

A STUDY EXAMINING CORRELATIONS BETWEEN API SCORES AND COLLEGE ATTENDANCE RATES



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API SCORES

- Used for accountability purposes
- Measures school progress in meeting state API goal of 800
- CPEC Studies
 - API Scores and Academic Preparation
- 50 point increase in API scores raises UC eligibility by 28% and CSU by 19%
 - Latino students: 11% UC increase, 5% CSU increase
 - College Attendance Rates by API Rank



CPEC API RANK & COLLEGE ATTENDANCE TABLE

API Rank	2000 College Going Rate %	2000 UC College Going Rate %	2007 College Going Rate %	2007 UC College Going Rate %
1	43.6%	3.7%	42.3%	4.2%
2	41.3%	3.8%	43.7%	4.9%
3	43.0%	4.7%	47.1%	5.5%
4	47.2%	4.8%	48.3%	5.9%
5	44.9%	6.0%	45.9%	5.8%
6	44.7%	6.4%	49.6%	5.8%
7	44.6%	6.1%	50.4%	6.6%
8	49.6%	7.9%	54.7%	8.0%
9	54.5%	9.7%	56.4%	10.2%
10	51.0%	16.5%	55.8%	16.3%



FACTORS WHICH AFFECT COLLEGE ATTENDANCE RATES

- High School Curricula
- School Culture
- Student Demographics
- School Size



A ROADMAP FOR SUCCESS

- Students with 3.75 units in English, 3.75 units in math with at least one course in pre-calculus, calculus or trigonometry, 2.5 units in science, 1 unit in computer science, 2 foreign language units, 2 history units, 1 AP course & no remedial English or math courses = **95% college graduation rate**
- Students from low socioeconomic backgrounds were less likely to attend a high school offering high level math courses.
- Hypothetical increases in graduation rates adjusted for lack of equity: Hispanics 52%, African-American 26%, White 27%, Asian 35%.



RESEARCH QUESTIONS

- Are changes in API scores correlated with college attendance rates?
- Are changes in API scores correlated with college attendance rates for gender and ethnic groups?
- Are changes in API scores correlated with college attendance rates for gender and ethnic groups by college system (UC,CSU,CCC)?



API SCORES CHANGES 1999 - 2007

API Start	N	Mean	SD	Range	Kurtosis	Skewness
3	7	44.37	16.45	53.35	2.85	1.22
4	11	35.09	13.72	49.33	.58	-.47
5	16	21.04	9.53	43.27	2.42	.51
6	15	12.23	7.06	29.50	1.49	.72
7	14	5.52	3.62	13.52	.57	-.58
8	10	3.58	2.60	7.12	-.42	-1.04
9	4	1.40	1.94	4.73	1.51	-.41
Total	77	17.34	16.17	79.26	1.37	1.22



CHANGES IN COLLEGE ATTENDANCE RATES

API Start	N	Mean	SD	Range	Kurtosis	Skewness
3	7	205.77	362.51	1008.33	5.96	2.40
4	11	6.88	41.29	134.99	-.73	-.08
5	16	5.52	31.53	114.05	-.72	.15
6	15	18.95	59.31	183.97	-.63	.67
7	14	48.04	98.62	377.50	5.12	2.11
8	10	21.67	36.54	107.51	-.14	.97
9	4	16.59	17.43	41.85	.41	.17
Total	77	36.94	127.98	1068.71	44.64	6.08

