

# **Descriptive Statistics and Correlation Tables for California's 2013 School Characteristics Index and Similar Schools Ranks**

**2013 Supplement to the Public Schools Accountability Act  
Technical Report 00-1**

**June 2014**

**Prepared by the  
Analysis, Measurement, and Accountability Reporting Division  
California Department of Education**

Available online at:  
<http://www.cde.ca.gov/ta/ac/ap/>

This document provides the descriptive statistics, regression coefficients, and correlation tables for elementary, middle, and high schools specific to the 2013 Growth Academic Performance Index (API) Similar Schools Rank (SSR) calculations. Using the updated regression coefficients, the 2013 School Characteristics Index can be calculated and 2013 SSR can be determined.

Please note that California *Education Code (EC)* Section 52056(a) requiring API ranking of schools was repealed. Therefore, the 2013 statewide and similar schools ranks are the final set of ranks reported. These ranks are based on the 2013 Growth API data whereas all other prior ranks were based from the corresponding Base API data. (For 2014 and beyond, ranks will no longer be produced.)

### **1999 Similar Schools Ranks**

In April of 2000, the Technical Design Group (TDG) of the Advisory Committee for the Public Schools Accountability Act (PSAA) of 1999 completed a report describing the construction and interpretation of the API decile ranks relative to schools with similar characteristics required by the PSAA. The *PSAA Technical Report 00-1* focused on the 1999 SSRs published in April 2000. The report is available in the *Construction of California's School Characteristics Index and Similar Schools Ranks* on the California Department of Education (CDE) API Web page at <http://www.cde.ca.gov/ta/ac/ap/> or you may contact the Academic Accountability Unit in the Analysis, Measurement, and Accountability Reporting Division by phone at 916-319-0863 or by e-mail at [aau@cde.ca.gov](mailto:aau@cde.ca.gov).

### **2013 Similar Schools Ranks**

The 2013 SSRs were calculated following the same principles that were employed for the original 1999–00 calculations. For a description of the SSRs methodology, please refer to the *PSAA Technical Report 00-1*. Note that sources for some of the data elements included in these calculations have changed. Please refer to pages 57 through 61 of the *2012–13 Academic Performance Index Reports Information Guide* currently available on the CDE 2012 Base API and 2013 Growth API Web page at <http://www.cde.ca.gov/ta/ac/ap/api1213.asp>.

This information supplements Appendices C and D of the *PSAA Technical Report 00-1*. Regression coefficients comprise the rightmost columns of Appendix C.

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix C**  
**Descriptive Statistics for Elementary Schools**  
**(5,440 schools, weighted by the number of tests contributing to the Academic Performance Index [API])**

	Ranges Theoretical		Ranges Actual		Central Tendency		Measures of Dispersion		Correlation with API	Coefficient	
	min	max	min	max	mean	median	standard deviation	variance		Model 1 <sup>a</sup>	Model 2 <sup>a</sup>
<b>Socioeconomic Indicators</b>											
Average Parent Education <sup>c</sup>	0.00	5.00	1.00	5.00	2.85	2.74	0.82	0.66	0.819	5.2581	n/a
% of Students Participating in Free or Reduced-Price Lunch Program	0.00	100.00	0.00	100.00	61.90	70.23	31.28	978.43	-0.785	-0.0554	-0.1037
<b>English Learners (ELs)</b>											
% of Students Classified as English Learner (EL) and Reclassified Fluent English Proficient (RFEP)	0.00	100.00	0.00	98.75	39.13	36.17	25.02	626.02	-0.578	-0.0477	-0.1015
<b>Race and Ethnicity Categories</b>											
% American Indian or Alaska Native	0.00	100.00	0.00	91.50	0.60	0.29	2.00	4.00	-0.095	1.3637	1.4757
% Asian	0.00	100.00	0.00	96.84	8.97	3.40	14.28	203.92	0.47	1.7078	1.9591
% Black or African American	0.00	100.00	0.00	99.42	5.97	2.77	9.05	81.96	-0.21	1.5217	1.7061
% Filipino	0.00	100.00	0.00	58.79	2.42	1.06	4.21	17.73	0.184	1.6579	1.8882
% Hispanic or Latino	0.00	100.00	0.00	100.00	53.42	53.39	29.91	894.71	-0.671	1.6413	1.8197
% Native Hawaiian or Pacific Islander	0.00	100.00	0.00	18.80	0.53	0.26	0.92	0.84	-0.071	1.2328	1.3878
% White	0.00	100.00	0.00	96.86	25.20	16.24	24.29	589.82	0.552	1.6172	1.8280
% Two or More Races	0.00	100.00	0.00	45.21	2.61	1.49	3.08	9.46	0.417	1.5632	1.8215
% Missing Race/Ethnicity	0.00	100.00	0.00	13.65	0.28	0.00	0.91	0.83	0.068	1.4731	1.6277
<b>Teacher Credentials</b>											
% of Teachers with Full Credentials	0.00	100.00	62.00	100.00	99.72	100.00	1.20	1.44	0.096	0.0930	0.1101
% of Teachers with Emergency Credentials	0.00	100.00	0.00	46.00	1.19	0.00	2.52	6.36	-0.096	-0.0930	-0.1101
<b>Year Round</b>											
Year Round Indicator <sup>b</sup>	0.00	1.00	0.00	1.00	0.02	0.00	0.13	0.02	-0.17	0.5170	-0.1559
<b>School Mobility</b>											
% of Students First Attending this School in Current Year	0.00	100.00	0.00	27.07	5.27	4.69	3.37	11.38	-0.518	-0.4305	-0.5631
<b>Class Size</b>											
Average, Grades K-3	1.00	*	2.00	40.00	24.45	24.00	4.06	16.46	0.039	-0.1151	-0.1368
Average, Grades 4-6	1.00	*	2.00	44.00	27.96	29.00	4.22	17.78	0.214	0.0728	0.0804
Average, Core Academic Courses in Departmentalized Programs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Parent Education Response</b>											
% of Students with Parent Education Data	0.00	100.00	0.00	100.00	88.11	94.21	17.35	301.05	n/a	n/a	n/a
<b>Discretionary Variables<sup>e</sup></b>											
<b>Grade Enrollment</b>											
% of Grade 2 Enrollment	0.00	100.00	0.00	100.00	21.55	21.85	7.38	54.48	-0.002	n/a <sup>d</sup>	n/a <sup>d</sup>
% of Grades 3-5 Enrollment	0.00	100.00	0.00	100.00	63.32	62.65	13.38	178.97	n/a	n/a	n/a
% of Grade 6 Enrollment	0.00	100.00	0.00	100.00	10.18	12.83	9.72	94.39	-0.083	-0.0354	-0.0437
% of Grades 7-8 Enrollment	0.00	100.00	0.00	97.02	4.46	0.00	10.88	118.29	-0.048	-0.0357	-0.0444
% of Grades 9-11 Enrollment	0.00	100.00	0.00	60.22	0.49	0.00	3.57	12.73	-0.06	-0.1644	-0.1468
<b>Gifted and Talented Education (GATE) Program</b>											
% of Students in GATE	0.00	100.00	0.00	100.00	7.60	5.29	8.76	76.77	0.288	0.0905	0.1100
<b>Disability</b>											
% of Students with Disabilities	0.00	100.00	0.00	44.94	10.90	10.57	4.11	16.90	-0.141	-0.1268	-0.1480
<b>Migrant Education Program (MEP)</b>											
% of Students in MEP	0.00	100.00	0.00	85.82	1.35	0.00	3.88	15.02	-0.306	-0.1307	-0.1623

\* There is no theoretical maximum value for average class size.

<sup>a</sup> Model 1 includes the parent education variable, Model 2 does not.

<sup>b</sup> A definition of this variable is provided on p.3 of the PSAA Technical Report 00-1.

<sup>c</sup> These variables were added in 2006. A variable in this group can only enter the model when it is significant at  $p \leq 0.05$ .

<sup>d</sup> This variable was not entered into the model because it was not significant at  $p \leq 0.05$ .

Note: Data exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix C**  
**Descriptive Statistics for Middle Schools**  
**(1,322 schools, weighted by the number of tests contributing to the API)**

	Ranges Theoretical		Ranges Actual		Central Tendency		Measures of Dispersion		Correlation with API	Coefficient		
	min	max	min	max	mean	median	standard deviation	variance		Model 1 <sup>a</sup>	Model 2 <sup>a</sup>	
<b>Socioeconomic Indicators</b>												
Average Parent Education <sup>c</sup>	0.00	5.00	1.21	4.72	2.83	2.76	0.78	0.60	0.864	7.1541	n/a	
% of Students Participating in Free or Reduced-Price Lunch Program	0.00	100.00	0.00	100.00	59.47	64.05	29.33	860.07	-0.817	-0.0146	-0.0736	
<b>ELs</b>												
% of Students Classified as EL and RFEP	0.00	100.00	0.00	95.30	38.60	35.80	22.56	509.02	-0.64	-0.0453	-0.1181	
<b>Race and Ethnicity Categories</b>												
% American Indian or Alaska Native	0.00	100.00	0.00	44.85	0.55	0.33	1.15	1.33	-0.22	1.4843	1.4248	
% Asian	0.00	100.00	0.00	90.15	9.14	3.86	13.85	191.91	0.499	1.6510	1.9762	
% Black or African American	0.00	100.00	0.00	95.80	6.48	3.07	8.90	79.19	-0.3	1.4325	1.6540	
% Filipino	0.00	100.00	0.00	38.91	2.77	1.47	4.04	16.33	0.128	1.4909	1.7497	
% Hispanic or Latino	0.00	100.00	1.24	99.62	52.61	51.87	28.37	804.71	-0.712	1.5872	1.8049	
% Native Hawaiian or Pacific Islander	0.00	100.00	0.00	10.66	0.56	0.32	0.82	0.67	-0.088	1.2360	1.4317	
% White	0.00	100.00	0.00	89.47	25.44	17.81	22.95	526.80	0.626	1.5656	1.8364	
% Two or More Races	0.00	100.00	0.00	35.23	2.22	1.21	2.68	7.19	0.43	1.5858	1.9670	
% Missing Race/Ethnicity	0.00	100.00	0.00	15.66	0.24	0.00	0.85	0.71	.021	1.6598	1.5408	
<b>Teacher Credentials</b>												
% of Teachers with Full Credentials	0.00	100.00	43.00	100.00	99.49	100.00	1.83	3.36	0.147	0.0140	0.0454	
% of Teachers with Emergency Credentials	0.00	100.00	0.00	71.00	2.10	0.00	3.48	12.08	-0.147	-0.0140	-0.0454	
<b>Year Round</b>												
Year Round Indicator <sup>b</sup>	0.00	1.00	0.00	1.00	0.01	0.00	0.08	0.01	.009	1.6700	0.1565	
<b>School Mobility</b>												
% of Students First Attending this School in Current Year	0.00	100.00	0.00	32.94	4.45	3.96	2.65	7.04	-0.623	-0.5552	-0.7834	
<b>Class Size</b>												
Average, Grades K-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Average, Grades 4-6	1.00	*	4.00	39.00	28.34	29.00	3.90	15.19	0.278	0.0481	0.0552	
Average, Core Academic Courses in Departmentalized Programs	1.00	*	10.00	38.00	27.53	28.00	3.68	13.56	0.347	0.0985	0.1074	
<b>Parent Education Response</b>												
% of Students with Parent Education Data	0.00	100.00	0.00	100.00	86.93	92.98	16.61	275.99	n/a	n/a	n/a	
<b>Discretionary Variables<sup>c</sup></b>												
<b>Grade Enrollment</b>												
% of Grade 2 Enrollment	0.00	100.00	0.00	5.25	0.01	0.00	0.18	0.03	.011	1.6014	n/a <sup>d</sup>	
% of Grades 3-5 Enrollment	0.00	100.00	0.00	64.86	0.96	0.00	5.15	26.47	0.057	0.0990	0.1100	
% of Grade 6 Enrollment	0.00	100.00	0.00	78.11	22.25	30.86	14.55	211.64	.043	n/a <sup>d</sup>	n/a <sup>d</sup>	
% of Grades 7-8 Enrollment	0.00	100.00	0.65	100.00	76.42	68.67	15.79	249.22	n/a	n/a	n/a	
% of Grades 9-11 Enrollment	0.00	100.00	0.00	40.63	0.36	0.00	3.29	10.83	-0.11	n/a <sup>d</sup>	n/a <sup>d</sup>	
<b>GATE Program</b>												
% of Students in GATE	0.00	100.00	0.00	100.00	13.81	11.86	10.94	119.74	0.336	0.0673	0.0696	
<b>Disability</b>												
% of Students with Disabilities	0.00	100.00	0.56	27.60	10.90	10.66	3.26	10.62	-0.395	-0.2431	-0.2795	
<b>MEP</b>												
% of Students in MEP	0.00	100.00	0.00	82.55	1.19	0.00	3.42	11.70	-0.253	-0.1210	-0.1514	

\* There is no theoretical maximum value for average class size.

<sup>a</sup> Model 1 includes the parent education variable, Model 2 does not.

<sup>b</sup> A definition of this variable is provided on p.3 of the PSAA Technical Report 00-1.

<sup>c</sup> These variables were added in 2006. A variable in this group can only enter the model when it is significant at  $p <= 0.05$ .

<sup>d</sup> This variable was not entered into the model because it was not significant at  $p <= 0.05$ .

Note: Data exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix C**  
**Descriptive Statistics for High Schools**  
**(1,277schools, weighted by the number of tests contributing to the API)**

	Ranges Theoretical		Ranges Actual		Central Tendency		Measures of Dispersion		Correlation with API	Coefficient	
	min	max	min	max	mean	median	standard deviation	variance		Model 1 <sup>a</sup>	Model 2 <sup>a</sup>
<b>Socioeconomic Indicators</b>											
Average Parent Education <sup>c</sup>	0.00	5.00	1.16	5.00	2.85	2.80	0.73	0.53	0.819	7.6718	n/a
% of Students Participating in Free or Reduced-Price Lunch Program	0.00	100.00	0.00	100.00	54.03	56.40	26.50	702.22	-0.761	0.0058	-0.0860
<b>ELs</b>											
% of Students Classified as EL and RFEP	0.00	100.00	0.00	98.54	36.42	33.48	22.16	490.85	-0.576	-0.0546	-0.1067
<b>Race and Ethnicity Categories</b>											
% American Indian or Alaska Native	0.00	100.00	0.00	79.19	0.66	0.38	1.45	2.10	-0.18	1.3714	1.5340
% Asian	0.00	100.00	0.00	86.33	9.44	4.06	13.75	189.14	0.45	1.6673	1.9990
% Black or African American	0.00	100.00	0.00	96.89	6.27	3.31	7.99	63.79	-0.335	1.3677	1.6389
% Filipino	0.00	100.00	0.00	43.29	2.99	1.62	4.25	18.07	0.136	1.5948	1.8874
% Hispanic or Latino	0.00	100.00	0.93	100.00	50.25	49.26	27.10	734.55	-0.652	1.6245	1.8575
% Native Hawaiian or Pacific Islander	0.00	100.00	0.00	8.85	0.56	0.38	0.69	0.48	-0.096	1.3617	1.4839
% White	0.00	100.00	0.00	93.02	27.35	21.50	22.99	528.32	0.553	1.5917	1.8818
% Two or More Races	0.00	100.00	0.00	28.53	2.31	1.40	2.77	7.65	0.34	1.5935	1.9151
% Missing Race/Ethnicity	0.00	100.00	0.00	17.71	0.17	0.00	0.74	0.55	.027	1.7975	1.5259
<b>Teacher Credentials</b>											
% of Teachers with Full Credentials	0.00	100.00	61.00	100.00	99.45	100.00	1.54	2.36	0.188	-0.0166	0.0110
% of Teachers with Emergency Credentials	0.00	100.00	0.00	46.00	2.19	1.00	3.11	9.70	-0.188	0.0166	-0.0110
<b>Year Round</b>											
Year Round Indicator <sup>b</sup>	0.00	1.00	0.00	1.00	0.01	0.00	0.10	0.01	-0.08	3.9406	5.7365
<b>School Mobility</b>											
% of Students First Attending this School in Current Year	0.00	100.00	0.00	68.60	4.85	3.96	4.97	24.67	-0.464	-0.3565	-0.4693
<b>Class Size</b>											
Average, Grades K-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Average, Grades 4-6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Average, Core Academic Courses in Departmentalized Programs	1.00	*	1.00	48.00	27.54	28.00	4.78	22.81	0.262	0.0143	0.0502
<b>Parent Education Response</b>											
% of Students with Parent Education Data	0.00	100.00	0.00	100.00	85.47	92.54	19.17	367.51	n/a	n/a	n/a
<b>Discretionary Variables<sup>c</sup></b>											
<b>Grade Enrollment</b>											
% of Grade 2 Enrollment	0.00	100.00	0.00	10.27	0.10	0.00	0.80	0.64	-0.059	-0.3155	n/a <sup>d</sup>
% of Grades 3-5 Enrollment	0.00	100.00	0.00	25.36	0.35	0.00	2.60	6.75	-0.43	n/a <sup>d</sup>	n/a <sup>d</sup>
% of Grade 6 Enrollment	0.00	100.00	0.00	22.26	0.45	0.00	2.51	6.29	-0.15	n/a <sup>d</sup>	n/a <sup>d</sup>
% of Grades 7-8 Enrollment	0.00	100.00	0.00	68.83	1.94	0.00	8.04	64.63	.040	0.0473	0.0650
% of Grades 9-11 Enrollment	0.00	100.00	29.66	100.00	97.16	100.00	11.54	133.22	n/a	n/a	n/a
<b>GATE Program</b>											
% of Students in GATE	0.00	100.00	0.00	77.05	12.92	11.22	10.75	115.46	0.369	0.0617	0.0719
<b>Disability</b>											
% of Students with Disabilities	0.00	100.00	0.00	25.25	9.50	9.44	2.94	8.62	-0.478	-0.6254	-0.7163
<b>MEP</b>											
% of Students in MEP	0.00	100.00	0.00	37.72	1.14	0.00	3.13	9.78	-0.208	-0.1640	-0.2354

\* There is no theoretical maximum value for average class size.

<sup>a</sup> Model 1 includes the parent education variable, Model 2 does not.

<sup>b</sup> A definition of this variable is provided on p.3 of the PSAA Technical Report 00-1.

<sup>c</sup> These variables were added in 2006. A variable in this group can only enter the model when it is significant at  $p \leq 0.05$ .

<sup>d</sup> This variable was not entered into the model because it was not significant at  $p \leq 0.05$ .

Note: Data exclude schools with fewer than 100 valid test scores. Also excluded are schools serving non-traditional student populations (such as schools under the jurisdiction of a county board of education or county superintendent of schools, community day schools, and alternative schools, including continuation schools) unless these schools specifically elected to participate in the main API accountability system. Charter schools serving a traditional student population with 100 or more valid test scores are included.

"n/a" means not applicable.

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

Appendix D

Correlations for Elementary Schools (Weighted by the Number of Tests Contributing to the API)

Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=5,224)

Below the diagonal: Correlations based on all schools (n=5,440)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFEF	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
API	r	1	.824*	-.793**	-.584**	-.097**	.461**	-.209**	.181	-.667**	-.079*	.553**	.411**	.068*
	p		0.000	0.000	0.000	.000	.000	.000	0.000	.000	0.000	.000	.000	.000
	N		5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
Average Parent Education	r	.819*	1	-.923**	-.798**	-.015	.438**	-.085**	.195*	-.866**	-.020	.735**	.548**	.090*
	p	0.000		0.000	0.000	.284	.000	.000	.000	0.000	.152	0.000	0.000	.000
	N	5440		5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% of Students Participating in Free or Reduced-Price Lunch	r	-.785**	-.906**	1	.744**	.022	-.384**	.173*	-.168**	.819**	.049*	-.750**	-.524**	-.087**
	p	0.000	0.000		0.000	.107	.000	.000	0.000	0.000	.000	0.000	0.000	.000
	N	5440	5440		5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% English Learner (EL) and Reclassified Fluent English Proficient (RFEF)	r	-.578**	-.783**	.739**	1	-.134**	-.090**	-.112**	-.080**	.789**	-.004	-.783**	-.497**	-.066*
	p	0.000	0.000	0.000		.000	.000	.000	0.000	0.000	.764	0.000	0.000	.000
	N	5440	5440	5440		5224	5224	5224	5224	5224	5224	5224	5224	5224
% American Indian or Alaska Native	r	-.095**	-.013	.021	-.134**	1	-.063**	-.013	-.041**	-.112**	-.005	.103*	.026	-.013
	p	.000	.348	.116	.000		.000	.345	.003	.000	.731	.000	.059	.350
	N	5440	5440	5440	5440		5224	5224	5224	5224	5224	5224	5224	5224
% Asian	r	.470**	.434**	-.383**	-.077**	-.064**	1	-.069**	.207**	-.477**	.046*	-.021	.189*	.084*
	p	.000	.000	.000	.000	.000		.000	.000	.000	.001	.134	.000	.000
	N	5440	5440	5440	5440	5440		5224	5224	5224	5224	5224	5224	5224
% Black or African American	r	-.210**	-.089**	.166**	-.122**	-.013	-.082**	1	.078**	-.106**	.230**	-.219**	.003	.036*
	p	.000	.000	.000	.000	.347	.000		.000	.000	.000	.000	.813	.009
	N	5440	5440	5440	5440	5440	5440		5224	5224	5224	5224	5224	5224
% Filipino	r	.184*	.197**	-.168**	-.087**	-.038**	.197**	.071**	1	-.219**	.268**	-.083**	.169*	.002
	p	.000	.000	.000	.000	.005	.000	.000		.000	.000	.000	.000	.863
	N	5440	5440	5440	5440	5440	5440	5440		5224	5224	5224	5224	5224
% Hispanic or Latino	r	-.671**	-.859**	.815**	.784**	-.111**	-.482**	-.107**	-.220**	1	-.091**	-.782**	-.584**	-.133**
	p	0.000	0.000	0.000	0.000	.000	0.000	.000	0.000		0.000	0.000	0.000	.000
	N	5440	5440	5440	5440	5440	5440	5440	5440		5224	5224	5224	5224
% Native Hawaiian or Pacific Islander	r	-.071**	-.013	.045**	-.007	-.005	.048**	.216**	.271**	-.093**	1	-.095**	.083**	.042*
	p	.000	.339	.001	.624	.705	.000	.000	.000	.000		.000	.000	.002
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440		5224	5224	5224
% White	r	.552**	.731**	-.745**	-.783**	.100**	-.021	-.214**	-.074**	-.779**	-.090**	1	.441**	.053*
	p	0.000	0.000	0.000	0.000	.000	.129	.000	.000	0.000	.000		.000	.000
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440		5224	5224
% Two or More Races	r	.417**	.549**	-.522**	-.501**	.025	.187**	-.003	.174**	-.585**	.081**	.446**	1	.072*
	p	.000	0.000	0.000	0.000	.060	.000	.850	.000	0.000	.000	.000		.000
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440		5224
% Missing Race/Ethnicity	r	.068*	.091**	-.085**	-.070**	-.011	.074**	.035	.006	-.132**	.043**	.057**	.076**	1
	p	.000	.000	.000	.000	.398	.000	.010	.667	.000	.002	.000	.000	
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for Elementary Schools (Weighted by the Number of Tests Contributing to the API)**  
Correlations based on all schools (n=5,440)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFEF	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
% of Teachers with Full Credentials	r	.096**	.064**	-.064**	-.015	-.022	.048**	-.126**	.005	-.036**	-.005	.061**	.022	.035
	p	.000	.000	.000	.266	.111	.000	.000	.721	.008	.740	.000	.112	.011
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Teachers with Emergency Credentials	r	-.096**	-.064**	.064**	.015	.022	-.048**	.126**	-.005	.036**	.005	-.061**	-.022	-.035
	p	.000	.000	.000	.266	.111	.000	.000	.721	.008	.740	.000	.112	.011
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
Year Round Indicator	r	-.017	-.035	.037	.049	-.012	.047**	.020	.032	.010	.024	-.055**	.014	-.003
	p	.215	.011	.007	.000	.359	.000	.137	.018	.452	.074	.000	.287	.825
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of School Mobility	r	-.518**	-.390**	.391**	.104	.111	-.221**	.256**	-.119*	.213*	.043*	-.196**	-.148*	-.070*
	p	0.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000	.000	.000
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
Average Class Size, Grades K-3	r	.039**	.019	-.042**	.005	-.052**	.062**	.010	.022	.012	.045**	-.058**	.018	-.003
	p	.004	.168	.002	.717	.000	.000	.444	.113	.379	.001	.000	.178	.809
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
Average Class Size, Grades 4-6	r	.214**	.122**	-.119*	-.022	-.091**	.154**	-.074**	.095**	-.053**	.028*	-.015	.051**	.012
	p	.000	.000	.000	.110	.000	.000	.000	.000	.000	.042	.267	.000	.393
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Grade 2 Enrollment	r	-.002	-.060**	.075**	.105**	-.043**	-.026	.029	-.020	.084**	.001	-.095**	.018	.011
	p	.880	.000	.000	.000	.002	.060	.030	.133	.000	.943	.000	.188	.418
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Grade 6 Enrollment	r	-.083**	-.057**	.033*	.006	.025	.026	-.047**	.004	.029*	-.015	-.021	-.099**	-.046**
	p	.000	.000	.015	.667	.067	.052	.001	.793	.035	.278	.118	.000	.001
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Grades 7-8 Enrollment	r	-.048**	.035	-.037*	-.112**	.114**	-.033*	.011	-.001	-.088**	.003	.115**	-.005	.015
	p	.000	.010	.006	.000	.000	.014	.414	.918	.000	.804	.000	.687	.282
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Grades 9-11 Enrollment	r	-.060**	.062**	-.073**	-.125**	.026	-.043**	.009	-.032	-.088**	-.021	.132**	.020	.006
	p	.000	.000	.000	.000	.058	.002	.530	.019	.000	.123	.000	.141	.675
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Students in Gifted and Talented Education (GATE) Program	r	.288**	.211**	-.155**	-.108**	-.048**	.168**	.050**	.110**	-.156**	-.012	.048**	.072**	.078**
	p	.000	.000	.000	.000	.000	.000	.000	.000	.000	.367	.000	.000	.000
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Students with Disabilities	r	-.141**	-.071**	.084**	-.049**	.066**	-.167**	.072**	-.017	.019	.048**	.037**	.040**	.026**
	p	.000	.000	.000	.000	.000	.000	.000	.216	.152	.000	.006	.003	.058**
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
% of Students in Migrant Education Program (MEP)	r	-.306**	-.335**	.265**	.354**	-.006	-.148**	-.146**	-.109**	.338**	-.084**	-.226**	-.194**	-.036**
	p	.000	.000	.000	.000	.679	.000	.000	.000	.000	.000	.000	.000	.007
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440
School Characteristic Index	r	.880**	.925**	-.898**	-.660**	-.110**	.529**	-.236**	.206**	-.762**	-.085**	.630**	.472**	.077**
	p	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for Elementary Schools (Weighted by the Number of Tests Contributing to the API)**  
**Correlations of schools with at least 50 percent of students with parental education data (n=5,224)**

Statistics	% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Grades K-3	Average Class Size, Grades 4-6	% of Grade 2 Enrollment	% of Grade 6 Enrollment	% of Grades 7-8 Enrollment	% of Grades 9-11 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index	
API	r	.096**	-.096**	-.005	-.522**	.030	.207**	.005	-.097**	-.052**	-.063**	.292**	-.132**	-.304**	.880**
	p	.000	.000	.705	0.000	.030	.000	.719	.000	.000	.000	.000	.000	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
Average Parent Education	r	.066**	-.066**	-.027	-.393**	.010	.117**	-.056**	-.066**	.029	.065**	.218**	-.065**	-.341**	.933**
	p	.000	.000	.052	.000	.491	.000	.000	.000	.034	.000	.000	.000	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% of Students Participating in Free or Reduced-Price Lunch	r	-.067**	.067**	.026	.402**	-.023	-.107**	.071**	.049**	-.037**	-.078**	-.166**	.076**	.267**	-.901**
	p	.000	.000	.065	.000	.097	.000	.000	.000	.007	.000	.000	.000	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% EL and RFP	r	-.023	.023	.033	.106**	.000	-.022	.108**	-.006	-.106**	-.127**	-.119**	-.060**	.361**	-.664**
	p	.092	.092	.017	.000	.975	.117	.000	.668	.000	.000	.000	.000	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% American Indian or Alaska Native	r	-.024	.024	-.011	.114**	-.049**	-.091**	-.042**	.028	.112**	.025	-.047**	.070**	-.005	-.110**
	p	.087	.087	.419	.000	.000	.000	.003	.040	.000	.067	.001	.000	.711	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Asian	r	.043**	-.043**	.061**	-.223**	.043**	.139**	-.016	-.003	-.028**	-.042**	.175**	-.165**	-.144**	.526**
	p	.002	.002	.000	.000	.002	.000	.236	.838	.045	.003	.000	.000	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Black or African American	r	-.115**	.115**	.030	.257**	-.023	-.069**	.024	-.033	.013	.005	.054**	.077**	-.149**	-.237**
	p	.000	.000	.032	.000	.095	.000	.088	.018	.346	.716	.000	.000	.000	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Filipino	r	.003	-.003	.037**	-.121**	.022	.094**	-.021	.006	-.004	-.032**	.114**	-.017	-.110**	.205**
	p	.801	.801	.007	.000	.120	.000	.132	.672	.795	.020	.000	.208	.000	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Hispanic or Latino	r	-.040**	.040**	-.005	.214**	.020	-.043**	.082**	.035	-.087**	-.093**	-.165**	.009	.340**	-.759**
	p	.004	.004	.701	.000	.141	.002	.000	.012	.000	.000	.000	.524	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Native Hawaiian or Pacific Islander	r	-.006	.006	.028	.044**	.046**	.026	.000	-.017	.005	-.020	-.010	.047**	-.083**	-.090**
	p	.666	.666	.043	.001	.001	.061	.989	.211	.741	.146	.460	.001	.000	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% White	r	.064**	-.064**	-.049**	-.197**	-.061**	-.018	-.096**	-.017	.110**	.137**	.053**	.044**	-.230**	.629**
	p	.000	.000	.000	.000	.000	.193	.000	.207	.000	.000	.000	.001	.000	0.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Two or More Races	r	.022	-.022	.024	-.149**	.017	.049**	.019	-.097**	-.012	.021	.077**	.047**	-.197**	.468**
	p	.109	.109	.087	.000	.232	.000	.161	.000	.377	.130	.000	.001	.000	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224
% Missing Race/Ethnicity	r	.037**	-.037**	-.002	-.072**	-.001	.013	.010	-.043**	.012	.005	.082**	.026	-.038**	.078**
	p	.008	.008	.896	.000	.917	.349	.467	.002	.369	.699	.000	.063	.006	.000
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).



DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for Elementary Schools (Weighted by the Number of Tests Contributing to the API)**  
Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=5224)  
Below the Diagonal: Correlations based on all schools (n=5,440)

Statistics	% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Grades K-3	Average Class Size, Grades 4-6	% of Grade 2 Enrollment	% of Grade 6 Enrollment	% of Grades 7-8 Enrollment	% of Grades 9-11 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index	
% of Teachers with Full Credentials	r	1													
	p														
	N	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	5224	
% of Teachers with Emergency Credentials	r	-1.000**	1												
	p	0.000													
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
Year Round Indicator	r	.015	-.015	1											
	p	.263	.263												
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of School Mobility	r	-.054*	.054*	.021	1										
	p	.000	.000	.116											
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
Average Class Size, Grades K-3	r	.078*	-.078**	-.035**	-.106**	1									
	p	.000	.000	.009	.000										
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
Average Class Size, Grades 4-6	r	.090**	-.090**	-.012	-.293**	.589**	1								
	p	.000	.000	.363	.000	0.000									
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Grade 2 Enrollment	r	.007	-.007	.007	-.033*	.064*	.085**	1							
	p	.606	.606	.609	.015	.000	.000								
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Grade 6 Enrollment	r	.017	-.017	.041**	.103*	.070*	.020	-.487**	1						
	p	.211	.211	.002	.000	.000	.140	0.000							
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Grades 7-8 Enrollment	r	-.071*	.071**	-.047*	.039*	-.147*	-.174*	-.472**	.180*	1					
	p	.000	.000	.001	.004	.000	.000	.000	.000						
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Grades 9-11 Enrollment	r	-.077**	.077**	-.010	.225**	-.307**	-.375**	-.213**	.007	.224**	1				
	p	.000	.000	.481	.000	.000	.000	.000	.605	.000					
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Students in GATE	r	.000	.000	.027*	-.214**	-.013	.100**	-.051**	-.006	-.034*	-.071**	1			
	p	.998	.998	.044	.000	.328	.000	.000	.635	.013	.000				
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Students with Disabilities	r	.016	-.016	-.023	.125**	-.107**	-.188**	.044*	-.063*	-.117**	-.082**	-.039**	1		
	p	.245	.245	.084	.000	.000	.000	.001	.000	.000	.000	.004			
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
% of Students in MEP	r	.011	-.011	-.008	.102**	-.016	-.056**	.011	.071**	.014	-.044**	-.136**	-.089**	1	
	p	.403	.403	.567	.000	.246	.000	.397	.000	.299	.001	.000	.000		
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	
School Characteristic Index	r	.109**	-.109**	-.017	-.589**	.044*	.242**	-.005	-.097**	-.055**	-.070**	.326**	-.159**	-.345**	1
	p	.000	.000	.200	0.000	.001	.000	.697	.000	.000	.000	.000	.000	.000	
	N	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores.  
Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

Appendix D

**Correlations for Middle Schools (Weighted by the Number of Tests Contributing to the API)**  
Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=1263)  
Below the diagonal: Correlations based on all schools (n=1,322)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFEP	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
API	r	1	.866**	-.817**	-.661**	-.028	.498**	-.262**	.121**	-.728**	-.084**	.627**	.433**	.045
	p		0.000	.000	.000	.327	.000	.000	.000	.003	.000	.000	.000	.110
	N		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
Average Parent Education	r	.864**	1	-.917**	-.823**	.005	.467**	-.113**	-.182**	-.881**	.005	.752**	.551**	.021
	p	0.000		0.000	0.000	.846	.000	.000	.000	0.000	.847	.000	.000	.460
	N	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% of Students Participating in Free or Reduced-Price Lunch	r	-.817**	-.915**	1	.776**	-.010	-.416**	.195**	-.167**	.828**	.025	-.754**	-.511**	-.036
	p	0.000	0.000		.000	.728	.000	.000	.000	0.000	.373	.000	.000	.201
	N	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% EL and RFEP	r	-.640**	-.806**	.771**	1	-.177**	-.129**	-.076**	-.077**	.790**	-.010	-.788**	-.496**	.010
	p	.000	.000	.000		.000	.000	.007	.006	.000	.716	.000	.000	.722
	N	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263
% American Indian or Alaska Native	r	-.022	.009	-.015	-.180**	1	-.088**	-.036	-.078**	-.147**	-.021	.205**	.035	-.003
	p	.430	.743	.590	.000		.002	.206	.006	.000	.461	.000	.214	.908
	N	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263
% Asian	r	.499**	.470**	-.408**	-.108**	-.087**	1	-.083**	.217**	-.513**	.070	.014	.150**	.145**
	p	.000	.000	.000	.000	.001		.003	.000	.000	.012	.608	.000	.000
	N	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263
% Black or African American	r	-.300**	-.127**	.205**	-.081**	-.037	-.090**	1	.119**	-.066	.277**	-.254**	-.023	.025
	p	.000	.000	.000	.003	.178	.001		.000	.019	.000	.000	.409	.373
	N	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263
% Filipino	r	.128**	.185**	-.173**	-.086**	-.073**	.204**	.089**	1	-.247**	.387**	-.086**	.262**	.002
	p	.000	.000	.000	.002	.008	.000	.001		.000	.000	.002	.000	.942
	N	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263
% Hispanic or Latino	r	-.712**	-.874**	.820**	.780**	-.148**	-.516**	-.077**	-.245**	1	-.131**	-.781**	-.556**	-.115**
	p	.000	0.000	0.000	.000	.000	.000	.005	.000		.000	.000	.000	.000
	N	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263
% Native Hawaiian or Pacific Islander	r	-.088**	.001	.031	-.003	-.020	.072**	.251**	.380**	-.129**	1	-.095**	.089**	.071**
	p	.001	.979	.265	.904	.459	.009	.000	.000	.000		.001	.002	.012
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263
% White	r	.626**	.748**	-.756**	-.787**	.209**	.012	-.258**	-.073**	-.771**	-.096**	1	.436**	.011
	p	.000	.000	.000	.000	.000	.654	.000	.008	.000	.000		.000	.702
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263
% Two or More Races	r	.430**	.547**	-.511**	-.490**	.044	.144**	-.038	.267**	-.549**	.087**	.438**	1	.003
	p	.000	.000	.000	.000	.106	.000	.168	.000	.000	.002	.000		.925
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263
% Missing Race/Ethnicity	r	.021	.011	-.024	.014	-.002	.156**	.056**	.004	-.126**	.090**	-.001	.000	1
	p	.451	.691	.391	.622	.944	.000	.042	.870	.000	.001	.981	.997	
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores.  
Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for Middle Schools (Weighted by the Number of Tests Contributing to the API)**  
Correlations based on all schools (n=1,322)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFP	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
% of Teachers with Full Credentials	r	.147**	.142**	-.146**	-.111**	.026	.013	-.198**	.014	-.070	-.023	.143**	.073**	.014
	p	.000	.000	.000	.000	.338	.646	.000	.611	.011	.414	.000	.008	.622
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Teachers with Emergency Credentials	r	-.147**	-.142**	.146**	.111**	-.026	-.013	.198**	-.014	.070	.023	-.143**	-.073**	-.014
	p	.000	.000	.000	.000	.338	.646	.000	.611	.011	.414	.000	.008	.622
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
Year Round Indicator	r	.009	-.030	.026	.058**	-.015	.068**	-.042	.026	-.003	.005	-.022	-.021	-.009
	p	.751	.279	.341	.035	.574	.014	.128	.337	.912	.845	.421	.441	.745
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of School Mobility	r	-.623**	-.520**	.525**	.253**	.120**	-.290**	.325**	-.152**	.348**	.062**	-.334**	-.227**	-.023
	p	.000	.000	.000	.000	.000	.000	.000	.000	.000	.024	.000	.000	.405
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
Average Class Size, Grades 4-6	r	.278**	.220**	-.202**	-.188**	-.060**	.092**	-.073**	.072**	-.157**	-.013	.148**	.082**	.017
	p	.000	.000	.000	.000	.030	.001	.008	.008	.000	.647	.000	.003	.531
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
Average Class Size, Core	r	.347**	.293**	-.267**	-.217**	-.075**	.188**	-.109**	.105**	-.218**	.043	.167**	.128**	.008
	p	.000	.000	.000	.000	.007	.000	.000	.000	.000	.117	.000	.000	.760
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Grade 2 Enrollment	r	.011	-.025	.048	.041	-.010	.071**	.056	.030	-.020	-.008	-.043	-.007	-.015
	p	.690	.357	.082	.141	.721	.010	.040	.273	.465	.762	.119	.791	.585
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Grades 3-5 Enrollment	r	.057	.010	.000	-.035	.147**	-.039	-.013	-.056	-.044	-.026	.085**	.013	-.026
	p	.039	.722	.997	.198	.000	.160	.648	.042	.110	.343	.002	.646	.336
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Grade 6 Enrollment	r	.043	.063	-.040	-.027	-.025	-.034	.063	.012	-.052	.024	.049	.064	.087**
	p	.117	.021	.141	.331	.371	.222	.023	.666	.057	.384	.078	.021	.002
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Grades 9-11 Enrollment	r	-.011	.010	.014	.002	-.011	-.022	.057	.020	.006	-.029	-.021	.029	-.014
	p	.677	.714	.607	.929	.702	.433	.037	.471	.832	.298	.442	.300	.614
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Students in GATE	r	.336**	.285**	-.239**	-.167**	-.051	.287**	-.018	.136**	-.246**	-.027	.102**	.076**	.170**
	p	.000	.000	.000	.000	.063	.000	.524	.000	.000	.331	.000	.006	.000
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Students with Disabilities	r	-.395**	-.284**	.286**	.153**	.071**	-.271**	.163**	-.041	.194**	.113**	-.133**	-.071**	.043
	p	.000	.000	.000	.000	.010	.000	.000	.140	.000	.000	.000	.010	.121
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
% of Students in MEP	r	-.253**	-.302**	.256**	.311**	.031	-.156**	-.150**	-.091**	.317**	-.092**	-.200**	-.178**	-.025
	p	.000	.000	.000	.000	.258	.000	.000	.001	.000	.001	.000	.000	.373
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
School Characteristic Index	r	.915**	.941**	-.898**	-.709**	-.025	.543**	-.313**	.139**	-.785**	-.096**	.688**	.472**	.030
	p	.000	.000	.000	.000	.358	.000	.000	.000	.000	.000	.000	.000	.279
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for Middle Schools (Weighted by the Number of Tests Contributing to the API)**  
Correlations of schools with at least 50 percent of students with parental education data (n=1,263)

Statistics	Correlations for Middle Schools (Weighted by the Number of Tests Contributing to the API)														
	% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Grades 4-6	Average Class Size, Core	% of Grade 2 Enrollment	% of Grades 3-5 Enrollment	% of Grade 6 Enrollment	% of Grades 9-11 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index	
API	r	-.129*	-.129*	.007	-.617**	-.262**	.329*	.028	.057	.072	.010	.364**	-.375**	-.261**	.913**
	p	.000	.000	.795	.000	.000	.000	.328	.043	.010	.729	.000	.000	.000	0.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
Average Parent Education	r	.138*	-.138*	-.032	-.522**	.213*	.278*	-.010	.013	.080*	.049	.291**	-.278**	-.305**	.945**
	p	.000	.000	.263	.000	.000	.000	.724	.639	.004	.079	.000	.000	.000	0.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% of Students Participating in Free or Reduced-Price Lunch	r	-.139**	.139**	.029	.527**	-.193**	-.255**	.033	.001	-.048	-.019	-.244**	.279**	.260**	-.899**
	p	.000	.000	.309	.000	.000	.000	.242	.980	.091	.492	.000	.000	.000	0.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% EL and RFEP	r	-.115**	.115**	.063	.266**	-.190**	-.219**	.034	-.035	.001	-.029	-.165**	.165**	.315**	-.724**
	p	.000	.000	.025	.000	.000	.000	.222	.215	.985	.303	.000	.000	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% American Indian or Alaska Native	r	.021	-.021	-.016	.127*	-.065*	-.080*	-.005	.148**	-.028	-.001	-.054	.074*	.034	-.032
	p	.464	.464	.568	.000	.020	.004	.848	.000	.328	.972	.056	.008	.232	.255
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Asian	r	.022	-.022	.073*	-.302**	.097**	.175**	.088**	-.035	-.002	-.003	.292**	-.266**	-.151**	.548**
	p	.438	.438	.010	.000	.001	.000	.002	.217	.952	.911	.000	.000	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Black or African American	r	-.142**	.142**	-.044	.302**	-.015	-.073**	.049	-.012	.025	.036	-.071*	.109**	-.149**	-.290**
	p	.000	.000	.121	.000	.583	.010	.079	.671	.384	.200	.012	.000	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Filipino	r	.002	-.002	.025	-.150**	.065*	.102**	.041	-.057*	.010	.042	.143**	-.038	-.093**	.132*
	p	.931	.931	.368	.000	.021	.000	.149	.042	.724	.137	.000	.180	.001	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Hispanic or Latino	r	-.088**	.088**	-.003	.366**	-.167**	-.215**	-.036	-.048	-.052	-.027	-.237**	.200**	.313**	-.797**
	p	.002	.002	.919	.000	.000	.000	.197	.088	.065	.336	.000	.000	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Native Hawaiian or Pacific Islander	r	.013	-.013	.006	.061*	-.008	.047	-.001	-.025	.026	-.022	-.035	.112**	-.088**	-.094**
	p	.650	.650	.832	.030	.776	.098	.970	.377	.357	.436	.213	.000	.002	.001
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% White	r	.134**	-.134**	-.025	-.334**	.136**	.157**	-.032	.087**	.045	.009	.109**	-.123**	-.203**	.687**
	p	.000	.000	.382	.000	.000	.000	.261	.002	.110	.748	.000	.000	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Two or More Races	r	.069*	-.069*	-.023	-.226**	.072*	.121**	.003	.013	.063	.059	.078**	-.066*	-.179**	.473**
	p	.014	.014	.420	.000	.011	.000	.909	.643	.026	.035	.005	.019	.000	.000
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% Missing Race/Ethnicity	r	.035	-.035	-.009	-.064*	.050	.032	-.013	-.027	.079**	-.009	.157**	.040	-.021	.049
	p	.209	.209	.751	.022	.077	.262	.651	.345	.005	.750	.000	.156	.455	.081
	N	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

Appendix D

Correlations for Middle Schools (Weighted by the Number of Tests Contributing to the API)

Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=1263)

Below the diagonal: Correlations based on all schools (n=1,322)

Statistics	% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Grades 4-6	Average Class Size, Core	% of Grade 2 Enrollment	% of Grades 3-5 Enrollment	% of Grade 6 Enrollment	% of Grades 9-11 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index	
% of Teachers with Full Credentials	r	1	-1.000*	.023	-.074*	.033	.090*	-.175**	-.001	-.033	-.048	.071	.029	-.011	.144*
	p		0.000	.404	.008	.236	.001	.000	.959	.241	.085	.011	.306	.691	.000
	N		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% of Teachers with Emergency Credentials	r	-.1000**	1	-.023	.074**	-.033	-.090**	.175**	.001	.033	.048	-.071*	-.029	.011	-.144**
	p	0.000		.404	.008	.236	.001	.000	.959	.241	.085	.011	.306	.691	.000
	N	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
Year Round Indicator	r	.023	-.023	1	-.034	-.050	.018	-.003	-.015	-.009	-.008	-.003	-.039	.015	.008
	p	.406	.406		.221	.078	.513	.901	.587	.756	.775	.923	.167	.588	.774
	N	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
% of School Mobility	r	-.085**	.085**	-.035	1	-.232**	-.280**	.014	-.007	-.136**	.002	-.300**	.295**	.089*	-.678**
	p	.002	.002	.209		.000	.000	.629	.811	.000	.934	.000	.000	.001	.000
	N	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263	1263
Average Class Size, Grades 4-6	r	.062*	-.062*	-.046	-.253**	1	.603**	.017	-.048	.108**	-.026	.220**	-.201**	-.093**	.287**
	p	.025	.025	.091	.000		.000	.543	.087	.000	.364	.000	.000	.001	.000
	N	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263	1263
Average Class Size, Core	r	.100**	-.100**	.019	-.291**	.607**	1	-.032	-.075**	.020	-.091**	.164**	-.215**	-.136**	.360**
	p	.000	.000	.499	.000	.000		.261	.008	.472	.001	.000	.000	.000	.000
	N	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263	1263
% of Grade 2 Enrollment	r	-.145**	.145**	-.004	.014	.028	-.017	1	.152**	-.002	.099**	-.013	-.054	-.013	.025
	p	.000	.000	.877	.604	.315	.547		.000	.933	.000	.654	.054	.636	.381
	N	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263	1263
% of Grades 3-5 Enrollment	r	.004	-.004	-.015	-.012	-.045	-.072**	.152**	1	.023	-.006	-.097**	-.068**	.075**	.061
	p	.891	.891	.589	.663	.104	.009	.000		.405	.828	.001	.015	.008	.029
	N	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263	1263
% of Grade 6 Enrollment	r	-.051	.051	-.007	-.113**	.093**	-.001	-.004	.026	1	-.059	.058	.078**	-.113**	.072
	p	.061	.061	.807	.000	.001	.970	.888	.350		.037	.040	.006	.000	.011
	N	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263	1263
% of Grades 9-11 Enrollment	r	-.038	.038	-.009	-.014	-.013	-.072**	.203**	.022	-.051	1	.006	-.054	-.016	.031
	p	.163	.163	.746	.617	.633	.009	.000	.416	.065		.824	.053	.560	.274
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263	1263
% of Students in GATE	r	.032	-.032	-.003	-.282**	.200	.154**	-.008	-.097**	.063	.000	1	-.129**	-.115**	.399**
	p	.247	.247	.904	.000	.000	.000	.783	.000	.021	.997		.000	.000	.000
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263	1263
% of Students with Disabilities	r	-.009	-.009	-.038	.316**	-.216**	-.231**	-.061	-.072**	.093**	-.072**	-.112**	1	-.067**	-.413**
	p	.742	.742	.163	.000	.000	.000	.027	.009	.001	.009	.000		.017	.000
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263	1263
% of Students in MEP	r	-.002	.002	.015	.084**	-.087**	-.137**	-.017	.072**	-.101**	-.020	-.116**	-.063**	1	-.287**
	p	.929	.929	.581	.002	.002	.000	.543	.008	.000	.468	.000	.023		.000
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322		1263
School Characteristic Index	r	.158**	-.158**	.010	-.679**	.302**	.377**	.014	.061*	.053	-.008	.381**	-.428**	-.282**	1
	p	.000	.000	.728	.000	.000	.000	.614	.027	.054	.760	.000	.000	.000	
	N	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

Appendix D

Correlations for High Schools (Weighted by the Number of Tests Contributing to the API)  
Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=1,204)  
Below the diagonal: Correlations based on all schools (n=1,277)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFEP	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
API	r	1	.822**	-.765**	-.590**	-.059*	.444**	-.322**	.131**	-.650**	-.100**	.549**	.333**	.066
	p		.000	.000	.000	.040	.000	.000	.000	.000	.001	.000	.000	.023
	N	1036	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204
Average Parent Education	r	.819**	1	-.922**	-.813**	.014	.407**	-.115**	.174**	-.871**	.022	.731**	.468**	.027
	p	0.000		0.000	.000	.633	.000	.000	0.000	.453	.000	.000	.000	.353
	N	1277	1036	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204
% of Students Participating in Free or Reduced-Price Lunch	r	-.761**	-.909**	1	.786**	-.015	-.331**	.200**	-.152**	.815**	-.005	-.740**	-.461**	-.032
	p	.000	0.000		.000	.607	.000	.000	.000	.000	.875	.000	.000	.261
	N	1277	1036	1036	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204
% EL and RFEP	r	-.576**	-.781**	.784**	1	-.187**	-.084**	-.053	-.039	.795**	-.040	-.788**	-.458**	-.004
	p	.000	.000	.000		.000	.004	.066	.178	.000	.165	.000	.000	.881
	N	1277	1277	1277	1036	1204	1204	1204	1204	1204	1204	1204	1204	1204
% American Indian or Alaska Native	r	-.018	.051	-.054	-.200**	1	-.092**	-.035	-.068	-.157**	-.003	.195**	.045	.000
	p	.527	.068	.055	.000		.001	.227	.018	.000	.930	.000	.117	.989
	N	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204	1204	1204	1204
% Asian	r	.450**	.417**	-.319**	-.050	-.067**	1	-.044	.232**	-.461**	.072	-.071	.084**	.152**
	p	.000	.000	.000	.073	.016		.128	.000	.000	.012	.014	.004	.000
	N	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204	1204	1204	1204
% Black or African American	r	-.335**	-.130**	.193**	-.072	-.048	-.077**	1	.129**	-.060	.342**	-.257**	.022	.020
	p	.000	.000	.000	.010	.085	.006		.000	.037	.000	.000	.446	.499
	N	1277	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204	1204	1204
% Filipino	r	.136**	.173**	-.154**	-.049	-.074**	.220**	.101**	1	-.207**	.353**	-.147**	.187**	-.016
	p	.000	.000	.000	.080	.008	.000	.000		.000	.000	.000	.000	.568
	N	1277	1277	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204	1204
% Hispanic or Latino	r	-.652**	-.863**	.813**	.779**	-.180**	-.470**	-.060	-.209**	1	-.150**	-.772**	-.489**	-.093**
	p	.000	0.000	.000	.000	.000	.000	.032	.000		.000	.000	.000	.001
	N	1277	1277	1277	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204
% Native Hawaiian or Pacific Islander	r	-.096**	.024	.000	-.034	.003	.082**	.298**	.354**	-.154**	1	-.088**	.143**	.018
	p	.001	.396	.997	.220	.909	.003	.000	.000	.000		.002	.000	.544
	N	1277	1277	1277	1277	1277	1277	1277	1036	1204	1204	1204	1204	1204
% White	r	.553**	.720**	-.746**	-.787**	.215**	-.071**	-.256**	-.135**	-.761**	-.085**	1	.353**	-.012
	p	.000	.000	.000	.000	.000	.011	.000	.000	.000	.002		.000	.680
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1036	1204	1204	1204
% Two or More Races	r	.340**	.467**	-.465**	-.458**	.033	.079**	-.002	.197**	-.483**	.133**	.360**	1	.018
	p	.000	.000	.000	.000	.239	.005	.946	.000	.000	.000	.000		.534
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1036	1204	1204
% Missing Race/Ethnicity	r	.027	.016	-.018	.012	.026	.175**	-.019	.004	-.107**	.064	-.022	.002	1
	p	.344	.558	.519	.661	.348	.000	.489	.886	.000	.022	.433	.954	
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1036	1204

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores.  
Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for High Schools (Weighted by the Number of Tests Contributing to the API)**  
Correlations based on all schools (n=1,277)

Statistics	API	Average Parent Education	% of Students Participating in Free or Reduced-Price Lunch	% EL and RFEP	% American Indian or Alaska Native	% Asian	% Black or African American	% Filipino	% Hispanic or Latino	% Native Hawaiian or Pacific Islander	% White	% Two or More Races	% Missing Race/Ethnicity	
% of Teachers with Full Credentials	r	.188**	.149**	-.160**	-.049	.022	.077**	-.254**	.057	-.085**	-.020	.128**	.025	.003
	p	.000	.000	.000	.080	.436	.006	.000	.041	.002	.484	.000	.377	.926
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Teachers with Emergency Credentials	r	-.188**	-.149**	.160**	.049	-.022	-.077**	.254**	-.057	.085**	.020	-.128**	-.025	-.003
	p	.000	.000	.000	.080	.436	.006	.000	.041	.002	.484	.000	.377	.926
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
Year Round Indicator	r	-.080**	-.070*	.065*	-.014	.008	-.061**	.010	-.047	.055	-.025	-.022	-.004	-.005
	p	.004	.012	.021	.624	.788	.029	.728	.095	.050	.370	.439	.877	.852
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of School Mobility	r	-.464**	-.297**	.286**	.049	.079**	-.207**	.227**	-.100**	.169**	.056*	-.136**	-.059*	-.013
	p	.000	.000	.000	.081	.005	.000	.000	.000	.000	.045	.000	.036	.638
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
Average Class Size, Core	r	.262**	.129**	-.110**	.048	-.149**	-.176**	-.072*	.095**	-.008	-.064*	-.069*	-.057*	-.030
	p	.000	.000	.000	.090	.000	.000	.010	.001	.765	.023	.014	.043	.280
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Grade 2 Enrollment	r	-.059*	.040	-.002	-.105**	.058*	-.050	.008	-.025	-.079**	.002	.118**	.033	-.013
	p	.034	.158	.936	.000	.037	.074	.768	.371	.005	.935	.000	.240	.654
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Grades 3-5 Enrollment	r	-.043	.041	-.001	-.103**	.059*	-.049	.004	-.024	-.078**	.002	.120**	.015	-.018
	p	.122	.145	.976	.000	.035	.080	.900	.385	.005	.937	.000	.600	.532
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Grade 6 Enrollment	r	-.015	-.005	.056*	-.010	.011	-.052	.076**	-.010	-.003	.005	.006	.027	-.005
	p	.593	.855	.045	.722	.702	.061	.006	.726	.922	.867	.828	.343	.858
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Grades 7-8 Enrollment	r	.040	.039	.010	-.059*	.023	-.034	.047	.013	-.032	.009	.031	.057*	-.012
	p	.152	.160	.712	.034	.404	.229	.095	.642	.258	.748	.273	.043	.673
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Students in GATE	r	.369**	.282**	-.247**	-.177**	-.056*	.212**	-.079**	.109**	-.224**	-.046	.136**	.086**	.113**
	p	.000	.000	.000	.000	.046	.000	.005	.000	.000	.100	.000	.002	.000
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Students with Disabilities	r	-.478**	-.287**	.251**	.163**	.054	-.262**	.142**	-.054	.195**	.123**	-.107**	-.094**	-.046
	p	.000	.000	.000	.000	.052	.000	.000	.055	.000	.000	.000	.001	.104
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
% of Students in MEP	r	-.208**	-.286**	.209**	.275**	-.011	-.153**	-.159**	-.115**	.309**	-.129**	-.172**	-.163**	-.023
	p	.000	.000	.000	.000	.707	.000	.000	.000	.000	.000	.000	.000	.407
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
School Characteristic Index	r	.913**	.889**	-.840**	-.636**	-.031	.487**	-.368**	.149**	-.714**	-.106**	.609**	.374**	.045
	p	0.000	0.000	0.000	.000	.267	.000	.000	.000	.000	.000	.000	.000	.109
	N	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores. Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).

DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for High Schools (Weighted by the Number of Tests Contributing to the API)**  
Correlations of schools with at least 50 percent of students with parental education data (n=1204)

	Statistics		% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Core	% of Grade 2 Enrollment	% of Grades 3-5 Enrollment	% of Grade 6 Enrollment	% of Grades 7-8 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index
	r	p													
API	r	.174**	-.174**	-.083**	-.454**	.242**	-.058*	-.041	-.007	.048	.372**	-.468**	-.215**	.911**	
	p	.000	.000	.004	.000	.000	.046	.158	.096	.000	.000	.000	.000	0.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204
Average Parent Education	r	.144**	-.144**	-.071*	-.290**	.112**	.049	.050	.003	.047	.281**	-.278**	-.294**	.898**	
	p	.000	.000	.013	.000	.000	.086	.084	.926	.105	.000	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% of Students Participating in Free or Reduced-Price Lunch	r	-.162**	.162**	.068*	.283**	-.101**	-.012	-.009	.050	.006	-.241**	.238**	.215**	-.842**	
	p	.000	.000	.018	.000	.000	.674	.744	.081	.824	.000	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% EL and RFP	r	-.060*	.060*	-.008	.045	.048	-.123**	-.119**	-.015	-.061*	-.174**	.147**	.294**	-.648**	
	p	.038	.038	.771	.118	.096	.000	.000	.599	.033	.000	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% American Indian or Alaska Native	r	.010	-.010	.011	.102**	-.171**	.069*	.070**	.014	.030	-.062*	.063*	.001	-.065*	
	p	.728	.728	.699	.000	.000	.017	.016	.620	.297	.030	.028	.986	.024	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Asian	r	.061*	-.061*	-.061*	-.205**	.162**	-.053	-.051	-.047	-.024	.208**	-.268**	-.147**	.490**	
	p	.034	.034	.034	.000	.000	.068	.079	.102	.402	.000	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Black or African American	r	-.233**	.233**	.012	.229**	-.044	.016	.010	.088**	.056	-.090**	.144**	-.169**	-.354**	
	p	.000	.000	.681	.000	.124	.579	.722	.002	.053	.002	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Filipino	r	.053	-.053	-.048	-.099**	.096**	-.028	-.027	-.011	.012	.103**	-.052	-.119**	.142**	
	p	.067	.067	.097	.001	.001	.331	.346	.715	.683	.000	.069	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Hispanic or Latino	r	-.087**	.087**	.055	.163**	.004	-.092**	-.090**	-.010	-.038	-.215**	.182**	.312**	-.715**	
	p	.003	.003	.054	.000	.885	.001	.002	.736	.187	.000	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Native Hawaiian or Pacific Islander	r	.010	-.010	-.025	.057*	-.067*	.006	.006	-.005	.004	-.050	.121**	-.132**	-.110**	
	p	.728	.728	.386	.046	.019	.826	.834	.876	.900	.080	.000	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% White	r	.128**	-.128**	-.024	-.129**	-.080**	.129**	.130**	.008	.030	.134**	-.091**	-.180**	.603**	
	p	.000	.000	.405	.000	.005	.000	.000	.778	.302	.000	.002	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Two or More Races	r	.018	-.018	-.006	-.054	-.065*	.038	.018	.030	.058*	.085**	-.087**	-.168**	.365**	
	p	.526	.526	.847	.063	.025	.191	.540	.295	.046	.003	.003	.000	.000	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	
% Missing Race/Ethnicity	r	-.011	.011	-.003	-.039	-.014	-.010	-.015	-.011	-.014	.114**	-.071*	-.024	.069*	
	p	.693	.693	.928	.175	.634	.739	.592	.696	.617	.000	.014	.397	.016	
	N	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	1204	

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores.  
Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).



DESCRIPTIVE STATISTICS AND CORRELATION TABLES FOR  
CALIFORNIA'S 2013 SCHOOL CHARACTERISTICS INDEX AND SIMILAR SCHOOLS RANKS

**Appendix D**  
**Correlations for High Schools (Weighted by the Number of Tests Contributing to the API)**  
Above the diagonal: Correlations of schools with at least 50 percent of students with parental education data (n=1204)  
Below the diagonal: Correlations based on all schools (n=1277)

Statistics	% of Teachers with Full Credentials	% of Teachers with Emergency Credentials	Year Round Indicator	% of School Mobility	Average Class Size, Core	% of Grade 2 Enrollment	% of Grades 3-5 Enrollment	% of Grade 6 Enrollment	% of Grades 7-8 Enrollment	% of Students in GATE	% of Students with Disabilities	% of Students in MEP	School Characteristic Index
<b>% of Teachers with Full Credentials</b>	r 1 p 0.000 N 1204	-1.000** 0.000 1204	-.282** .000 1204	-.278** .000 1204	.205** .000 1204	-.031 .282 1204	-.004 .878 1204	-.094** .001 1204	-.111** .000 1204	.166** .000 1204	.023 .421 1204	-.001 .960 1204	.191** .000 1204
<b>% of Teachers with Emergency Credentials</b>	-1.000** 0.000 1277	r 1 p 0.000 N 1277	.282** .000 1204	.278** .000 1204	-.205** .000 1204	.031 .282 1204	.004 .878 1204	.094** .001 1204	.111** .000 1204	-.166** .000 1204	-.023 .421 1204	.001 .960 1204	-.191** .000 1204
<b>Year Round Indicator</b>	-.265** .000 1277	.265** .000 1277	r 1 p 0.000 N 1277	.470** .000 1204	-.340** .000 1204	.012 .673 1204	.008 .770 1204	-.006 .840 1204	.052 .073 1204	-.085** .003 1204	-.067 .020 1204	-.019 .513 1204	-.090** .002 1204
<b>% of School Mobility</b>	-.268** .000 1277	.268** .000 1277	.467** .000 1277	r 1 p 0.000 N 1277	-.596** .000 1204	.318** .000 1204	.322** .000 1204	.118** .000 1204	.166** .000 1204	-.251** .000 1204	.130** .000 1204	-.009 .765 1204	-.499** .000 1204
<b>Average Class Size, Core</b>	.202 .000 1277	-.202** .000 1277	-.334** .000 1277	-.597** .000 1277	r 1 p 0.000 N 1277	-.443** .000 1204	-.425** .000 1204	-.188** .000 1204	-.214** .000 1204	.252** .000 1204	-.065 .023 1204	-.105** .000 1204	.266** .000 1204
<b>% of Grade 2 Enrollment</b>	-.026 .353 1277	.026 .353 1277	.012 .677 1277	.302** .000 1277	-.424** .000 1277	r 1 p 0.000 N 1277	.901** 0.000 1204	.422** .000 1204	.285** .000 1204	-.122** .000 1204	-.022 .452 1204	-.042 .143 1204	-.062 .032 1204
<b>% of Grades 3-5 Enrollment</b>	-.002 .945 1277	.002 .945 1277	.008 .769 1277	.308** .000 1277	-.410** .000 1277	.906** 0.000 1277	r 1 p 0.000 N 1277	.471** .000 1204	.328** .000 1204	-.086** .003 1204	-.041 .154 1204	-.046 .113 1204	-.049 .087 1204
<b>% of Grade 6 Enrollment</b>	-.092 .001 1277	.092** .001 1277	-.006 .842 1277	.113** .000 1277	-.189** .000 1277	.418** .000 1277	.465** .000 1277	r 1 p 0.000 N 1277	.638** .000 1204	-.024 .399 1204	-.084** .004 1204	-.062 .033 1204	-.009 .761 1204
<b>% of Grades 7-8 Enrollment</b>	-.106 .000 1277	.106** .000 1277	.051 .066 1277	.161** .000 1277	-.215** .000 1277	.285** .000 1277	.327** .000 1277	.647** .000 1277	r 1 p 0.000 N 1277	.000 .989 1204	-.115** .000 1204	-.051 .078 1204	.053 .066 1204
<b>% of Students in GATE</b>	.155 .000 1277	-.155** .000 1277	-.084** .003 1277	-.254** .000 1277	.252** .000 1277	-.117** .000 1277	-.083** .003 1277	-.023 .409 1277	-.001 .960 1277	r 1 p 0.000 N 1277	-.158** .000 1204	-.097** .001 1204	.409** .000 1204
<b>% of Students with Disabilities</b>	.009 .752 1277	-.009 .752 1277	-.068 .015 1277	.139** .000 1277	-.081** .004 1277	-.021 .444 1277	-.040 .154 1277	-.076** .006 1277	-.110** .000 1277	-.163** .000 1277	r 1 p 0.000 N 1277	-.080** .006 1204	-.514** .000 1204
<b>% of Students in MEP</b>	-.008 .773 1277	.008 .773 1277	-.018 .528 1277	-.008 .777 1277	-.107** .000 1277	-.040 .149 1277	-.044 .118 1277	-.060 .033 1277	-.048 .084 1277	-.095** .001 1277	-.071 .012 1277	r 1 p 0.000 N 1277	-.237** .000 1204
<b>School Characteristic Index</b>	.200 .000 1277	-.200** .000 1277	-.085** .002 1277	-.502** .000 1277	.280** .000 1277	-.061 .030 1277	-.049 .082 1277	-.013 .643 1277	.049 .082 1277	.408** .000 1277	-.525** .000 1277	-.229** .000 1277	r 1 p 0.000 N 1277

\* Correlation is significant at the 0.05 level (2-tailed).  
\*\* Correlation is significant at the 0.01 level (2-tailed).

Note: Correlations are bivariate with each observation (school) weighted by the number of valid test scores.  
Each cell contains the correlation (r--top), its statistical significance (P--middle), and the total number of cases (N--bottom).