



2013 College-Bound Seniors

State Profile Report



CALIFORNIA

Included in This Report

SAT[®] Data

SAT Subject Tests[™] Data

Demographic and Academic Information

College Plans

DATA EMBARGO IN EFFECT *This report contains information on college-bound students in the class of 2013 who took the SAT[®] or SAT Subject Tests[™] at any time during high school. **Data and other information in this report are embargoed from dissemination to the media and general public until the College Board's press conference in mid-September.** You may use the data and other information in this report for internal purposes prior to the College-Bound Seniors press conference. If you have any questions about the embargo or the College-Board national press conference, please contact the College Board communications department at communications@collegeboard.org.*

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The SAT® Program

The SAT® (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. College-Bound Seniors 2013 includes students who tested through June 2013.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2013 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

- Interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors.
- Study changes over time in the characteristics of students taking SAT tests.
- Look at year-to-year educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- Relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT and in schoolwork.
- Not all students in a high school, school district or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT scores to compare or evaluate teachers, schools, districts, states or other educational units is not valid, and the College Board strongly discourages such uses.
- Interpreting SAT scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship

programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board website at www.collegeboard.org.

Mean

The *mean* is the arithmetic average.

Percentile

The *percentile*, also called the *percentile point*, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the *median* and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200- to 800-point scale.

Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

About the College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity. Founded in 1900, the College Board was created to expand access to higher education. Today, the membership association is made up of over 6,000 of the world's leading educational institutions and is dedicated to promoting excellence and equity in education. Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success — including the SAT® and the Advanced Placement Program® (AP®). The organization also serves the education community through research and advocacy on behalf of students, educators and schools. For further information, visit www.collegeboard.org.

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2013

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2013, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see www.collegeboard.org/cbs.

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SAT® Data

Data in this report are for high school graduates in the year 2013. Information is summarized for seniors who took the SAT at any time during their high school years through June 2013. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	234,767	498	113	512	119	495	112	49.4	11.3	7.3	1.5

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	105,462	504	115	534	120	494	114	49.6	11.4	7.2	1.6
Female	129,305	492	112	494	116	495	111	49.2	11.3	7.4	1.4

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the SAT.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2012-2013)	163,609	490	107	504	114	486	105	48.5	10.6	7.2	1.5
Junior (2011-2012)	70,812	514	125	529	130	515	126	51.4	12.6	7.5	1.6
Sophomore (2010-2011)	322	599	148	625	147	601	153	60.2	14.8	8.1	2.0
Freshman (2009-2010)	24	490		559		490		48.8		7.4	
Total	234,767	498	113	512	119	495	112	49.4	11.3	7.3	1.5

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,660,047	496	115	514	118	488	114	49.0	11.5	7.1	1.6

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2013 cohort took the SAT writing section. The writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

SAT Data

Table 5: Percentiles for State and Total Group

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	570	590	570	570	600	560
50th	490	510	480	490	510	480
25th	420	430	410	420	430	410

Table 6: Score Distributions

The score ranges in the following table reflect SAT Skills Insight™, a resource that identifies skills demonstrated by typical students who score in each range. For more information and resources for educators and students, please visit www.collegeboard.org/sat-skills.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	6,028	5,684	11,712	10,608	6,550	17,158	5,713	6,684	12,397
600-690	16,858	17,783	34,641	22,412	19,067	41,479	14,487	17,721	32,208
500-590	31,037	36,527	67,564	31,702	35,778	67,480	28,297	35,626	63,923
400-490	33,784	44,651	78,435	27,331	41,691	69,022	36,239	45,507	81,746
300-390	14,849	20,856	35,705	11,225	21,925	33,150	18,083	21,109	39,192
200-290	2,906	3,804	6,710	2,184	4,294	6,478	2,643	2,658	5,301

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	200,900	88	44	56	492	508	489
Religiously Affiliated	21,540	9	49	51	535	537	536
Independent	6,241	3	48	52	585	598	590
Other or Unknown	6,086		46	54	450	452	445

Table 8: Test-Taking Conditions

Nonstandard conditions reflect test-takers who received an accommodation. *Disabling conditions* are self-reported student responses.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Disabling Conditions	9,322	4	488	115	491	119	478	111
Nonstandard Conditions	2,915	1	518	125	525	134	521	124

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	1,530	1	499	101	498	106	483	98
Asian, Asian American, or Pacific Islander	48,502	21	525	119	575	121	526	125
Black or African American	15,113	6	448	101	439	104	441	96
Mexican or Mexican American	55,335	24	449	94	458	97	447	88
Puerto Rican	833	0	498	105	492	108	487	104
Other Hispanic, Latino, or Latin American	27,213	12	438	101	443	103	438	95
White	71,250	30	547	101	551	103	540	101
Other	9,450	4	523	114	529	118	521	114
No Response	5,541	2	500	114	502	115	490	110
Total	234,767	100	498	113	512	119	495	112

Table 10: Male Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	693	0	500	107	519	111	482	103
Asian, Asian American, or Pacific Islander	23,425	10	528	120	590	121	523	126
Black or African American	6,782	3	445	102	449	108	433	97
Mexican or Mexican American	23,549	10	455	96	479	99	445	90
Puerto Rican	372	0	498	108	509	115	481	108
Other Hispanic, Latino, or Latin American	10,623	5	448	102	467	106	440	96
White	33,310	14	551	103	571	104	536	103
Other	4,004	2	526	116	550	117	517	116
No Response	2,704	1	502	114	519	114	484	109
Total	105,462	45	504	115	534	120	494	114

Table 11: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	837	0	497	95	480	98	484	93
Asian, Asian American, or Pacific Islander	25,077	11	522	118	560	120	530	123
Black or African American	8,331	4	452	99	431	100	448	94
Mexican or Mexican American	31,786	14	444	92	443	92	449	86
Puerto Rican	461	0	497	102	478	99	491	100
Other Hispanic, Latino, or Latin American	16,590	7	432	99	427	98	437	94
White	37,940	16	543	99	534	99	544	99
Other	5,446	2	520	113	513	115	524	113
No Response	2,837	1	498	114	487	115	496	111
Total	129,305	55	492	112	494	116	495	111

Demographic Information

SAT: Student Background Information and Characteristics

Table 12: Student Background Information and Characteristics

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	234,767	100	498	113	512	119	495	112
First Language Learned								
English	121,794	54	520	107	524	112	512	107
English and Another	60,600	27	477	114	494	125	478	115
Another Language	42,732	19	459	113	497	125	463	113
No Response	9,641		519	122	535	128	517	122
Citizenship								
U.S. Citizen / U.S. National	204,308	94	502	112	512	118	498	111
U.S. Permanent Resident or Refugee	8,386	4	476	122	529	132	480	126
Citizen of Another Country	5,287	2	445	109	512	132	455	110
Other, Unknown, or No Response	16,786		473	123	496	129	473	120
Plans to Apply for Financial Aid								
Yes	159,091	79	490	109	501	115	486	107
No	10,555	5	537	112	556	117	540	115
Don't Know	32,139	16	520	115	541	121	518	117
No Response	32,982		500	127	518	132	500	126
Family Income								
\$0 - \$20,000	20,646	18	435	97	452	106	433	92
\$20,000–\$40,000	22,399	19	461	98	476	105	457	94
\$40,000–\$60,000	15,880	14	485	100	496	107	479	97
\$60,000–\$80,000	12,510	11	503	100	512	106	496	97
\$80,000–\$100,000	10,481	9	516	100	529	106	510	100
\$100,000–\$120,000	9,571	8	528	103	539	108	522	103
\$120,000–\$140,000	5,175	4	533	102	542	108	527	103
\$140,000–\$160,000	4,303	4	536	101	551	107	532	102
\$160,000–\$200,000	5,766	5	547	103	561	109	545	105
More than \$200,000	8,427	7	573	105	589	109	577	110
No Response	119,609		502	118	517	124	500	117
Highest Level of Parental Education								
No High School Diploma	29,677	14	430	92	449	101	432	86
High School Diploma	67,776	32	470	97	482	106	465	94
Associate Degree	14,294	7	489	95	497	103	482	93
Bachelor's Degree	55,988	26	534	102	549	109	530	104
Graduate Degree	43,565	21	575	111	587	116	574	114
No Response	23,467		435	106	455	113	434	102
Took the PSAT/NMSQT®								
Yes, As a Junior	61,138	29	502	110	515	115	499	108
Yes, As a Sophomore or Younger	45,676	22	502	109	517	117	499	109
Yes, As a Junior and As a Sophomore or Younger	49,999	24	536	113	550	116	536	113
No	52,818	25	459	103	471	110	453	98
No Response	25,136		484	124	502	130	484	123

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	28,300	34	44	56	577	602	577
Second Tenth	22,770	27	47	53	504	527	501
Second Fifth	15,707	19	51	49	477	492	471
Final Three Fifths	17,063	20	48	52	435	443	431
No Response	150,927		44	56	491	502	488

Table 14: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	10,281	5	40	60	590	608	591
A (93–96)	39,447	19	40	60	563	586	566
A- (90–92)	42,195	20	43	57	528	550	528
B (80–89)	97,989	46	46	54	467	477	462
C (70–79)	20,580	10	54	46	417	421	411
D, E, or F (below 70)	405	0	58	42	430	429	420
No Response	23,870		46	54	492	503	486
Mean Grade Point Average	All Students: 3.34		Male: 3.28		Female: 3.38		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.8	2.0	1.9	3.72	3.83	3.78
English and Language Arts	3.9	3.9	3.9	3.30	3.49	3.40
Foreign and Classical Languages	2.7	2.8	2.8	3.27	3.49	3.39
Mathematics	3.8	3.8	3.8	3.13	3.06	3.09
Natural Sciences	3.3	3.3	3.3	3.26	3.26	3.26
Social Sciences and History	3.3	3.3	3.3	3.40	3.42	3.41
Total for All Subjects	18.8	19.1	19.0			

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	15,247	8	45	55	518	536	517
4 Years	151,729	79	44	56	504	517	500
3 Years	20,027	10	43	57	450	461	449
2 Years	3,076	2	47	53	471	492	472
1 Year	1,417	1	44	56	454	470	453
1/2 Year or Less	1,680	1	51	49	430	451	427
No Response	41,591		49	51	496	513	495
AP®/Honors Courses	89,924	47	38	62	545	553	542
Course Work or Experience							
English/Language Arts	175,544	97	44	56	498	510	494
Journalism	14,899	8	34	66	514	512	514
Creative Writing	24,019	13	40	60	500	504	499
American Literature	101,351	56	43	57	505	516	502
Composition/Writing	74,864	41	43	57	499	508	496
British Literature	28,749	16	43	57	533	538	527
World Literature	44,247	24	44	56	514	524	510
Communications	8,435	5	43	57	486	502	486
Public Speaking	19,409	11	42	58	511	517	508
English As Second Language	9,985	6	40	60	427	483	433

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	22,647	12	49	51	535	569	533
4 Years	117,915	61	44	56	509	525	506
3 Years	44,255	23	41	59	458	456	453
2 Years	4,938	3	45	55	450	453	448
1 Year	1,338	1	48	52	468	491	465
1/2 Year or Less	2,007	1	46	54	432	437	428
No Response	41,667		48	52	496	512	495
AP/Honors Courses	74,036	38	46	54	555	590	553
Highest Level of Mathematics Achieved*							
Calculus	61,564	33	49	51	558	599	556
Pre-calculus	55,882	30	42	58	492	505	488
Geometry	68,251	36	41	59	450	441	445
Algebra II	1,643	1	45	55	467	471	464
Algebra I	522	0	42	58	397	362	392

*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	13,142	7	47	53	549	576	548	
4 Years	74,871	40	45	55	526	543	524	
3 Years	67,157	35	42	58	480	489	476	
2 Years	23,992	13	45	55	459	467	454	
1 Year	6,294	3	46	54	462	478	457	
1/2 Year or Less	4,057	2	43	57	426	439	426	
No Response	45,254		48	52	493	509	492	
AP/Honors Courses	67,397	36	44	56	561	585	558	
Course Work or Experience								
Biology	180,861	98	44	56	498	511	494	
Chemistry	168,573	91	43	57	501	516	498	
Physics	93,033	50	50	50	520	544	516	
Geology, Earth, or Space Science	65,603	36	44	56	485	491	481	
Other Sciences	64,084	35	38	62	494	502	490	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	10,063	5	46	54	537	550	536	
4 Years	77,954	41	44	56	516	525	513	
3 Years	76,164	40	44	56	490	507	486	
2 Years	22,366	12	46	54	459	477	456	
1 Year	2,893	2	46	54	458	483	458	
1/2 Year or Less	2,240	1	49	51	429	451	427	
No Response	43,087		48	52	494	511	494	
AP/Honors Courses	79,560	42	43	57	551	562	547	
Course Work or Experience								
U.S. History	178,515	97	44	56	497	510	493	
World History or Cultures	156,302	85	44	56	495	509	492	
U.S. Government or Civics	144,933	79	43	57	500	512	496	
Economics	126,065	68	42	58	498	512	493	
Geography	50,161	27	44	56	502	513	497	
Psychology	48,528	26	36	64	518	523	513	
European History	35,264	19	45	55	550	559	545	
Sociology	12,084	7	38	62	491	494	485	
Ancient History	12,096	7	48	52	523	528	518	
Other Courses	13,479	7	43	57	520	529	517	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 18: Foreign and Classical Languages

Foreign and Classical Languages	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Years of Study							
More Than 4 Years	7,956	4	40	60	556	577	562
4 Years	33,609	18	40	60	552	566	555
3 Years	74,436	39	43	57	510	526	507
2 Years	63,857	33	47	53	461	471	453
1 Year	6,357	3	47	53	432	444	427
1/2 Year or Less	5,413	3	50	50	429	452	424
No Response	43,139		49	51	495	512	494
AP/Honors Courses	39,910	21	38	62	547	564	550
Course Work or Experience							
Chinese	7,075	4	49	51	536	599	537
French	27,282	15	36	64	513	517	508
German	2,974	2	52	48	531	533	518
Greek	244	0	46	54	532	525	524
Hebrew	597	0	42	58	546	549	560
Italian	1,558	1	39	61	507	506	502
Japanese	4,119	2	48	52	541	571	529
Korean	1,059	1	47	53	514	579	525
Latin	3,425	2	51	49	565	562	557
Russian	465	0	49	51	479	495	486
Spanish	140,813	76	44	56	492	504	490
Other Languages	7,006	4	40	60	476	491	468

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Years of Study							
More Than 4 Years	8,137	4	39	61	538	546	536
4 Years	23,277	12	38	62	536	541	532
3 Years	21,516	11	39	61	503	510	500
2 Years	47,201	25	44	56	494	507	491
1 Year	70,724	37	47	53	494	513	490
1/2 Year or Less	18,215	10	47	53	454	469	452
No Response	45,697		49	51	495	512	495
AP/Honors Courses	12,181	6	38	62	566	576	564
Course Work or Experience							
Acting or Play Production	24,570	14	33	67	528	520	523
Art History or Appreciation	34,173	19	42	58	493	501	490
Dance	26,286	15	13	87	489	493	492
Drama: Study or Appreciation	27,429	15	33	67	503	501	499
Music: Study or Appreciation	18,246	10	48	52	531	538	527
Music Performance	55,103	31	43	57	522	535	519
Photography or Film	46,153	26	41	59	499	508	496
Studio Art and Design	45,284	25	40	60	509	520	505
None	25,232	14	55	45	463	486	459

Computers	Test-Takers		Percent by Gender		SAT Mean Scores		
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	89,173	52	45	55	506	517	501
Computer Programming	28,269	16	57	43	498	522	495
Word Processing	79,630	46	43	57	508	519	503
Internet Activity	64,170	37	44	56	511	522	507
Using Computer Graphics	50,722	30	50	50	504	518	498
Creating Spreadsheets/Databases	39,185	23	45	55	515	528	509
None	45,203	26	39	61	490	504	489

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

SAT Subject Tests™ Data

Table 20: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
56,822	141,431	54,038	587	619	593

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	7,935	14
2	22,289	39
3	19,875	35
4 or More	6,723	12

Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

Most, but not all, students who take SAT Subject Tests also take the SAT. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT scores for those students who also took the SAT.

	SAT Subject Test			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	18,151	573	115	17,206	590	119	582	115	592	119
History and Social Studies										
U.S. History	24,003	627	113	22,883	606	108	618	108	609	112
World History	3,751	603	116	3,506	621	109	628	113	622	112
Mathematics										
Mathematics Level 1	6,288	551	110	5,894	534	112	568	112	538	112
Mathematics Level 2	35,522	652	105	34,140	603	109	654	98	612	111
Science										
Biology-E	7,930	615	112	7,606	603	108	625	109	608	112
Biology-M	9,593	645	111	9,214	617	105	649	102	627	109
Chemistry	12,680	646	112	12,154	623	110	674	98	631	112
Physics	6,979	648	105	6,688	618	110	679	92	620	109
Foreign and Classical Languages										
Chinese/Listening	2,629	767	52	2,492	565	134	674	92	585	136
French	1,130	612	123	1,080	630	99	626	99	640	100
French/Listening	321	661	123	310	633	100	637	90	643	99
German	72	601	144	68	626	93	626	85	626	96
German/Listening	90	652	114	80	619	94	628	94	622	101
Modern Hebrew	106	624	145	86	591	93	634	92	631	91
Italian	59	697	108	54	616	95	612	93	618	100
Japanese/Listening	508	696	106	484	568	110	656	91	585	107
Korean/Listening	1,779	764	56	1,659	561	113	669	88	599	113
Latin	252	608	111	245	690	82	672	81	680	80
Spanish	7,979	674	106	7,576	528	123	542	123	540	126
Spanish/Listening	1,609	677	95	1,558	521	118	531	117	527	119

SAT Subject Tests Score Distributions

Table 22: English, History and Social Studies

SAT Subject Tests	English		History and Social Studies			
	Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct
750-800	933	5	3,801	16	499	13
700-740	2,132	12	4,186	17	482	13
650-690	2,661	15	4,016	17	536	14
600-640	2,621	14	3,420	14	442	12
550-590	2,408	13	2,717	11	571	15
500-540	2,340	13	2,125	9	448	12
450-490	1,969	11	1,821	8	399	11
400-440	1,845	10	1,215	5	241	6
350-390	994	5	589	2	111	3
300-340	236	1	110	0	21	1
250-290	12	0	3	0	1	0
200-240						
Total	18,151		24,003		3,751	
Mean	573		627		603	
SD	115		113		116	
75th percentile	670		720		700	
50th percentile	580		650		610	
25th percentile	480		550		510	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	166	3	8,920	25	1,004	13	2,005	21	3,037	24	1,535	22
700-740	553	9	4,400	12	1,169	15	1,588	17	1,980	16	1,037	15
650-690	672	11	5,256	15	1,242	16	1,780	19	1,936	15	1,178	17
600-640	966	15	5,850	16	1,308	16	1,391	15	1,692	13	1,050	15
550-590	922	15	5,065	14	1,178	15	1,014	11	1,368	11	852	12
500-540	917	15	3,177	9	798	10	746	8	1,081	9	687	10
450-490	844	13	1,930	5	542	7	492	5	836	7	435	6
400-440	718	11	707	2	387	5	298	3	600	5	186	3
350-390	404	6	147	0	209	3	205	2	148	1	19	0
300-340	118	2	70	0	88	1	70	1	2	0		
250-290	8	0			5	0	4	0				
200-240												
Total	6,288		35,522		7,930		9,593		12,680		6,979	
Mean	551		652		615		645		646		648	
SD	110		105		112		111		112		105	
75th percentile	630		750		700		730		740		730	
50th percentile	550		650		620		660		660		660	
25th percentile	470		570		540		580		570		570	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	2,099	80	213	19	112	35	18	25	22	24	31	29
700-740	296	11	128	11	35	11	6	8	18	20	12	11
650-690	112	4	141	12	42	13	6	8	15	17	8	8
600-640	74	3	139	12	32	10	5	7	8	9	8	8
550-590	24	1	137	12	38	12	10	14	5	6	17	16
500-540	17	1	128	11	23	7	9	13	13	14	11	10
450-490	7	0	125	11	16	5	7	10	6	7	4	4
400-440			86	8	17	5	3	4	1	1	7	7
350-390			32	3	6	2	7	10	2	2	4	4
300-340			1	0			1	1			3	3
250-290											1	1
200-240												
Total	2,629		1,130		321		72		90		106	
Mean	767		612		661		601		652		624	
SD	52		123		123		144		114		145	
75th percentile	800		720		780		740		740		760	
50th percentile	790		610		680		580		680		630	
25th percentile	760		510		560		480		540		530	

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	28	47	214	42	1,382	78	31	12	2,560	32	465	29
700-740	8	14	114	22	211	12	37	15	1,626	20	346	22
650-690	11	19	44	9	104	6	34	13	1,202	15	308	19
600-640	4	7	47	9	34	2	32	13	817	10	211	13
550-590	2	3	35	7	26	1	33	13	686	9	109	7
500-540	3	5	25	5	13	1	38	15	472	6	74	5
450-490	1	2	9	2	6	0	29	12	327	4	52	3
400-440			13	3	1	0	14	6	165	2	25	2
350-390			5	1	2	0	3	1	88	1	18	1
300-340	2	3	1	0			1	0	28	0	1	0
250-290			1	0					8	0		
200-240												
Total	59		508		1,779		252		7,979		1,609	
Mean	697		696		764		608		674		677	
SD	108		106		56		111		106		95	
75th percentile	770		780		800		700		760		750	
50th percentile	730		740		790		610		700		700	
25th percentile	650		630		750		520		610		630	

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	1,717	1	479	483	473
Architecture and Related Services	3,132	2	486	527	487
Area, Ethnic, Cultural and Gender Studies	361	0	520	492	511
Biological and Biomedical Sciences	17,781	9	533	550	531
Business Management, Marketing, and Related Support Services	20,327	10	495	521	495
Communication, Journalism and Related Programs	5,276	3	515	495	517
Computer and Information Sciences and Support Services	4,549	2	528	561	509
Construction Trades	77	0	422	459	412
Education	5,727	3	477	481	478
Engineering	17,634	9	525	576	517
Engineering Technologies/Technicians	2,960	2	479	527	469
English Language and Literature/Letters	2,899	1	570	518	558
Family and Consumer Sciences/Human Sciences	616	0	446	448	450
Foreign Languages, Literatures, and Linguistics	1,253	1	535	517	529
Health Professions and Related Clinical Services	35,221	18	479	493	481
History	2,175	1	526	499	507
Legal Professions and Studies	5,381	3	511	504	506
Liberal Arts and Sciences, General Studies, and Humanities	1,734	1	542	520	537
Library Science And Administration	22	0	558	515	522
Mathematics and Statistics	1,771	1	510	585	511
Mechanic and Repair Technologies/Technician	448	0	422	451	405
Military Technologies And Applied Sciences	1,042	1	491	504	473
Multi/Interdisciplinary Studies	1,097	1	575	580	569
Natural Resources and Conservation	845	0	544	535	533
Parks, Recreation, Leisure and Fitness Studies	1,160	1	440	458	439
Personal and Culinary Services	748	0	449	451	445
Philosophy and Religious Studies	453	0	543	524	531
Physical Sciences	3,214	2	548	575	536
Precision Production	6	0	412	468	432
Psychology	11,703	6	491	484	489
Public Administration and Social Services Professions	993	1	441	433	443
Security and Protective Services	6,958	4	434	444	432
Social Sciences	3,709	2	546	531	537
Theology and Religious Vocations	279	0	524	519	513
Transportation and Materials Moving	77	0	450	507	459
Visual and Performing Arts	14,546	7	498	492	493
Other	3,412	2	445	456	446
Undecided	15,530	8	530	549	529
Degree-Level Goal					
Certificate Program	1,808	1	456	471	450
Associate Degree	1,825	1	409	412	408
Bachelor's Degree	56,490	28	475	486	470
Master's Degree	65,237	32	498	514	496
Doctoral or Related Degree	47,166	23	525	539	523
Other	1,110	1	426	444	427
Undecided	30,771	15	504	518	499

College Plans

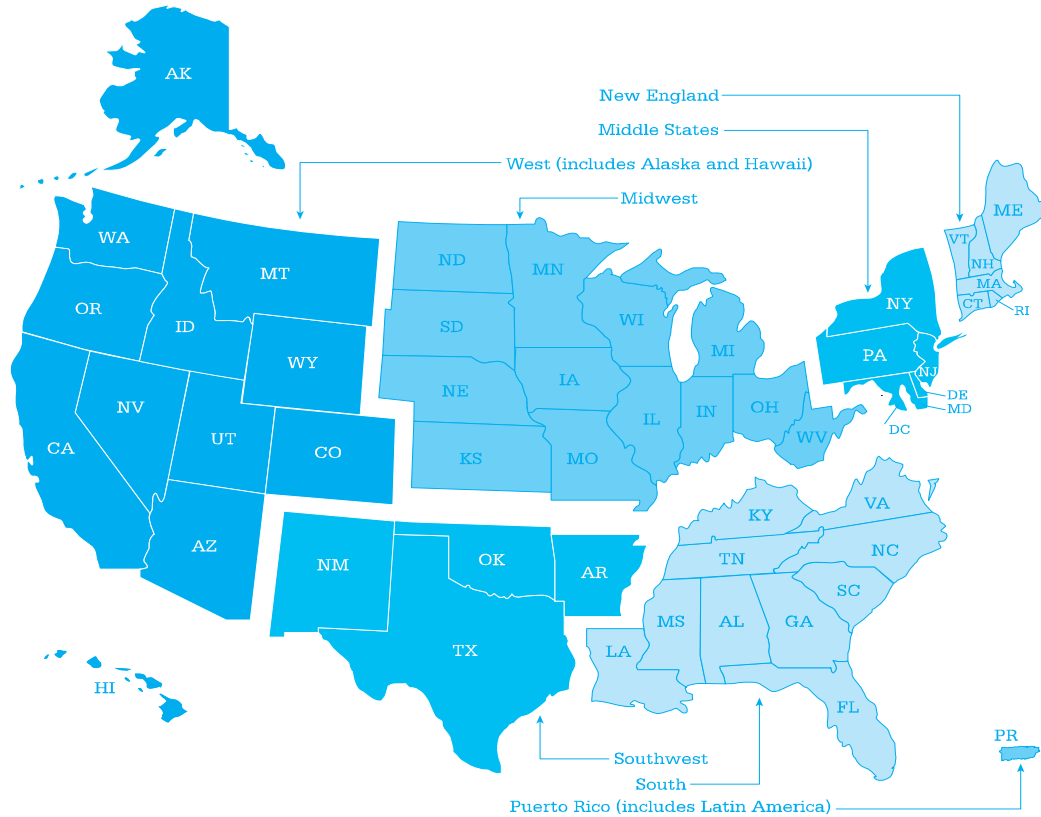
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 237,551 students from your state who took the SAT and/or an SAT Subject Test, 184,136 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 2,877 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
CALIFORNIA STATE UNIVERSITY MENTOR	CA	Public	51,569	28.0
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	35,152	19.1
UNIVERSITY OF CALIFORNIA IRVINE	CA	Public	28,804	15.6
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	26,847	14.6
UNIVERSITY OF CALIFORNIA DAVIS	CA	Public	26,712	14.5
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	26,330	14.3
SAN DIEGO STATE UNIVERSITY	CA	Public	25,408	13.8
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	24,701	13.4
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	24,594	13.4
CALIFORNIA STATE UNIVERSITY LONG BEACH	CA	Public	24,467	13.3
CALIFORNIA STATE UNIVERSITY FULLERTON	CA	Public	19,204	10.4
CALIFORNIA POLYTECHNIC STATE UNIVERSITY	CA	Public	17,850	9.7
SAN FRANCISCO STATE UNIVERSITY	CA	Public	17,473	9.5
UNIVERSITY OF CALIFORNIA SANTA CRUZ	CA	Public	17,220	9.4
STANFORD UNIVERSITY	CA	Private	16,826	9.1
UNIVERSITY OF CALIFORNIA RIVERSIDE	CA	Public	16,539	9.0
CALIFORNIA STATE POLYTECHNIC UNIVERSITY	CA	Public	14,388	7.8
SAN JOSE STATE UNIVERSITY	CA	Public	13,664	7.4
CALIFORNIA STATE UNIVERSITY NORTHRIDGE	CA	Public	13,644	7.4
CALIFORNIA STATE UNIVERSITY LOS ANGELES	CA	Public	12,599	6.8
UNIVERSITY OF SAN DIEGO	CA	Private	11,207	6.1
CALIFORNIA STATE UNIVERSITY SACRAMENTO	CA	Public	11,116	6.0
UNIVERSITY OF THE PACIFIC	CA	Private	10,082	5.5
CALIFORNIA STATE UNIVERSITY CHICO	CA	Public	9,432	5.1
CALIFORNIA STATE UNIVERSITY FRESNO	CA	Public	8,587	4.7
SANTA CLARA UNIVERSITY	CA	Private	8,524	4.6
NCAA ELIGIBILITY CENTER	IN	Public	8,239	4.5
LOYOLA MARYMOUNT UNIVERSITY	CA	Private	8,140	4.4
UNIVERSITY OF OREGON	OR	Public	7,855	4.3
UNIVERSITY OF SAN FRANCISCO	CA	Private	7,433	4.0
NEW YORK UNIVERSITY	NY	Private	7,364	4.0
UNIVERSITY OF CALIFORNIA MERCED	CA	Public	7,333	4.0
CHAPMAN UNIVERSITY	CA	Private	7,246	3.9
CALIFORNIA STATE UNIVERSITY MONTEREY BAY	CA	Public	7,226	3.9
BOSTON UNIVERSITY	MA	Private	6,778	3.7
CALIFORNIA STATE UNIVERSITY EAST BAY	CA	Public	6,532	3.5
CALIFORNIA STATE UNIVERSITY SAN BERNARDI	CA	Public	6,527	3.5
SONOMA STATE UNIVERSITY	CA	Public	6,515	3.5
PEPPERDINE UNIVERSITY	CA	Private	6,427	3.5
UNIVERSITY OF WASHINGTON	WA	Public	6,391	3.5
CALIFORNIA STATE UNIVERSITY DOMINGUEZ HI	CA	Public	6,338	3.4
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	6,140	3.3
CALIFORNIA STATE UNIVERSITY SAN MARCOS	CA	Public	6,083	3.3
ARIZONA STATE UNIVERSITY	AZ	Public	5,908	3.2
NORTHERN ARIZONA UNIVERSITY	AZ	Public	5,864	3.2

*Of your students who designated that their SAT and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

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