

**Sociometrics**  
Grade 4/Year 5  
Fast Track Project Technical Report  
Cynthia Rains  
March 20, 2003

**Table of Contents**

- I. Scale Description
- II. Report Sample
- III. Scaling
- IV. Differences between Groups
- V. Recommendations for Use
- VI. Item and Scale Means and SDs
- VII. Item and Scale Correlations

**Appendix**

SAS Scoring program

**Citations**

*Instrument*

Coie, J.D., Dodge, K.A., & Coppotelli, H.A. (1982). Dimensions and types of social status: A cross-age perspective. *Developmental Psychology, 18*, 557-570.

*References*

Asher, S.R. & Dodge, K.A. (1986). Identifying children who are rejected by their peers. *Developmental Psychology, 22*, 444-449.

Bukowski, W.M. & Newcomb, A.F. (1984). Stability and determinants of sociometric status and friendship choice: A longitudinal perspective. *Developmental Psychology, 20*, 941-952.

Coie, J.D. & Dodge, K.A. (1983). Continuities and changes in children's social status: A five-year longitudinal study. *Merrill-Palmer Quarterly, 29*, 261-281.

Terry, R. & Coie, J.D. (1991). A comparison of methods for defining sociometric status among children. *Developmental Psychology, 27*, 867-880.

*Reports*

Rains, C. (2003). *Sociometrics*. (Fast Track Project Technical Report). Available from the Fast Track Project Web site: <http://www.fasttrackproject.org>

Maumary-Gremaud, A. & Miller-Johnson, S. (1995). *Sociometric Interview*. (Fast Track Project Technical Report). Durham, NC: Duke University.

**Data Sources**

Raw: C5E

Scored: SCM5

**I. Scale Description**

The sociometric interview assesses peer's perceptions of children in their classroom on a variety of dimensions (Coie, Dodge, & Coppotelli, 1982). The interview is administered individually at school. Children are presented with a roster of all the students in their classroom. They first rate how much they like, or do not like, to play with each child in their classroom. On the 1st and 2nd grade forms, these ratings were made on a 3-point scale; for the 3rd grade form, this was expanded to a 5-point scale. For grade 4, no roster ratings were collected. After completing the roster ratings the children are then asked

to nominate other children in their classroom on the following dimensions: liked most, liked least, aggression (who are the kids who start fights and say mean things), withdrawn (who are the kids who are shy and act afraid to be around other kids) behavior, prosocial (who are the kids who cooperate, help, and share) behavior, hyperactivity (who are the kids who get out of their seats and bother people), and victim (who gets picked on and teased by other kids) behavior. In grades 1, 2, and 3, children responded to these questions using both unlimited and fixed (top 3) nominations. In grade 4, only unlimited nominations were included. Adequate reliability and cross-contextual stability has been demonstrated for these assessments.

Social preference and social impact scores were also calculated, based on the like least and like most scores. This was done to assess the degree to which a child might be considered cooperative and supportive (a high social preference score) and the degree to which a child has influence in the classroom, positive or negative (high social impact).

In addition to sociometric items, a series of questions was developed for the Fast Track project that assess children's liking of school and loneliness. The number of items for this section has gradually increased over time, from 8 to 12 to 21 in grade 4.

## **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. Sociometric scores are based on the responses by a child's peers, so it is possible for a child to have scores even if he or she did not actually respond. As a result, data on the number of missing responses is broken into two parts: one reflecting the sociometric scores and the other reflecting the self-report items.

For the sociometric scores, 168 records were missing the complete measure. 64 records were missing from the control sample (15 from Durham, 16 from Nashville, 9 from Pennsylvania, and 24 from Washington) and 137 records were missing from the normative sample (35 from Durham, 37 from Nashville, 10 from Pennsylvania, and 55 from Washington). These numbers may reflect some overlap between the two samples.

For the self-report items, 199 records were missing the complete measure. 71 records were missing from the control sample (15 from Durham, 17 from Nashville, 13 from Pennsylvania, and 26 from Washington) and 165 records were missing from the normative sample (38 from Durham, 43 from Nashville, 24 from Pennsylvania, and 60 from Washington). These numbers may reflect some overlap between the two samples. In addition, a number of self-report items had higher missing rates: C5ESR13 (227 missing), C5ESR14 (228 missing), C5ESR15 (227 missing), C5ESR16 (227 missing), C5ESR17 (228 missing), C5ESR18 (228 missing), C5ESR19 (228 missing), C5ESR20 (228 missing), and C5ESR21 (228 missing).

## **III. Scaling**

Roster ratings were not collected for year 5 of the measure. For nominations for the like most/like least categories and for the behaviors (aggression, hyperactivity, withdrawn behavior, prosocial behavior, and victim behavior) students were simply asked to name children who fit each described category (unlimited nominations).

Individual items were scored by summing nominations across all children in the classroom. Both raw scores and z scores are available for both types of sociometric scores (unlimited and fixed). The z-scores are standardized within each classroom group. In addition, standardized social preference and social impact items were scored as follows:

Social Preference: standardized Liked Most - standardized Liked Least (score is then re-standardized)

Social Impact: standardized Liked Most + standardized Liked Least (score is then re-standardized)

In 1997 new standardized variables were created by standardizing scores within classroom and by sex. Generally children's peer interactions are typically sex-segregated, particularly in elementary school. So, by including only same-sex children in the computation of sociometric scores, the assessments of peer status would be more valid, and would better reflect the peer reality of elementary school. The variables that break down the data by sex replace the "z" in the variables' names with a "g," but are otherwise similar in name to the original standardized variable. For example, C3EZAGGS represents "Aggressive sum z-score" for the original standardized variable and C3EGAGGS represents "Aggressive z-score by sex" for the new standardized variable.

In addition, peer status variables were created to identify the subject's classification in one of the five status groups (Average, Popular, Neglected, Rejected, or Controversial) using combinations of the Social Preference, Social Impact, Like Least, and Like Most variables (see table below).

Peer Status	
<b>Popular</b>	Social Preference z-score $\geq 1$ + Like Least sum z-score $< 0$ + Like Most sum z-score $> 0$
<b>Rejected</b>	Social Preference z-score $\leq -1$ + Like Least sum z-score $> 0$ + Like Most sum z-score $< 0$
<b>Neglected</b>	Social Impact z-score $\leq -1$
<b>Controversial</b>	Social Impact z-score $\geq 1$ + Like Least sum z-score $\geq 0$ + Like Most sum z-score $\geq 0$
<b>Average</b>	Does not fit any of the other categories

These status groupings were calculated in the same way for both the unlimited and fixed nominations.

Finally, in the later grades, there are 21 self-report items, which can be divided into two groups. For the first group of items (1-16), the items were completed by the child using a scale of 1 to 4, where 1 is "almost never," 2 is "sometimes," 3 is "a lot of the time," and 4 is "all of the time." These questions include 1 (is school fun for you), 2 (do nice things happen to you at school), 3 (do you feel unhappy at school-reversed), 4 (do you like your school), 5 (do you have kids to play with at school), 6 (are you lonely at school-reversed), 7 (is it hard to make friends at school-reversed), 8 (do kids at school like you), 9 (do the kids in class put others down-reversed), 10 (is class a fun place to be), 11 (do kids in class help each other learn), 12 (are the kids in class mean to each other-reversed), 13 (my classmates think I am a good listener), 14 (I am good at taking turns and sharing things), 15 (I know how to disagree without starting a fight), and 16 (I am good at finding fair ways to solve problems). A summary scale score, *School Satisfaction*, based on factor analysis, can be used for these self-report items.

The second set of self-report items focus on how many times since school started had certain events occurred. These items are completed using a scale of 1 to 5 (not at all, once or twice this school year, about once each month, once or more per week, and every day). These items include 1 (did someone make fun of you/insult you), 2 (did someone leave you out when you wanted to join in an activity or conversation), 3 (did someone say something mean about you to other kids), 4 (did someone damage or take something of yours on purpose), and 5 (did someone threaten to hurt you). A summary scale score, *School Interaction*, is used for these 5 items.

Cronbach's alphas were calculated for both scales and can be found in the table below:

Subscales	Cronbach's Alpha	
	Control Sample	Normative Sample
<b>School Satisfaction (SCM3SCS)</b>	.83	.79
<b>School Interaction (SCM3INT)</b>	.69	.71

Both scales showed an adequate level for internal consistency for both the normative and the control samples.

#### IV. Differences between Groups

A series of t-tests between the high-risk control sample and the normative sample (including the overlap) indicated significant differences for 16 of the 21 z-score/mean roster rating items. The five z-scores/mean roster rating items that did not indicate significant differences between the samples were: C5EZSIMU (Social impact z-score unlimited), C5EGWDRS (Withdrawn behavior z-score by sex), C5EGSIMU (Social impact unlimited z-score by sex), C5ERRGIV (Mean roster rating given by respondent), and C5ERRSTD (Standard deviation of mean roster rating received).

A t-test for the scale, *School Satisfaction*, indicated significant differences between the samples, with the mean for the normative sample greater than the mean for the control sample. The *School Interaction* scale approached significance ( $p = 0.06$ ), with the control respondents having a higher score than the normative respondents.

Finally, analysts should also note that extremely small sample sizes were recorded for the roster rating summary scores. The t-tests for these items do not therefore give a clear picture of these items.

#### Sociometrics Scales

Comparison of Means for Normative and Control for Continuous Scales and Items								
Variable	Label	Normative		Control		DF	t Value	Pr >  t
		Mean	Std Dev	Mean	Std Dev			
SCM5INT	School Interactions - Sociometrics Yr5	10.45	3.97	11.52	4.29	233	1.86	0.0638
SCM5SCS	School Satisfaction - Sociometrics Yr5	49.09	6.35	46.70	7.66	262	-2.66	0.0083

#### Sociometrics Z-Score/Mean Roster Rating Items

Variable	Normative Sample		Control Sample		DF	tValue	Pr >  t
	Mean	Std Dev	Mean	Std Dev			
C5EZLMSU (Like Most sum z-score-unlimited)	0.14	0.96	-0.49	0.85	293	-5.42	<.0001
C5EZLLSU (Like Least sum z-score-unlimited)	-0.13	0.88	0.67	1.00	293	6.97	<.0001
C5EZAGGS (Aggressive sum z-score)	-0.11	0.92	0.91	1.39	293	7.44	<.0001
C5EZWDRS (Withdrawn Behavior sum z-score)	-0.02	0.89	-0.33	0.50	293	-3.13	0.0019
C5EZPROS (Prosocial sum z-score)	0.09	1.00	-0.50	0.60	293	-5.18	<.0001
C5EZHYPS (Hyperactive sum z-score)	-0.09	0.94	0.81	1.20	293	6.90	<.0001
C5EZVICS (Victim Behavior sum z-score)	-0.12	0.96	0.35	1.12	293	3.66	0.0003
C5EZPRFU (Social Preference difference z-score-unlimited)	0.16	0.89	-0.69	0.93	293	-7.51	<.0001

<b>C5EZSIMU (Social Impact difference z-score-unlimited)</b>	0.01	1.05	0.19	1.01	293	1.40	0.1643
<b>C5EGLLSU (Like Least unlimited z-score by sex)</b>	-0.10	0.91	0.56	0.94	293	5.70	<.0001
<b>C5EGLMSU (Like Most unlimited z-score by sex)</b>	0.11	0.96	-0.44	0.81	293	-4.81	<.0001
<b>C5EGAGGS (Aggressive z-score by sex)</b>	-0.11	0.87	0.66	1.15	293	6.29	<.0001
<b>C5EGHYPS (Hyperactive z-score by sex)</b>	-0.06	0.97	0.64	1.13	293	5.45	<.0001
<b>C5EGPROS (Prosocial z-score by sex)</b>	0.07	0.99	-0.40	0.65	293	-4.20	<.0001
<b>C5EGVICS (Victim Behavior z-score by sex)</b>	-0.14	0.92	0.40	1.07	293	4.41	<.0001
<b>C5EGWDRS (Withdrawn Behavior z-score by sex)</b>	-0.07	0.84	-0.18	0.74	293	-1.07	0.2846
<b>C5EGPRFU (Social Preferences unlimited z-score by sex)</b>	0.13	0.94	-0.61	0.92	293	-6.26	<.0001
<b>C5EGSIMU (Social Impact unlimited z-score by sex)</b>	0.01	1.05	0.13	0.90	293	0.96	0.3397
<b>C5ERRGIV (Mean roster rating given by respondent)</b>	2.18	0.46	2.39	0.55	26	1.14	0.2660
<b>C5ERRREC (Mean roster rating received by respondent)</b>	2.31	0.73	3.08	0.72	37	3.28	0.0023
<b>C5ERRSTD (Std. Dev. of mean roster rating received)</b>	1.13	0.36	1.32	0.21	37	1.94	0.0598

The frequency distribution of the *Status Grouping unlimited* between the high-risk control and normative samples was:

Table of C5ESTATU by group			
C5ESTATU (Status Grouping (unlimited))	Group		Total
Frequency Column Percent	Control	Normative	
AVERAGE	36 39.56	100 49.02	136
CONTROVERSIAL	7 7.69	15 7.35	22
NEGLECTED	7 7.69	32 15.69	39
POPULAR	5 5.49	38 18.63	43
REJECTED	36 39.56	19 9.31	55
<b>Total</b>	91 30.85	204 69.15	295 100.00
Frequency Missing = 168			

With  $\chi^2$  (4, N = 295) = 42.5981,  $p < 0.0001$ , the hypothesis of independence between risk category (normative or high-risk control) and diagnosis of the status grouping unlimited was rejected for these data.

The frequency distribution of the *Status Grouping unlimited by sex* between the high-risk control and normative samples was:

Table of C5EGSTAT by group			
C5EGSTAT (status groupings (unlimited) by sex)	Group		Total
Frequency Column Percent	Control	Normative	
AVERAGE	40 43.96	91 44.61	131
CONTROVERSIAL	5 5.49	19 9.31	24
NEGLECTED	9 9.89	36 17.65	45
POPULAR	4 4.40	35 17.16	39
REJECTED	33 36.26	23 11.27	56
<b>Total</b>	91 30.85	204 69.15	295 100.00
Frequency Missing = 168			

With  $\chi^2$  (4, N = 295) = 32.0690,  $p < 0.0001$ , the hypothesis of independence between risk category (normative or high-risk control) and diagnosis of the status grouping unlimited by sex was rejected for these data.

## V. Recommendations for Use

Analysts should note that 7 of the z-scores were normally distributed for both the normative and the control samples. Four z-scores were positively skewed for both samples: C5EZWDRS (withdrawn behavior sum z-score), C5EZPROS (prosocial sum z-score), C5EZVICS (victim behavior sum z-score), and C5EGWDRS (withdrawn behavior z-score by sex). Six z-scores were positively skewed for the normative sample but were normally distributed for the control sample: C5EZLLSU (like least sum z-score unlimited), C5EZAGGS (aggressive sum z-score), C5EZHYPS (hyperactive sum z-score), C5EGAGGS (aggressive z-score by sex), C5EGHYPS (hyperactive z-score by sex), and C5EGVICS (victim behavior z-score by sex).

One z-score, *Withdrawn Behavior sum z-score*, showed positive kurtosis for the normative sample, with 71% of the normative sample had scores between  $-1.04$  and  $0.00$ . The *Victim Behavior sum z-score* had a positive kurtosis for the normative sample as well, with 50% scoring between  $-1.56$  and  $0.00$ . In addition, the *Withdrawn Behavior z-score by sex* had a positive kurtosis for the normative sample, with 72% scoring between  $-1.13$  and  $0.00$ .

Two of the mean roster rating scores, the mean roster rating given by respondent (C5ERRGIV) and the mean roster rating received by the respondent (C5ERRREC) were normally distributed for both the normative and the control samples. The standard deviation of the mean roster rating received by the respondent (C5ERRSTD) was negatively skewed for the normative sample but was normally distributed for the control sample. The standard deviation of the mean roster rating received by the respondent also had a negative kurtosis for the normative sample, with 78% scoring between  $0.00$  and  $1.50$ . The sample sizes for the items reporting on the roster ratings were quite low for both samples. Analyses such as t-tests on these items reported sample sizes as low as 13 for the control sample and as low as 15 for the normative sample. Data for these items should be read with caution.

Finally, both the *School Satisfaction* scale and the *School Interaction* scale were normally distributed for both the control and the normative samples.

## VI. Item Means and SDs

### Sociometrics Self-Report Items Normative Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5ESR1	Self-Report 1: School fun?	222	2.901	0.917	1.000	4.000
C5ESR2	Self-Report 2: Nice things happen?	222	2.631	0.861	1.000	4.000
C5ESR3r	Reversed-Self-Report 3: Feel unhappy?	222	3.324	0.757	1.000	4.000
C5ESR4	Self-Report 4: Like your school?	222	3.207	0.914	1.000	4.000
C5ESR5	Self-Report 5: Kids to play with?	222	3.518	0.765	1.000	4.000
C5ESR6r	Reversed-Self-Report 6: Lonely at school?	222	3.653	0.667	1.000	4.000
C5ESR7r	Reversed-Self-Report 7: Hard to make friends?	221	3.303	0.916	1.000	4.000
C5ESR8	Self-Report 8: Kids like you?	222	3.126	0.831	1.000	4.000
C5ESR9r	Reversed-Self-Report 9: Kids in class put others down?	222	2.523	0.950	1.000	4.000
C5ESR10	Self-Report 10: Class is fun place to be?	222	3.104	0.899	1.000	4.000
C5ESR11	Self-Report 11: Kids in class help each other learn?	222	2.766	0.882	1.000	4.000
C5ESR12r	Reversed-Self-Report 12: Kids in class mean to each other?	222	2.793	0.825	1.000	4.000
C5ESR13	Self-Report 13: Classmates think I'm a good listener?	199	2.613	0.902	1.000	4.000
C5ESR14	Self-Report 14: Good at taking turns and sharing things?	199	3.236	0.797	1.000	4.000
C5ESR15	Self-Report 15: Know how to disagree without starting a fight?	199	2.899	0.932	1.000	4.000
C5ESR16	Self-Report 16: Good at finding fair ways to solve problems?	199	2.960	0.846	1.000	4.000
C5ESR17	Self-Report 17: How many times did someone make fun of you?	198	2.460	1.300	1.000	5.000
C5ESR18	Self-Report 18: How many times did someone leave you out of activity?	198	2.066	1.167	1.000	5.000
C5ESR19	Self-Report 19: How many times did someone say something mean about you?	198	2.449	1.320	1.000	5.000
C5ESR20	Self-Report 20: How many times did someone damage or take something of yours?	198	1.904	1.151	1.000	5.000
C5ESR21	Self-Report 21: How many times did someone threaten to hurt you?	198	1.859	1.197	1.000	5.000

### Sociometrics Z-Score/Mean Roster Rating Items Normative Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5EZLMSU	Like Most sum z-score (unlimited)	250	0.0036352	0.9547685	-2.0898993	2.6062598
C5EZLLSU	Like Least sum z-score (unlimited)	250	0.0189403	0.9532304	-1.5133960	3.4420415
C5EZAGGS	Aggressive sum z-score	250	0.0583485	1.0906770	-0.9553769	3.6586077
C5EZWDRS	Withdrawn sum z-score	250	-0.0888530	0.8295337	-1.0377490	4.6002020
C5EZPROS	Prosocial sum z-score	250	-0.0317492	0.9545770	-1.8157505	3.7765871
C5EZHYPS	Hyperactive sum z-score	250	0.0582860	1.0349364	-1.0907158	3.5091674
C5EZVICS	Victim sum z-score	250	-0.0260829	1.0014100	-1.5585387	4.3634246
C5EZPRFU	Social Preference diff z-score (unlimited)	250	-0.0096697	0.9464138	-2.8388882	1.9290085
C5EZSIMU	Social Impact diff z-score (unlimited)	250	0.0215908	1.0460242	-2.7197811	3.1154850
C5EGLLSU	Like Least z-score by sex (unlimited)	250	0.0333000	0.9691877	-1.4490217	2.8632281
C5EGLMSU	Like Most z-score by sex (unlimited)	250	-0.0082452	0.9524627	-2.0016019	2.1328616
C5EGAGGS	Aggressive z-score by sex	250	0.0228118	0.9944447	-1.5443706	3.4346314
C5EGHYPS	Hyperactivity z-score by sex	250	0.0700418	1.0513497	-1.5275252	3.4038707
C5EGPROS	Prosocial z-score by sex	250	-0.0267834	0.9479684	-2.0225996	3.1448721
C5EGVICS	Victim z-score by sex	250	-0.0385752	0.9614031	-1.6664102	3.5977449
C5EGWDRS	Withdrawn z-score by sex	250	-0.1134307	0.7954810	-1.1337898	3.7407843
C5EGPRFU	Social Preference z-score by sex (unlimited)	250	-0.0267130	0.9891155	-2.4754180	1.9845113
C5EGSIMU	Social Impact z-score by sex (unlimited)	250	0.0236453	1.0401413	-2.7007421	3.2375016
C5ERRGIV	Mean Roster Rtg Given by respondent	23	2.2938668	0.5044408	1.0909091	3.1500000
C5ERRREC	Mean Roster Rtg Received by respondent	32	2.5165097	0.7459241	1.0000000	4.3333333
C5ERRSTD	Std Dev of mean Roster Rtg Received	32	1.2057652	0.3318227	0	1.6528842

### Sociometrics Subscales Normative Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
SCM5SCS	School Satisfaction - Sociometrics Yr5	222	48.646	6.702	26.000	62.000
SCM5INT	School Interactions - Sociometrics Yr5	198	10.737	4.169	5.000	24.000



Sociometrics Z-Score/Mean Roster Rating Items Control Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5ESR1	Self-Report 1: School fun?	84	2.798	1.050	1.000	4.000
C5ESR2	Self-Report 2: Nice things happen?	84	2.595	0.907	1.000	4.000
C5ESR3r	Reversed-Self-Report 3: Feel unhappy?	84	3.214	0.762	1.000	4.000
C5ESR4	Self-Report 4: Like your school?	84	3.143	1.020	1.000	4.000
C5ESR5	Self-Report 5: Kids to play with?	84	3.333	0.923	1.000	4.000
C5ESR6r	Reversed-Self-Report 6: Lonely at school?	84	3.560	0.665	1.000	4.000
C5ESR7r	Reversed-Self-Report 7: Hard to make friends?	83	3.253	0.853	1.000	4.000
C5ESR8	Self-Report 8: Kids like you?	84	2.881	0.884	1.000	4.000
C5ESR9r	Reversed-Self-Report 9: Kids in class put others down?	84	2.321	1.032	1.000	4.000
C5ESR10	Self-Report 10: Class is fun place to be?	84	3.048	1.017	1.000	4.000
C5ESR11	Self-Report 11: Kids in class help each other learn?	84	2.762	1.037	1.000	4.000
C5ESR12r	Reversed-Self-Report 12: Kids in class mean to each other?	84	2.619	0.904	1.000	4.000
C5ESR13	Self-Report 13: Classmates think I'm a good listener?	71	2.451	0.938	1.000	4.000
C5ESR14	Self-Report 14: Good at taking turns and sharing things?	70	3.071	0.857	1.000	4.000
C5ESR15	Self-Report 15: Know how to disagree without starting a fight?	71	2.662	1.013	1.000	4.000
C5ESR16	Self-Report 16: Good at finding fair ways to solve problems?	71	2.859	0.930	1.000	4.000
C5ESR17	Self-Report 17: How many times did someone make fun of you?	71	2.775	1.333	1.000	5.000
C5ESR18	Self-Report 18: How many times did someone leave you out of activity?	71	2.211	1.286	1.000	5.000
C5ESR19	Self-Report 19: How many times did someone say something mean about you?	71	2.521	1.372	1.000	5.000
C5ESR20	Self-Report 20: How many times did someone damage or take something of yours?	71	1.887	1.202	1.000	5.000
C5ESR21	Self-Report 21: How many times did someone threaten to hurt you?	71	2.127	1.230	1.000	5.000

Sociometrics Self-Report Items Control Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
C5EZLMSU	Like Most sum z-score (unlimited)	91	-0.4918153	0.8540041	-2.1483886	1.9982224
C5EZLLSU	Like Least sum z-score (unlimited)	91	0.6732807	1.0048344	-1.2411536	3.1051856
C5EZAGGS	Aggressive sum z-score	91	0.9050985	1.3883456	-0.9253698	4.0360672
C5EZWDRS	Withdrawn sum z-score	91	-0.3260394	0.4995051	-1.2098731	1.5015085
C5EZPROS	Prosocial sum z-score	91	-0.4985473	0.6006762	-1.6264219	1.9575887
C5EZHYPS	Hyperactive sum z-score	91	0.8071673	1.1966372	-1.0000000	3.9323797
C5EZVICS	Victim sum z-score	91	0.3472547	1.1240665	-1.0742535	3.4849822
C5EZPRFU	Social Preference diff z-score (unlimited)	91	-0.6928495	0.9291071	-2.5421159	1.4312088
C5EZSIMU	Social Impact diff z-score (unlimited)	91	0.1868711	1.0082640	-2.1881739	2.7198027
C5EGLLSU	Like Least z-score by sex (unlimited)	91	0.5612484	0.9364384	-1.1073894	2.8632281
C5EGLMSU	Like Most z-score by sex (unlimited)	91	-0.4403209	0.8135533	-1.7568281	1.6020820
C5EGAGGS	Aggressive z-score by sex	91	0.6598307	1.1502815	-1.1731922	3.4346314
C5EGHYPS	Hyperactivity z-score by sex	91	0.6445119	1.1329199	-1.1192939	3.4038707
C5EGPROS	Prosocial z-score by sex	91	-0.4042056	0.6462441	-1.6088648	1.7773514
C5EGVICS	Victim z-score by sex	91	0.3964378	1.0686825	-1.4200939	2.8348866
C5EGWDRS	Withdrawn z-score by sex	91	-0.1760921	0.7375626	-1.0444659	2.3895034
C5EGPRFU	Social Preference z-score by sex (unlimited)	91	-0.6111786	0.9225092	-2.4754180	1.2055183
C5EGSIMU	Social Impact z-score by sex (unlimited)	91	0.1322713	0.8962141	-2.4627027	2.4081108
C5ERRGIV	Mean Roster Rtg Given by respondent	13	2.3947904	0.5477907	1.4285714	3.1500000
C5ERRREC	Mean Roster Rtg Received by respondent	18	3.0750839	0.7172181	2.1250000	4.3333333
C5ERRSTD	Std Dev of mean Roster Rtg Received	18	1.3241461	0.2116609	1.0298573	1.6363917

Sociometrics Subscales Control Sample Year 5

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
SCM5SCS	School Satisfaction - Sociometrics Yr5	84	46.702	7.658	26.000	61.000
SCM5INT	School Interactions - Sociometrics Yr5	71	11.521	4.289	5.000	24.000

## VII. Item Correlations

### Sociometrics Self-Report Items Report Sample Year 5

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0									
	C5ESR1	C5ESR2	C5ESR3r	C5ESR4	C5ESR5	C5ESR6r	C5ESR7r	C5ESR8	C5ESR9r
<b>C5ESR1</b> Self-Report 1: School fun?	1.000	0.267 0.000	0.155 0.018	0.452 0.000	0.101 0.123	0.088 0.179	0.003 0.962	0.190 0.004	-0.041 0.536
<b>C5ESR2</b> Self-Report 2: Nice things happen?	0.267 0.000	1.000	0.305 0.000	0.307 0.000	0.322 0.000	0.157 0.016	0.064 0.329	0.540 0.000	0.154 0.019
<b>C5ESR3r</b> Reversed-Self-Report 3: Feel unhappy?	0.155 0.018	0.305 0.000	1.000	0.197 0.003	0.168 0.010	0.253 0.000	0.169 0.010	0.213 0.001	0.143 0.029
<b>C5ESR4</b> Self-Report 4: Like your school?	0.452 0.000	0.307 0.000	0.197 0.003	1.000	0.135 0.039	0.061 0.351	0.033 0.614	0.160 0.014	0.055 0.402
<b>C5ESR5</b> Self-Report 5: Kids to play with?	0.101 0.123	0.322 0.000	0.168 0.010	0.135 0.039	1.000	0.269 0.000	0.252 0.000	0.443 0.000	0.168 0.010
<b>C5ESR6r</b> Reversed-Self-Report 6: Lonely at school?	0.088 0.179	0.157 0.016	0.253 0.000	0.061 0.351	0.269 0.000	1.000	0.328 0.000	0.265 0.000	0.127 0.052
<b>C5ESR7r</b> Reversed-Self-Report 7: Hard to make friends?	0.003 0.962	0.064 0.329	0.169 0.010	0.033 0.614	0.252 0.000	0.328 0.000	1.000	0.195 0.003	0.140 0.033
<b>C5ESR8</b> Self-Report 8: Kids like you?	0.190 0.004	0.540 0.000	0.213 0.001	0.160 0.014	0.443 0.000	0.265 0.000	0.195 0.003	1.000	0.137 0.036
<b>C5ESR9r</b> Reversed-Self-Report 9: Kids in class put others down?	-0.041 0.536	0.154 0.019	0.143 0.029	0.055 0.402	0.168 0.010	0.127 0.052	0.140 0.033	0.137 0.036	1.000
<b>C5ESR10</b> Self-Report 10: Class is fun place to be?	0.478 0.000	0.309 0.000	0.182 0.005	0.345 0.000	0.308 0.000	0.040 0.543	0.125 0.057	0.329 0.000	0.056 0.399
<b>C5ESR11</b> Self-Report 11: Kids in class help each other learn?	0.215 0.001	0.349 0.000	0.101 0.123	0.288 0.000	0.294 0.000	0.100 0.129	0.063 0.336	0.232 0.000	0.198 0.002
<b>C5ESR12r</b> Reversed-Self-Report 12: Kids in class mean to each other?	0.063 0.338	0.259 0.000	0.250 0.000	0.264 0.000	0.214 0.001	0.137 0.037	0.218 0.001	0.103 0.118	0.456 0.000
<b>C5ESR13</b> Self-Report 13: Classmates think I'm a good listener?	0.305 0.000	0.432 0.000	0.158 0.016	0.269 0.000	0.251 0.000	0.039 0.550	0.028 0.672	0.407 0.000	0.093 0.155
<b>C5ESR14</b> Self-Report 14: Good at taking turns and sharing things?	0.282 0.000	0.228 0.000	0.215 0.001	0.263 0.000	0.241 0.000	0.108 0.100	0.073 0.269	0.220 0.001	-0.019 0.776
<b>C5ESR15</b> Self-Report 15: Know how to disagree without starting a fight?	0.227 0.000	0.392 0.000	0.224 0.001	0.186 0.004	0.189 0.004	0.061 0.350	0.058 0.380	0.303 0.000	0.101 0.123
<b>C5ESR16</b> Self-Report 16: Good at finding fair ways to solve problems?	0.306 0.000	0.238 0.000	0.137 0.036	0.272 0.000	0.191 0.003	0.070 0.287	0.021 0.749	0.279 0.000	-0.081 0.219

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0									
	C5ESR1	C5ESR2	C5ESR3r	C5ESR4	C5ESR5	C5ESR6r	C5ESR7r	C5ESR8	C5ESR9r
<b>C5ESR17</b> Self-Report 17: How many times did someone make fun of you?	-0.105 0.110	-0.154 0.019	-0.212 0.001	-0.062 0.343	-0.325 0.000	-0.277 0.000	-0.278 0.000	-0.262 0.000	-0.150 0.022
<b>C5ESR18</b> Self-Report 18: How many times did someone leave you out of activity?	-0.012 0.860	-0.124 0.060	-0.085 0.198	0.015 0.818	-0.274 0.000	-0.277 0.000	-0.189 0.004	-0.268 0.000	-0.191 0.004
<b>C5ESR19</b> Self-Report 19: How many times did someone say something mean about you?	-0.105 0.111	-0.329 0.000	-0.301 0.000	-0.185 0.005	-0.260 0.000	-0.274 0.000	-0.279 0.000	-0.269 0.000	-0.165 0.012
<b>C5ESR20</b> Self-Report 20: How many times did someone damage or take something of yours?	-0.068 0.300	-0.025 0.700	-0.137 0.036	-0.062 0.342	-0.028 0.669	-0.055 0.404	-0.265 0.000	-0.031 0.637	-0.175 0.007
<b>C5ESR21</b> Self-Report 21: How many times did someone threaten to hurt you?	-0.070 0.288	-0.107 0.103	-0.194 0.003	-0.066 0.319	-0.191 0.003	-0.213 0.001	-0.239 0.000	-0.235 0.000	-0.157 0.016

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0									
	C5ESR10	C5ESR11	C5ESR12r	C5ESR13	C5ESR14	C5ESR15	C5ESR16	C5ESR17	C5ESR18
<b>C5ESR1</b> Self-Report 1: School fun?	0.478 0.000	0.215 0.001	0.063 0.338	0.305 0.000	0.282 0.000	0.227 0.000	0.306 0.000	-0.105 0.110	-0.012 0.860
<b>C5ESR2</b> Self-Report 2: Nice things happen?	0.309 0.000	0.349 0.000	0.259 0.000	0.432 0.000	0.228 0.000	0.392 0.000	0.238 0.000	-0.154 0.019	-0.124 0.060
<b>C5ESR3r</b> Reversed-Self-Report 3: Feel unhappy?	0.182 0.005	0.101 0.123	0.250 0.000	0.158 0.016	0.215 0.001	0.224 0.001	0.137 0.036	-0.212 0.001	-0.085 0.198
<b>C5ESR4</b> Self-Report 4: Like your school?	0.345 0.000	0.288 0.000	0.264 0.000	0.269 0.000	0.263 0.000	0.186 0.004	0.272 0.000	-0.062 0.343	0.015 0.818
<b>C5ESR5</b> Self-Report 5: Kids to play with?	0.308 0.000	0.294 0.000	0.214 0.001	0.251 0.000	0.241 0.000	0.189 0.004	0.191 0.003	-0.325 0.000	-0.274 0.000
<b>C5ESR6r</b> Reversed-Self-Report 6: Lonely at school?	0.040 0.543	0.100 0.129	0.137 0.037	0.039 0.550	0.108 0.100	0.061 0.350	0.070 0.287	-0.277 0.000	-0.277 0.000
<b>C5ESR7r</b> Reversed-Self-Report 7: Hard to make friends?	0.125 0.057	0.063 0.336	0.218 0.001	0.028 0.672	0.073 0.269	0.058 0.380	0.021 0.749	-0.278 0.000	-0.189 0.004
<b>C5ESR8</b> Self-Report 8: Kids like you?	0.329 0.000	0.232 0.000	0.103 0.118	0.407 0.000	0.220 0.001	0.303 0.000	0.279 0.000	-0.262 0.000	-0.268 0.000
<b>C5ESR9r</b> Reversed-Self-Report 9: Kids in class put others down?	0.056 0.399	0.198 0.002	0.456 0.000	0.093 0.155	-0.019 0.776	0.101 0.123	-0.081 0.219	-0.150 0.022	-0.191 0.004
<b>C5ESR10</b> Self-Report 10: Class is fun place to be?	1.000	0.310 0.000	0.064 0.334	0.314 0.000	0.264 0.000	0.207 0.001	0.239 0.000	-0.076 0.248	0.046 0.485

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0									
	C5ESR10	C5ESR11	C5ESR12r	C5ESR13	C5ESR14	C5ESR15	C5ESR16	C5ESR17	C5ESR18
<b>C5ESR11</b> Self-Report 11: Kids in class help each other learn?	0.310 0.000	1.000	0.224 0.001	0.283 0.000	0.130 0.047	0.147 0.025	0.146 0.026	-0.138 0.035	-0.036 0.587
<b>C5ESR12r</b> Reversed-Self-Report 12: Kids in class mean to each other?	0.064 0.334	0.224 0.001	1.000	0.206 0.002	0.064 0.332	0.149 0.023	0.139 0.034	-0.231 0.000	-0.191 0.003
<b>C5ESR13</b> Self-Report 13: Classmates think I'm a good listener?	0.314 0.000	0.283 0.000	0.206 0.002	1.000	0.232 0.000	0.306 0.000	0.314 0.000	-0.182 0.005	-0.137 0.037
<b>C5ESR14</b> Self-Report 14: Good at taking turns and sharing things?	0.264 0.000	0.130 0.047	0.064 0.332	0.232 0.000	1.000	0.156 0.017	0.355 0.000	-0.142 0.031	-0.091 0.168
<b>C5ESR15</b> Self-Report 15: Know how to disagree without starting a fight?	0.207 0.001	0.147 0.025	0.149 0.023	0.306 0.000	0.156 0.017	1.000	0.259 0.000	-0.155 0.018	-0.025 0.706
<b>C5ESR16</b> Self-Report 16: Good at finding fair ways to solve problems?	0.239 0.000	0.146 0.026	0.139 0.034	0.314 0.000	0.355 0.000	0.259 0.000	1.000	-0.107 0.104	-0.170 0.009
<b>C5ESR17</b> Self-Report 17: How many times did someone make fun of you?	-0.076 0.248	-0.138 0.035	-0.231 0.000	-0.182 0.005	-0.142 0.031	-0.155 0.018	-0.107 0.104	1.000	0.309 0.000
<b>C5ESR18</b> Self-Report 18: How many times did someone leave you out of activity?	0.046 0.485	-0.036 0.587	-0.191 0.003	-0.137 0.037	-0.091 0.168	-0.025 0.706	-0.170 0.009	0.309 0.000	1.000
<b>C5ESR19</b> Self-Report 19: How many times did someone say something mean about you?	-0.154 0.019	-0.228 0.000	-0.218 0.001	-0.229 0.000	-0.251 0.000	-0.157 0.016	-0.125 0.056	0.443 0.000	0.260 0.000
<b>C5ESR20</b> Self-Report 20: How many times did someone damage or take something of yours?	-0.026 0.691	-0.027 0.678	-0.221 0.001	-0.040 0.546	-0.013 0.849	0.016 0.812	0.102 0.120	0.254 0.000	0.171 0.009
<b>C5ESR21</b> Self-Report 21: How many times did someone threaten to hurt you?	-0.096 0.145	-0.136 0.039	-0.096 0.143	-0.151 0.021	-0.090 0.169	-0.043 0.515	-0.050 0.444	0.398 0.000	0.310 0.000

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0			
	C5ESR19	C5ESR20	C5ESR21
<b>C5ESR1</b> Self-Report 1: School fun?	-0.105 0.111	-0.068 0.300	-0.070 0.288
<b>C5ESR2</b> Self-Report 2: Nice things happen?	-0.329 0.000	-0.025 0.700	-0.107 0.103
<b>C5ESR3r</b> Reversed-Self-Report 3: Feel unhappy?	-0.301 0.000	-0.137 0.036	-0.194 0.003
<b>C5ESR4</b> Self-Report 4: Like your school?	-0.185 0.005	-0.062 0.342	-0.066 0.319

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0			
	C5ESR19	C5ESR20	C5ESR21
<b>C5ESR5</b> Self-Report 5: Kids to play with?	-0.260 0.000	-0.028 0.669	-0.191 0.003
<b>C5ESR6r</b> Reversed-Self-Report 6: Lonely at school?	-0.274 0.000	-0.055 0.404	-0.213 0.001
<b>C5ESR7r</b> Reversed-Self-Report 7: Hard to make friends?	-0.279 0.000	-0.265 0.000	-0.239 0.000
<b>C5ESR8</b> Self-Report 8: Kids like you?	-0.269 0.000	-0.031 0.637	-0.235 0.000
<b>C5ESR9r</b> Reversed-Self-Report 9: Kids in class put others down?	-0.165 0.012	-0.175 0.007	-0.157 0.016
<b>C5ESR10</b> Self-Report 10: Class is fun place to be?	-0.154 0.019	-0.026 0.691	-0.096 0.145
<b>C5ESR11</b> Self-Report 11: Kids in class help each other learn?	-0.228 0.000	-0.027 0.678	-0.136 0.039
<b>C5ESR12r</b> Reversed-Self-Report 12: Kids in class mean to each other?	-0.218 0.001	-0.221 0.001	-0.096 0.143
<b>C5ESR13</b> Self-Report 13: Classmates think I'm a good listener?	-0.229 0.000	-0.040 0.546	-0.151 0.021
<b>C5ESR14</b> Self-Report 14: Good at taking turns and sharing things?	-0.251 0.000	-0.013 0.849	-0.090 0.169
<b>C5ESR15</b> Self-Report 15: Know how to disagree without starting a fight?	-0.157 0.016	0.016 0.812	-0.043 0.515
<b>C5ESR16</b> Self-Report 16: Good at finding fair ways to solve problems?	-0.125 0.056	0.102 0.120	-0.050 0.444
<b>C5ESR17</b> Self-Report 17: How many times did someone make fun of you?	0.443 0.000	0.254 0.000	0.398 0.000
<b>C5ESR18</b> Self-Report 18: How many times did someone leave you out of activity?	0.260 0.000	0.171 0.009	0.310 0.000
<b>C5ESR19</b> Self-Report 19: How many times did someone say something mean about you?	1.000	0.268 0.000	0.384 0.000

Pearson Correlation Coefficients, N = 233 Prob >  r  under H0: Rho=0			
	C5ESR19	C5ESR20	C5ESR21
<b>C5ESR20</b> Self-Report 20: How many times did someone damage or take something of yours?	0.268 0.000	1.000	0.250 0.000
<b>C5ESR21</b> Self-Report 21: How many times did someone threaten to hurt you?	0.384 0.000	0.250 0.000	1.000

Sociometrics Z-Score/Mean Roster Rating Items Report Sample Year 5

Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EZLMSU	C5EZLLSU	C5EZAGGS	C5EZWDRS	C5EZPROS	C5EZHYPS	C5EZVICS
<b>C5EZLMSU</b> Like Most sum z-score (unlimited)	1.00000	-0.53026 0.0037	-0.25557 0.1893	0.50978 0.0056	0.80675 <.0001	-0.19983 0.3080	-0.36478 0.0563
<b>C5EZLLSU</b> Like Least sum z-score (unlimited)	-0.53026 0.0037	1.00000	0.75445 <.0001	-0.53844 0.0031	-0.64393 0.0002	0.64292 0.0002	0.30145 0.1190
<b>C5EZAGGS</b> Aggressive sum z-score	-0.25557 0.1893	0.75445 <.0001	1.00000	-0.38673 0.0421	-0.40230 0.0338	0.80187 <.0001	0.10543 0.5934
<b>C5EZWDRS</b> Withdrawn sum z-score	0.50978 0.0056	-0.53844 0.0031	-0.38673 0.0421	1.00000	0.58794 0.0010	-0.30510 0.1144	-0.23507 0.2285
<b>C5EZPROS</b> Prosocial sum z-score	0.80675 <.0001	-0.64393 0.0002	-0.40230 0.0338	0.58794 0.0010	1.00000	-0.31655 0.1008	-0.33271 0.0836
<b>C5EZHYPS</b> Hyperactive sum z-score	-0.19983 0.3080	0.64292 0.0002	0.80187 <.0001	-0.30510 0.1144	-0.31655 0.1008	1.00000	-0.04442 0.8224
<b>C5EZVICS</b> Victim sum z-score	-0.36478 0.0563	0.30145 0.1190	0.10543 0.5934	-0.23507 0.2285	-0.33271 0.0836	-0.04442 0.8224	1.00000
<b>C5EZPRFU</b> Social Preference diff z-score (unlimited)	0.83149 <.0001	-0.91170 <.0001	-0.62218 0.0004	0.60220 0.0007	0.81226 <.0001	-0.52125 0.0045	-0.36955 0.0529
<b>C5EZSIMU</b> Social Impact diff z-score (unlimited)	0.27288 0.1600	0.67013 <.0001	0.61605 0.0005	-0.15857 0.4203	-0.02018 0.9188	0.54446 0.0027	0.03189 0.8720
<b>C5EGLLSU</b> Like Least z-score by sex (unlimited)	-0.44019 0.0191	0.89109 <.0001	0.63882 0.0003	-0.44311 0.0182	-0.52163 0.0044	0.48586 0.0088	0.37866 0.0469
<b>C5EGLMSU</b> Like Most z-score by sex (unlimited)	0.96416 <.0001	-0.48483 0.0089	-0.22137 0.2576	0.46709 0.0122	0.77573 <.0001	-0.14350 0.4663	-0.36011 0.0598
<b>C5EGAGGS</b> Aggressive z-score by sex	-0.17450 0.3745	0.60165 0.0007	0.87359 <.0001	-0.28003 0.1489	-0.28663 0.1392	0.67393 <.0001	0.16269 0.4081
<b>C5EGHYPS</b> Hyperactivity z-score by sex	0.01866 0.9249	0.34964 0.0682	0.61910 0.0004	-0.08904 0.6523	-0.10153 0.6072	0.84620 <.0001	-0.20037 0.3066
<b>C5EGPROS</b> Prosocial z-score by sex	0.75627 <.0001	-0.50762 0.0058	-0.36095 0.0592	0.41164 0.0295	0.89131 <.0001	-0.35008 0.0678	-0.23052 0.2379
<b>C5EGVICS</b> Victim z-score by sex	-0.40889 0.0307	0.34939 0.0684	0.18191 0.3542	-0.27050 0.1639	-0.36810 0.0539	0.01601 0.9355	0.94146 <.0001
<b>C5EGWDRS</b> Withdrawn z-score by sex	0.24504 0.2088	-0.27325 0.1595	-0.28293 0.1446	0.69460 <.0001	0.18895 0.3356	-0.21045 0.2824	-0.04947 0.8026
<b>C5EGPRFU</b> Social Preference z-score by sex (unlimited)	0.77814 <.0001	-0.83589 <.0001	-0.54066 0.0030	0.53415 0.0034	0.73652 <.0001	-0.39797 0.0360	-0.42947 0.0226
<b>C5EGSIMU</b> Social Impact z-score by sex (unlimited)	0.33688 0.0796	0.53455 0.0034	0.47295 0.0110	-0.07396 0.7084	0.09827 0.6189	0.38569 0.0427	0.10474 0.5958
<b>C5ERRGIV</b> Mean Roster Rtg Given by respondent	-0.19808 0.3123	0.14631 0.4575	0.14220 0.4704	-0.19228 0.3270	-0.19335 0.3242	-0.04442 0.8224	0.10902 0.5808

Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EZLMSU	C5EZLLSU	C5EZAGGS	C5EZWDRS	C5EZPROS	C5EZHYPS	C5EZVICS
<b>C5ERRREC</b> Mean Roster Rtg Received by respondent	-0.71224 <.0001	0.80489 <.0001	0.55474 0.0022	-0.47727 0.0102	-0.71653 <.0001	0.51257 0.0053	0.12882 0.5136
<b>C5ERRSTD</b> Std Dev of mean Roster Rtg Received	-0.38313 0.0442	0.37172 0.0514	0.51726 0.0048	-0.18058 0.3578	-0.48952 0.0082	0.13286 0.5003	0.22835 0.2425

Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EZPRFU	C5EZSIMU	C5EGLLSU	C5EGLMSU	C5EGAGGS	C5EGHYPS	C5EGPROS
<b>C5EZLMSU</b> Like Most sum z-score (unlimited)	0.83149 <.0001	0.27288 0.1600	-0.44019 0.0191	0.96416 <.0001	-0.17450 0.3745	0.01866 0.9249	0.75627 <.0001
<b>C5EZLLSU</b> Like Least sum z-score (unlimited)	-0.91170 <.0001	0.67013 <.0001	0.89109 <.0001	-0.48483 0.0089	0.60165 0.0007	0.34964 0.0682	-0.50762 0.0058
<b>C5EZAGGS</b> Aggressive sum z-score	-0.62218 0.0004	0.61605 0.0005	0.63882 0.0003	-0.22137 0.2576	0.87359 <.0001	0.61910 0.0004	-0.36095 0.0592
<b>C5EZWDRS</b> Withdrawn sum z-score	0.60220 0.0007	-0.15857 0.4203	-0.44311 0.0182	0.46709 0.0122	-0.28003 0.1489	-0.08904 0.6523	0.41164 0.0295
<b>C5EZPROS</b> Prosocial sum z-score	0.81226 <.0001	-0.02018 0.9188	-0.52163 0.0044	0.77573 <.0001	-0.28663 0.1392	-0.10153 0.6072	0.89131 <.0001
<b>C5EZHYPS</b> Hyperactive sum z-score	-0.52125 0.0045	0.54446 0.0027	0.48586 0.0088	-0.14350 0.4663	0.67393 <.0001	0.84620 <.0001	-0.35008 0.0678
<b>C5EZVICS</b> Victim sum z-score	-0.36955 0.0529	0.03189 0.8720	0.37866 0.0469	-0.36011 0.0598	0.16269 0.4081	-0.20037 0.3066	-0.23052 0.2379
<b>C5EZPRFU</b> Social Preference diff z-score (unlimited)	1.00000	-0.30641 0.1128	-0.79520 <.0001	0.78556 <.0001	-0.48042 0.0097	-0.22180 0.2567	0.69891 <.0001
<b>C5EZSIMU</b> Social Impact diff z-score (unlimited)	-0.30641 0.1128	1.00000	0.62901 0.0003	0.29315 0.1300	0.51943 0.0046	0.40468 0.0327	0.09351 0.6360
<b>C5EGLLSU</b> Like Least z-score by sex (unlimited)	-0.79520 <.0001	0.62901 0.0003	1.00000	-0.45579 0.0148	0.68064 <.0001	0.34778 0.0698	-0.49931 0.0068
<b>C5EGLMSU</b> Like Most z-score by sex (unlimited)	0.78556 <.0001	0.29315 0.1300	-0.45579 0.0148	1.00000	-0.19365 0.3235	0.01913 0.9230	0.79609 <.0001
<b>C5EGAGGS</b> Aggressive z-score by sex	-0.48042 0.0097	0.51943 0.0046	0.68064 <.0001	-0.19365 0.3235	1.00000	0.72577 <.0001	-0.37294 0.0506
<b>C5EGHYPS</b> Hyperactivity z-score by sex	-0.22180 0.2567	0.40468 0.0327	0.34778 0.0698	0.01913 0.9230	0.72577 <.0001	1.00000	-0.28986 0.1346
<b>C5EGPROS</b> Prosocial z-score by sex	0.69891 <.0001	0.09351 0.6360	-0.49931 0.0068	0.79609 <.0001	-0.37294 0.0506	-0.28986 0.1346	1.00000
<b>C5EGVICS</b> Victim z-score by sex	-0.42271 0.0250	0.04732 0.8110	0.37689 0.0480	-0.36402 0.0569	0.19279 0.3257	-0.17966 0.3603	-0.20330 0.2995
<b>C5EGWDRS</b> Withdrawn z-score by sex	0.29859 0.1227	-0.09194 0.6417	-0.33391 0.0825	0.27486 0.1569	-0.36887 0.0534	-0.22052 0.2595	0.24231 0.2141
<b>C5EGPRFU</b> Social Preference z-score by sex (unlimited)	0.92412 <.0001	-0.26945 0.1656	-0.89218 <.0001	0.80829 <.0001	-0.55241 0.0023	-0.22282 0.2544	0.73194 <.0001



Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EZPRFU	C5EZSIMU	C5EGLLSU	C5EGLMSU	C5EGAGGS	C5EGHYPS	C5EGPROS
<b>C5EGSIMU</b> Social Impact z-score by sex (unlimited)	-0.18415 0.3482	0.90606 <.0001	0.67431 <.0001	0.34871 0.0690	0.54335 0.0028	0.37597 0.0486	0.14075 0.4750
<b>C5ERRGIV</b> Mean Roster Rtg Given by respondent	-0.19109 0.3300	-0.00072 0.9971	0.13079 0.5071	-0.14076 0.4750	0.08020 0.6850	-0.15525 0.4302	-0.05262 0.7903
<b>C5ERRREC</b> Mean Roster Rtg Received by respondent	-0.87133 <.0001	0.28962 0.1349	0.71097 <.0001	-0.67074 <.0001	0.44668 0.0172	0.30904 0.1096	-0.65167 0.0002
<b>C5ERRSTD</b> Std Dev of mean Roster Rtg Received	-0.42915 0.0227	0.08125 0.6810	0.33717 0.0793	-0.42183 0.0254	0.50528 0.0061	0.10094 0.6093	-0.43435 0.0209

Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EGVICS	C5EGWDRS	C5EGPRFU	C5EGSIMU	C5ERRGIV	C5ERRREC	C5ERRSTD
<b>C5EZLMSU</b> Like Most sum z-score (unlimited)	-0.40889 0.0307	0.24504 0.2088	0.77814 <.0001	0.33688 0.0796	-0.19808 0.3123	-0.71224 <.0001	-0.38313 0.0442
<b>C5EZLLSU</b> Like Least sum z-score (unlimited)	0.34939 0.0684	-0.27325 0.1595	-0.83589 <.0001	0.53455 0.0034	0.14631 0.4575	0.80489 <.0001	0.37172 0.0514
<b>C5EZAGGS</b> Aggressive sum z-score	0.18191 0.3542	-0.28293 0.1446	-0.54066 0.0030	0.47295 0.0110	0.14220 0.4704	0.55474 0.0022	0.51726 0.0048
<b>C5EZWDRS</b> Withdrawn sum z-score	-0.27050 0.1639	0.69460 <.0001	0.53415 0.0034	-0.07396 0.7084	-0.19228 0.3270	-0.47727 0.0102	-0.18058 0.3578
<b>C5EZPROS</b> Prosocial sum z-score	-0.36810 0.0539	0.18895 0.3356	0.73652 <.0001	0.09827 0.6189	-0.19335 0.3242	-0.71653 <.0001	-0.48952 0.0082
<b>C5EZHYPS</b> Hyperactive sum z-score	0.01601 0.9355	-0.21045 0.2824	-0.39797 0.0360	0.38569 0.0427	-0.04442 0.8224	0.51257 0.0053	0.13286 0.5003
<b>C5EZVICS</b> Victim sum z-score	0.94146 <.0001	-0.04947 0.8026	-0.42947 0.0226	0.10474 0.5958	0.10902 0.5808	0.12882 0.5136	0.22835 0.2425
<b>C5EZPRFU</b> Social Preference diff z-score (unlimited)	-0.42271 0.0250	0.29859 0.1227	0.92412 <.0001	-0.18415 0.3482	-0.19109 0.3300	-0.87133 <.0001	-0.42915 0.0227
<b>C5EZSIMU</b> Social Impact diff z-score (unlimited)	0.04732 0.8110	-0.09194 0.6417	-0.26945 0.1656	0.90606 <.0001	-0.00072 0.9971	0.28962 0.1349	0.08125 0.6810
<b>C5EGLLSU</b> Like Least z-score by sex (unlimited)	0.37689 0.0480	-0.33391 0.0825	-0.89218 <.0001	0.67431 <.0001	0.13079 0.5071	0.71097 <.0001	0.33717 0.0793
<b>C5EGLMSU</b> Like Most z-score by sex (unlimited)	-0.36402 0.0569	0.27486 0.1569	0.80829 <.0001	0.34871 0.0690	-0.14076 0.4750	-0.67074 <.0001	-0.42183 0.0254
<b>C5EGAGGS</b> Aggressive z-score by sex	0.19279 0.3257	-0.36887 0.0534	-0.55241 0.0023	0.54335 0.0028	0.08020 0.6850	0.44668 0.0172	0.50528 0.0061
<b>C5EGHYPS</b> Hyperactivity z-score by sex	-0.17966 0.3603	-0.22052 0.2595	-0.22282 0.2544	0.37597 0.0486	-0.15525 0.4302	0.30904 0.1096	0.10094 0.6093
<b>C5EGPROS</b> Prosocial z-score by sex	-0.20330 0.2995	0.24231 0.2141	0.73194 <.0001	0.14075 0.4750	-0.05262 0.7903	-0.65167 0.0002	-0.43435 0.0209

Pearson Correlation Coefficients, N = 28 Prob >  r  under H0: Rho=0							
	C5EGVICS	C5EGWDRS	C5EGPRFU	C5EGSIMU	C5ERRGIV	C5ERRREC	C5ERRSTD
<b>C5EGVICS</b> Victim z-score by sex	1.00000 0.9837	-0.00405 0.9837	-0.43043 0.0222	0.09759 0.6213	0.20759 0.2891	0.20028 0.3068	0.22964 0.2398
<b>C5EGWDRS</b> Withdrawn z-score by sex	-0.00405 0.9837	1.00000	0.36366 0.0571	-0.11978 0.5438	0.00587 0.9764	-0.25177 0.1962	-0.12934 0.5118
<b>C5EGPRFU</b> Social Preference z-score by sex (unlimited)	-0.43043 0.0222	0.36366 0.0571	1.00000	-0.26883 0.1666	-0.15618 0.4274	-0.80832 <.0001	-0.43727 0.0200
<b>C5EGSIMU</b> Social Impact z-score by sex (unlimited)	0.09759 0.6213	-0.11978 0.5438	-0.26883 0.1666	1.00000	0.02245 0.9097	0.18902 0.3354	-0.00309 0.9876
<b>C5ERRGIV</b> Mean Roster Rtg Given by respondent	0.20759 0.2891	0.00587 0.9764	-0.15618 0.4274	0.02245 0.9097	1.00000	0.13736 0.4858	0.38388 0.0437
<b>C5ERRREC</b> Mean Roster Rtg Received by respondent	0.20028 0.3068	-0.25177 0.1962	-0.80832 <.0001	0.18902 0.3354	0.13736 0.4858	1.00000	0.45920 0.0140
<b>C5ERRSTD</b> Std Dev of mean Roster Rtg Received	0.22964 0.2398	-0.12934 0.5118	-0.43727 0.0200	-0.00309 0.9876	0.38388 0.0437	0.45920 0.0140	1.00000

Sociometrics Subscales Report Sample Year 5

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations		
	SCM5SCS	SCM5INT
<b>SCM5SCS</b> School Satisfaction - Sociometrics Yr5	1.000 264	-0.419 0.000 235
<b>SCM5INT</b> School Interactions - Sociometrics Yr5	-0.419 0.000 235	1.000 235

**Appendix – SAS Scoring Program**  
[\(See Instrument Summary\)](#)