrong for boy to hit?	136	1.1250000	0.3739182	1.0000000	3.0000000
C5H9r	Wrong for John to hit back?	136	2.0147059	1.1220701	1.0000000	4.0000000
C5H10r	OK for girl to hit back?	136	2.1911765	1.2202896	1.0000000	4.0000000
C5H11r	Wrong for Mary to hit her back?	136	1.9264706	1.0861577	1.0000000	4.0000000
C5H12r	Wrong for boy to hit her back?	136	1.4117647	0.7743154	1.0000000	4.0000000
C5H13r	Wrong to hit other people?	135	1.2074074	0.5742782	1.0000000	4.0000000
C5H14r	OK to say mean things when angry?	135	1.4740741	0.7414148	1.0000000	4.0000000
C5H15r	OK to yell at others?	135	1.2814815	0.5132840	1.0000000	4.0000000
C5H16r	OK to push or shove other people?	135	1.2296296	0.5174671	1.0000000	4.0000000
C5H17r	Wrong to insult other people?	135	1.2740741	0.5913510	1.0000000	4.0000000
C5H18r	Wrong to take it out on others?	135	1.2074074	0.5197057	1.0000000	4.0000000
C5H19r	Wrong to get in physical fights?	135	1.2740741	0.6627580	1.0000000	4.0000000
C5H20r	OK to use physical force?	135	1.2074074	0.5476721	1.0000000	4.0000000

Normative Beliefs about Aggression Log Subscales Year 5 Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NBA5TAL	NOBAG Total Approval of Aggression LOG	136	0.3878481	0.2682397	0	1.1786550
NBA5GAL	NOBAG General Approval of Aggression LOG	135	0.2079717	0.2365697	0	1.1786550
NBA5ARL	NOBAG Approval of Retaliate LOG	136	0.4781870	0.3206950	0	1.2527630
NBA5AWL	NOBAG Approval Retaliat Weak Prov LOG	136	0.4225487	0.3148672	0	1.2163953
NBA5ASL	NOBAG Approval Retaliat Strong Prov LOG	136	0.5346147	0.4470920	0	1.3862944
NBA5AML	NOBAG Approval Retaliat vs. Males LOG	136	0.54464390	0.3650020	0	1.3862944
NBA5AFL	NOBAG Approval Retaliat vs. Females LOG	136	0.3882148	0.3148132	0	1.2527630

Normative Beliefs about Aggression Subscales Year 5 Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NBA5TAM	NOBAG Total Approval of Aggression	136	1.5298504	0.4442632	1.0000000	3.2500000
NBA5GAM	NOBAG General Approval of Aggression	135	1.2694444	0.3528491	1.0000000	3.2500000
NBA5APR	NOBAG Approval of Retaliation	136	1.6996992	0.5729639	1.0000000	3.5000000
NBA5ARW	NOBAG Approval Retaliate Weak Provocation	136	1.6064863	0.5494294	1.0000000	3.3750000
NBA5ARS	NOBAG Approval Retaliate Strong Provocation	136	1.8860294	0.8584372	1.0000000	4.0000000
NBA5ARM	NOBAG Approval Retaliate vs. Males	136	1.8468137	0.6980440	1.0000000	4.0000000
NBA5ARF	NOBAG Approval Retaliate vs. Females	136	1.5526961	0.5362199	1.0000000	3.5000000

VII. Item and Scale Correlations

Normative Beliefs about Aggression Items Year 5 Report Sample

						Pearson Correlation Coefficients, N = 403 Prob > |r| under H0: Rho=0					
	C5H1r	**C5H2r**	**C5H3r**	**C5H4r**	**C5H5r**	**C5H6r**	**C5H7r**	**C5H8r**	**C5H9r**	**C5H10r**	**C5H11r**
C5H1r OK for John to scream?	1.00000	0.30902 <.0001	0.41017 <.0001	0.22955 <.0001	0.60104 <.0001	0.21044 <.0001	0.52094 <.0001	0.04888 0.3277	0.31646 <.0001	0.29072 <.0001	0.30398 <.0001
C5H2r OK for John to hit?	0.30902 <.0001	1.00000	0.23310 <.0001	0.43936 <.0001	0.30803 <.0001	0.51804 <.0001	0.27782 <.0001	0.38169 <.0001	0.35609 <.0001	0.30180 <.0001	0.22857 <.0001
C5H3r Wrong for girl to scream?	0.41017 <.0001	0.23310 <.0001	1.00000	0.38689 <.0001	0.47851 <.0001	0.18351 0.0002	0.37949 <.0001	0.11003 0.0272	0.32527 <.0001	0.38943 <.0001	0.31836 <.0001
C5H4r Wrong for girl to hit?	0.22955 <.0001	0.43936 <.0001	0.38689 <.0001	1.00000	0.24249 <.0001	0.49240 <.0001	0.17991 0.0003	0.28135 <.0001	0.41370 <.0001	0.45693 <.0001	0.25502 <.0001
C5H5r OK for Mary to scream?	0.60104 <.0001	0.30803 <.0001	0.47851 <.0001	0.24249 <.0001	1.00000	0.30943 <.0001	0.58604 <.0001	0.07708 0.1224	0.32515 <.0001	0.32703 <.0001	0.39126 <.0001
C5H6r OK for Mary to hit?	0.21044 <.0001	0.51804 <.0001	0.18351 0.0002	0.49240 <.0001	0.30943 <.0001	1.00000	0.25227 <.0001	0.28721 <.0001	0.35598 <.0001	0.33234 <.0001	0.22299 <.0001
C5H7r Wrong for boy to scream?	0.52094 <.0001	0.27782 <.0001	0.37949 <.0001	0.17991 0.0003	0.58604 <.0001	0.25227 <.0001	1.00000	0.25005 <.0001	0.28408 <.0001	0.24092 <.0001	0.36660 <.0001
C5H8r Wrong for boy to hit?	0.04888 0.3277	0.38169 <.0001	0.11003 0.0272	0.28135 <.0001	0.07708 0.1224	0.28721 <.0001	0.25005 <.0001	1.00000	0.20081 <.0001	0.13251 0.0077	0.13444 0.0069
C5H9r Wrong for John to hit back?	0.31646 <.0001	0.35609 <.0001	0.32527 <.0001	0.41370 <.0001	0.32515 <.0001	0.35598 <.0001	0.28408 <.0001	0.20081 <.0001	1.00000	0.67147 <.0001	0.62673 <.0001
C5H10r OK for girl to hit back?	0.29072 <.0001	0.30180 <.0001	0.38943 <.0001	0.45693 <.0001	0.32703 <.0001	0.33234 <.0001	0.24092 <.0001	0.13251 0.0077	0.67147 <.0001	1.00000	0.57846 <.0001
C5H11r Wrong for Mary to hit her back?	0.30398 <.0001	0.22857 <.0001	0.31836 <.0001	0.25502 <.0001	0.39126 <.0001	0.22299 <.0001	0.36660 <.0001	0.13444 0.0069	0.62673 <.0001	0.57846 <.0001	1.00000
C5H12r Wrong for boy to hit her back?	0.19074 0.0001	0.23590 <.0001	0.11253 0.0239	0.17174 0.0005	0.25149 <.0001	0.23791 <.0001	0.28006 <.0001	0.29969 <.0001	0.39512 <.0001	0.33335 <.0001	0.42059 <.0001
C5H13r Wrong to hit other people?	0.23915 <.0001	0.29504 <.0001	0.18618 0.0002	0.23892 <.0001	0.31194 <.0001	0.25368 <.0001	0.21988 <.0001	0.26318 <.0001	0.29346 <.0001	0.26155 <.0001	0.29390 <.0001
C5H14r OK to say mean things when angry?	0.30975 <.0001	0.13668 0.0060	0.15196 0.0022	0.22667 <.0001	0.30821 <.0001	0.23207 <.0001	0.20585 <.0001	0.15277 0.0021	0.19955 <.0001	0.17531 0.0004	0.24549 <.0001
C5H15r OK to yell at others?	0.27045 <.0001	0.24510 <.0001	0.16507 0.0009	0.26878 <.0001	0.27779 <.0001	0.32581 <.0001	0.26401 <.0001	0.31427 <.0001	0.24767 <.0001	0.18763 0.0002	0.22885 <.0001
C5H16r OK to push or shove other people?	0.15302 0.0021	0.22207 <.0001	0.06050 0.2256	0.21806 <.0001	0.16199 0.0011	0.28375 <.0001	0.23774 <.0001	0.26963 <.0001	0.25253 <.0001	0.13458 0.0068	0.11069 0.0263
C5H17r Wrong to insult other people?	0.19709 <.0001	0.15191 0.0022	0.16924 0.0006	0.25521 <.0001	0.20928 <.0001	0.29331 <.0001	0.24348 <.0001	0.25587 <.0001	0.24879 <.0001	0.13968 0.0050	0.21519 <.0001
C5H18r Wrong to take it out on others?	0.21683 <.0001	0.19083 0.0001	0.06275 0.2088	0.21857 <.0001	0.25314 <.0001	0.26603 <.0001	0.22401 <.0001	0.34668 <.0001	0.18538 0.0002	0.15820 0.0014	0.13578 0.0063
C5H19r Wrong to get in physical fights?	0.26995 <.0001	0.38565 <.0001	0.22944 <.0001	0.30894 <.0001	0.25482 <.0001	0.29901 <.0001	0.21266 <.0001	0.27393 <.0001	0.36055 <.0001	0.26355 <.0001	0.22682 <.0001
C5H20r OK to use physical force?	0.21002 <.0001	0.24018 <.0001	0.00892 0.8583	0.17959 0.0003	0.14105 0.0046	0.24036 <.0001	0.06068 0.2242	0.11947 0.0164	0.20338 <.0001	0.07445 0.1357	0.10538 0.0344

	C5H12r	C5H13r	C5H14r	C5H15r	C5H16r	C5H17r	C5H18r	C5H19r	C5H20r
Pearson Correlation Coefficients, N = 403 Prob > |r| under H0: Rho=0									
C5H1r OK for John to scream?	0.19074 0.0001	0.23915 <.0001	0.30975 <.0001	0.27045 <.0001	0.15302 0.0021	0.19709 <.0001	0.21683 <.0001	0.26995 <.0001	0.21002 <.0001
C5H2r OK for John to hit?	0.23590 <.0001	0.29504 <.0001	0.13668 0.0060	0.24510 <.0001	0.22207 <.0001	0.15191 0.0022	0.19083 0.0001	0.38565 <.0001	0.24018 <.0001
C5H3r Wrong for girl to scream?	0.11253 0.0239	0.18618 0.0002	0.15196 0.0022	0.16507 0.0009	0.06050 0.2256	0.16924 0.0006	0.06275 0.2088	0.22944 <.0001	0.00892 0.8583
C5H4r Wrong for girl to hit?	0.17174 0.0005	0.23892 <.0001	0.22667 <.0001	0.26878 <.0001	0.21806 <.0001	0.25521 <.0001	0.21857 <.0001	0.30894 <.0001	0.17959 0.0003
C5H5r OK for Mary to scream?	0.25149 <.0001	0.31194 <.0001	0.30821 <.0001	0.27779 <.0001	0.16199 0.0011	0.20928 <.0001	0.25314 <.0001	0.25482 <.0001	0.14105 0.0046
C5H6r OK for Mary to hit?	0.23791 <.0001	0.25368 <.0001	0.23207 <.0001	0.32581 <.0001	0.28375 <.0001	0.29331 <.0001	0.26603 <.0001	0.29901 <.0001	0.24036 <.0001
C5H7r Wrong for boy to scream?	0.28006 <.0001	0.21988 <.0001	0.20585 <.0001	0.26401 <.0001	0.23774 <.0001	0.24348 <.0001	0.22401 <.0001	0.21266 <.0001	0.06068 0.2242
C5H8r Wrong for boy to hit?	0.29969 <.0001	0.26318 <.0001	0.15277 0.0021	0.31427 <.0001	0.26963 <.0001	0.25587 <.0001	0.34668 <.0001	0.27393 <.0001	0.11947 0.0164
C5H9r Wrong for John to hit back?	0.39512 <.0001	0.29346 <.0001	0.19955 <.0001	0.24767 <.0001	0.25253 <.0001	0.24879 <.0001	0.18538 0.0002	0.36055 <.0001	0.20338 <.0001
C5H10r OK for girl to hit back?	0.33335 <.0001	0.26155 <.0001	0.17531 0.0004	0.18763 0.0002	0.13458 0.0068	0.13968 0.0050	0.15820 0.0014	0.26355 <.0001	0.07445 0.1357
C5H11r Wrong for Mary to hit her back?	0.42059 <.0001	0.29390 <.0001	0.24549 <.0001	0.22885 <.0001	0.11069 0.0263	0.21519 <.0001	0.13578 0.0063	0.22682 <.0001	0.10538 0.0344
C5H12r Wrong for boy to hit her back?	1.00000	0.26130 <.0001	0.08872 0.0752	0.36140 <.0001	0.20755 <.0001	0.17025 0.0006	0.21651 <.0001	0.17781 0.0003	0.10755 0.0309
C5H13r Wrong to hit other people?	0.26130 <.0001	1.00000	0.32995 <.0001	0.34141 <.0001	0.33812 <.0001	0.25274 <.0001	0.37027 <.0001	0.31820 <.0001	0.10531 0.0346
C5H14r OK to say mean things when angry?	0.08872 0.0752	0.32995 <.0001	1.00000	0.37234 <.0001	0.31307 <.0001	0.22055 <.0001	0.38616 <.0001	0.35138 <.0001	0.19611 <.0001
C5H15r OK to yell at others?	0.36140 <.0001	0.34141 <.0001	0.37234 <.0001	1.00000	0.39049 <.0001	0.30264 <.0001	0.41338 <.0001	0.28505 <.0001	0.25906 <.0001
C5H16r OK to push or shove other people?	0.20755 <.0001	0.33812 <.0001	0.31307 <.0001	0.39049 <.0001	1.00000	0.29740 <.0001	0.42720 <.0001	0.31357 <.0001	0.24988 <.0001
C5H17r Wrong to insult other people?	0.17025 0.0006	0.25274 <.0001	0.22055 <.0001	0.30264 <.0001	0.29740 <.0001	1.00000	0.35177 <.0001	0.30169 <.0001	0.19845 <.0001
C5H18r Wrong to take it out on others?	0.21651 <.0001	0.37027 <.0001	0.38616 <.0001	0.41338 <.0001	0.42720 <.0001	0.35177 <.0001	1.00000	0.28404 <.0001	0.30320 <.0001
C5H19r Wrong to get in physical fights?	0.17781 0.0003	0.31820 <.0001	0.35138 <.0001	0.28505 <.0001	0.31357 <.0001	0.30169 <.0001	0.28404 <.0001	1.00000	0.24598 <.0001
C5H20r OK to use physical force?	0.10755 0.0309	0.10531 0.0346	0.19611 <.0001	0.25906 <.0001	0.24988 <.0001	0.19845 <.0001	0.30320 <.0001	0.24598 <.0001	1.00000

Normative Beliefs about Aggression Log Subscales Year 5 Report Sample

	NBA5TAL	NBA5GAL	NBA5ARL	NBA5AWL	NBA5ASL	NBA5AML	NBA5AFL
Pearson Correlation Coefficients **Prob > |r| under H0: Rho=0** **Number of Observations**							
NBA5TAL **NOBAG Total Approval of Aggression LOG**	1.00000 408	0.74124 <.0001 407	0.96583 <.0001 408	0.88594 <.0001 408	0.80800 <.0001 408	0.90881 <.0001 408	0.88565 <.0001 408
NBA5GAL **NOBAG General Approval of Aggression LOG**	0.74124 <.0001 407	1.00000 407	0.54564 <.0001 407	0.55358 <.0001 407	0.41424 <.0001 407	0.48840 <.0001 407	0.53362 <.0001 407
NBA5ARL **NOBAG Approval of Retaliate LOG**	0.96583 <.0001 408	0.54564 <.0001 407	1.00000 408	0.90192 <.0001 408	0.84892 <.0001 408	0.95179 <.0001 408	0.90245 <.0001 408
NBA5AWL **NOBAG Approval Retaliate Weak Provocation LOG**	0.88594 <.0001 408	0.55358 <.0001 407	0.90192 <.0001 408	1.00000 408	0.54526 <.0001 408	0.85617 <.0001 408	0.81819 <.0001 408
NBA5ASL **NOBAG Approval Retaliate Strong Provocation LOG**	0.80800 <.0001 408	0.41424 <.0001 407	0.84892 <.0001 408	0.54526 <.0001 408	1.00000 408	0.81401 <.0001 408	0.75655 <.0001 408
NBA5AML **NOBAG Approval Retaliate vs. Males LOG**	0.90881 <.0001 408	0.48840 <.0001 407	0.95179 <.0001 408	0.85617 <.0001 408	0.81401 <.0001 408	1.00000 408	0.72920 <.0001 408
NBA5AFL **NOBAG Approval Retaliate vs. Females LOG**	0.88565 <.0001 408	0.53362 <.0001 407	0.90245 <.0001 408	0.81819 <.0001 408	0.75655 <.0001 408	0.72920 <.0001 408	1.00000 408

Normative Beliefs about Aggression Subscales Year 5 Report Sample

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	NBA5TAM	**NBA5GAM**	**NBA5APR**	**NBA5ARW**	**NBA5ARS**	**NBA5ARM**	**NBA5ARF**
NBA5TAM **NOBAG Total Approval of Aggression**	1.00000 408	0.76753 <.0001 407	0.95846 <.0001 408	0.88363 <.0001 408	0.79928 <.0001 408	0.88743 <.0001 408	0.88506 <.0001 408
NBA5GAM **NOBAG General Approval of Aggression**	0.76753 <.0001 407	1.00000 407	0.55384 <.0001 407	0.55223 <.0001 407	0.41362 <.0001 407	0.48152 <.0001 407	0.55024 <.0001 407
NBA5APR **NOBAG Approval of Retaliation**	0.95846 <.0001 408	0.55384 <.0001 407	1.00000 408	0.90774 <.0001 408	0.85154 <.0001 408	0.94037 <.0001 408	0.90556 <.0001 408
NBA5ARW **NOBAG Approval Retaliate Weak Provocation**	0.88363 <.0001 408	0.55223 <.0001 407	0.90774 <.0001 408	1.00000 408	0.55307 <.0001 408	0.85511 <.0001 408	0.81961 <.0001 408
NBA5ARS **NOBAG Approval Retaliate Strong Provocation**	0.79928 <.0001 408	0.41362 <.0001 407	0.85154 <.0001 408	0.55307 <.0001 408	1.00000 408	0.79945 <.0001 408	0.77331 <.0001 408
NBA5ARM **NOBAG Approval Retaliate vs. Males**	0.88743 <.0001 408	0.48152 <.0001 407	0.94037 <.0001 408	0.85511 <.0001 408	0.79945 <.0001 408	1.00000 408	0.70729 <.0001 408
NBA5ARF **NOBAG Approval Retaliate vs. Females**	0.88506 <.0001 408	0.55024 <.0001 407	0.90556 <.0001 408	0.81961 <.0001 408	0.77331 <.0001 408	0.70729 <.0001 408	1.00000 408