



2008 College-Bound Seniors

State Profile Report

ARIZONA

Included in this Report

SAT Reasoning Test™ Data

SAT Subject Tests™ Data

Demographic and Academic Information

College Plans

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The SAT® Program

The SAT Reasoning Test™ (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 2008* includes students who tested through March 2008.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2008 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; and
- 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 Reasoning Test and in schoolwork.
- not all students in a high school, school district, or state take the SAT Reasoning Test. Since the population of test-takers is self-selected, using aggregate SAT Reasoning Test 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 Reasoning Test scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT Reasoning Test 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 Reasoning Test 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 Web site at www.collegeboard.com.

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 200–800 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.

The College Board: Connecting Students to College Success

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,400 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,500 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

A note about changes to the SAT Questionnaire:

In the 2006-2007 academic year, changes to the SAT Questionnaire were made. Sections of this report most notably affected by this change are Course-Taking Patterns and Intended College Major. In this year's report, the questionnaire responses of some students were not reported as their responses did not map to the current reporting tables. For complete details on the changes please visit www.collegeboard.com/cbs.

Total Group Mean SAT Reasoning Test Scores

College-Bound Seniors, 1972–2008

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	504	502	502	533	499	515	489	500	494
2008	504	500	502	533	500	515	488	501	494

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 2000–2008, all scores are reported on the recentered scale.

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SAT Reasoning Test™ Data

Data in this report are for high school graduates in the year 2008. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through March 2008. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing *		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Total	20,040	516	100	522	102	500	98	50.4	9.9	7.0	1.5

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Male	9,008	517	102	541	102	492	98	49.9	10.0	6.8	1.6
Female	11,023	515	98	506	99	506	97	50.9	9.9	7.2	1.4
No Response**	9	450		442		479		47.2		7.2	

Table 3: Year in Which Seniors Last Took the SAT Reasoning Test

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

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Senior (2007-2008)	11,800	506	98	509	99	487	95	49.2	9.7	6.9	1.5
Junior (2006-2007)	8,199	530	101	540	103	518	98	52.1	10.0	7.3	1.5
Sophomore (2005-2006)	32	542	132	526	128	527	126	53.6	13.4	7.1	1.5
Freshman (2004-2005)	9	462		473		373		39.0		4.8	
Total	20,040	516	100	522	102	500	98	50.4	9.9	7.0	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 Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Total Group	1,518,859	502	112	515	116	494	110	49.5	11.1	7.1	1.7

*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 20,040 students in this report, 20,037 students have scores on the SAT writing section. The Writing test contains one essay (30% of the total score) and 49 multiple-choice questions (70% of the total score). Essay scores range from 2-12, with a very small percentage of students (less than .3%) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20-80.

**'No Response' indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

NOTE: Mean scores are reported when there are 5 or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

SAT Reasoning Test 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 Reasoning Test Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	580	590	560	580	590	570
50th	510	520	500	500	510	490
25th	450	450	430	420	430	420

Table 6: Score Distributions

SAT Reasoning Test Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
750–800	134	129	263	191	113	304	69	123	192
700–740	257	302	559	380	232	612	168	254	422
650–690	554	640	1,194	950	670	1,620	389	559	948
600–640	1,153	1,240	2,393	1,222	1,070	2,293	699	988	1,687
550–590	1,356	1,732	3,088	1,708	1,718	3,427	1,209	1,680	2,891
500–540	1,756	2,220	3,979	1,560	2,059	3,621	1,688	2,214	3,904
450–490	1,560	2,052	3,615	1,384	2,076	3,461	1,790	2,116	3,909
400–440	1,259	1,568	2,829	931	1,749	2,681	1,546	1,752	3,299
350–390	599	762	1,361	441	879	1,320	948	945	1,893
300–340	248	253	501	169	334	505	364	316	681
250–290	100	88	188	56	90	147	93	59	152
200–240	32	37	70	16	33	49	43	16	59

Table 7: Type of High School

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	16,713	89	45	55	514	521	496
Religiously Affiliated	1,743	9	49	51	541	535	531
Independent	306	2	48	52	539	537	535
Other or Unknown	1,278						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	19,926	99	516	100	522	102	500	97
Nonstandard Conditions	114	1	479	115	485	125	467	111

NOTE: Percentiles are reported when there are 20 or more test-takers.

Demographic Information

SAT Reasoning Test: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Reasoning Test 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	278	1	481	93	486	92	456	87
Asian, Asian American, or Pacific Islander	1,248	6	524	118	565	114	511	116
Black or African American	993	5	458	96	451	95	442	90
Mexican or Mexican American	2,279	11	477	93	483	93	462	88
Puerto Rican	107	1	502	83	486	89	471	86
Other Hispanic, Latino, or Latin American	1,171	6	472	94	474	93	460	88
White	12,734	64	531	95	536	97	514	94
Other	552	3	511	101	508	105	498	97
No Response	678	3	530	104	522	108	511	98
Total	20,040	100	516	100	522	102	500	98

Table 10: Male Mean Scores by Ethnicity

SAT Reasoning Test 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	105	1	490	86	518	85	452	87
Asian, Asian American, or Pacific Islander	601	3	524	117	579	110	502	110
Black or African American	474	2	450	94	456	98	426	89
Mexican or Mexican American	1,001	5	477	95	501	95	455	89
Puerto Rican	43	0	501	87	493	90	451	85
Other Hispanic, Latino, or Latin American	485	2	476	95	497	95	452	89
White	5,744	29	533	98	556	97	507	95
Other	234	1	508	102	528	105	485	94
No Response	321	2	528	102	538	107	500	98
Total	9,008	45	517	102	541	102	492	98

Table 11: Female Mean Scores by Ethnicity

SAT Reasoning Test 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	173	1	476	96	467	91	458	86
Asian, Asian American, or Pacific Islander	646	3	525	120	552	115	520	121
Black or African American	518	3	466	96	447	93	456	88
Mexican or Mexican American	1,276	6	477	91	468	89	467	86
Puerto Rican	64	0	503	80	481	88	484	84
Other Hispanic, Latino, or Latin American	686	3	469	93	458	88	465	87
White	6,985	35	530	93	520	94	520	93
Other	318	2	513	100	494	103	507	98
No Response	357	2	532	105	507	107	521	97
Total	11,023	55	515	98	506	99	506	97

Demographic Information

SAT Reasoning Test: 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 Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	20,040	100	516	100	522	102	500	98
First Language Learned								
English	15,881	82	522	97	525	99	504	95
English and Another	2,067	11	488	103	499	104	477	99
Another Language	1,429	7	474	107	503	111	468	102
No Response	663							
Citizenship								
U.S. Citizen / U.S. National	18,442	97	517	98	521	101	500	96
U.S. Permanent Resident or Refugee	446	2	478	115	523	113	480	112
Citizen of Another Country	199	1	473	100	522	98	471	94
Other, Unknown, or No Response	953							
Disabling Condition								
Yes	966	5	496	105	495	105	474	101
Unknown or No Response	19,074							
Plans to Apply for Financial Aid								
Yes	11,794	64	515	100	518	102	497	98
No	1,724	9	512	96	523	98	500	92
Don't Know	4,913	27	517	96	526	100	502	95
Family Income								
\$0 - \$20,000	832	6	461	95	470	99	449	92
\$20,000-\$40,000	1,874	14	484	99	491	98	470	93
\$40,000-\$60,000	2,155	16	503	95	505	98	484	92
\$60,000-\$80,000	2,201	16	509	95	514	97	491	92
\$80,000-\$100,000	2,010	15	519	96	524	100	500	93
\$100,000-\$120,000	1,638	12	529	96	536	98	510	95
\$120,000-\$140,000	807	6	533	94	540	97	512	95
\$140,000-\$160,000	598	4	532	95	541	98	510	94
\$160,000-\$200,000	696	5	529	91	538	97	513	91
More than \$200,000	1,035	7	538	96	553	97	529	94
No Response	6,194							
Highest Level of Parental Education								
No High School Diploma	723	4	439	84	454	88	428	80
High School Diploma	5,318	29	485	91	491	94	469	87
Associate Degree	1,462	8	495	91	499	91	475	86
Bachelor's Degree	6,037	32	527	94	532	97	509	92
Graduate Degree	5,080	27	550	101	556	102	535	100
Took the PSAT/NMSQT®								
Yes, As a Junior	5,784	33	517	93	522	96	502	90
Yes, As a Sophomore or Younger	2,906	17	516	93	519	93	497	88
Yes, As a Junior and As a Sophomore or Younger	3,800	22	567	99	578	99	557	98
No	4,889	28	477	91	482	93	457	85

Academic Information

Academic Record

Table 13: High School Rank

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	4,232	40	40	60	572	588	560
Second Tenth	3,060	29	45	55	518	528	501
Second Fifth	1,863	17	50	50	486	497	468
Final Three Fifths	1,528	14	53	47	461	458	442
No Response	9,357						

Table 14: High School Grade Point Average

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	1,566	8	38	62	581	597	570
A (93–96)	4,265	23	36	64	552	563	541
A- (90–92)	3,902	21	42	58	529	537	513
B (80–89)	7,666	41	49	50	487	489	468
C (70–79)	1,495	8	61	39	453	448	431
D, E, or F (below 70)	27	0	63	37	441	432	419
No Response	1,119						
Mean Grade Point Average	All Students: 3.44		Male: 3.33		Female: 3.52		

Table 15: Average Years of Study in Six Academic Subjects

SAT Reasoning Test	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.9	2.4	2.2	3.79	3.91	3.85
English and Language Arts	3.9	3.9	3.9	3.34	3.56	3.46
Foreign and Classical Languages	2.5	2.6	2.5	3.28	3.55	3.43
Mathematics	3.9	3.9	3.9	3.22	3.23	3.23
Natural Sciences	3.4	3.4	3.4	3.36	3.42	3.39
Social Sciences and History	3.3	3.3	3.3	3.49	3.57	3.53
Total for All Subjects	18.9	19.5	19.2			

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	524	3	44	56	526	527	509
4 Years	14,732	86	45	55	519	526	503
3 Years	1,751	10	43	57	491	496	477
2 Years	121	1	51	49	500	512	478
1 Year	36	0	50	50	467	472	451
1/2 Year or Less	20	0	55	45	456	446	443
No Response	2,856						
Course Work or Experience							
English/Language Arts	15,614	96	44	56	518	523	502
Journalism	1,935	12	36	64	517	508	504
Creative Writing	3,631	22	42	58	514	513	500
American Literature	8,751	54	43	57	524	528	508
Composition/Writing	6,134	38	42	58	522	524	507
British Literature	3,182	19	41	59	544	541	524
World Literature	4,562	28	44	56	529	531	512
Communications	1,282	8	43	57	503	505	492
Public Speaking	2,242	14	45	55	524	521	509
English As Second Language	505	3	40	60	444	492	441
AP®/Honors Courses	7,859	46	38	62	561	561	545

Mathematics	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	2,110	12	50	50	556	589	539
4 Years	12,057	70	44	56	517	522	500
3 Years	2,751	16	42	58	488	480	473
2 Years	250	1	45	55	475	455	455
1 Year	25	0	60	40	460	458	442
1/2 Year or Less	20	0	65	35	445	418	419
No Response	2,827						
Highest Level of Mathematics Achieved*							
Calculus	4,581	27	49	51	573	605	558
Pre-calculus	6,057	35	42	58	514	520	498
Trigonometry	1,868	11	42	58	501	498	483
Algebra II	4,075	24	44	56	475	459	457
Algebra I	406	2	43	57	434	406	420
AP/Honors Courses	6,718	39	45	55	560	584	545

*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.

Academic Information

Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	724	4	46	54	566	584	546
4 Years	6,717	39	46	54	537	546	521
3 Years	8,314	49	42	58	502	506	487
2 Years	1,058	6	49	51	482	481	462
1 Year	208	1	53	46	479	479	456
1/2 Year or Less	67	0	51	49	455	459	434
No Response	2,952						
Course Work or Experience							
Biology	16,209	97	44	56	517	523	501
Chemistry	14,681	88	44	56	523	530	507
Physics	8,221	49	50	50	539	555	522
Geology, Earth, or Space Science	7,711	46	45	55	495	495	478
Other Sciences	6,110	36	37	63	515	515	499
AP/Honors Courses	6,111	36	43	57	567	581	552

Social Sciences and History	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	449	3	46	54	556	558	534
4 Years	6,410	37	47	53	528	528	511
3 Years	8,307	49	42	57	512	523	497
2 Years	1,729	10	45	55	491	498	474
1 Year	168	1	45	54	477	480	456
1/2 Year or Less	47	0	57	43	433	441	419
No Response	2,930						
Course Work or Experience							
U.S. History	15,973	96	44	56	519	525	502
World History or Cultures	14,148	85	44	56	517	523	501
U.S. Government or Civics	13,483	81	44	56	518	524	502
Economics	8,996	54	44	56	521	528	504
Geography	4,987	30	43	57	514	520	499
Psychology	3,284	20	33	67	533	525	515
European History	3,091	18	46	54	546	545	529
Sociology	1,590	10	33	67	515	509	498
Ancient History	2,069	12	50	50	528	528	511
Other Courses	2,134	13	43	57	526	525	508
AP/Honors Courses	6,431	38	41	59	567	570	551

Academic Information

Course-Taking Patterns

Table 18: Foreign and Classical Languages

Foreign and Classical Languages	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	400	2	35	65	568	579	559	
4 Years	2,755	16	38	62	568	571	559	
3 Years	3,984	23	43	57	534	541	521	
2 Years	8,801	51	47	53	497	504	477	
1 Year	823	5	51	49	470	472	452	
1/2 Year or Less	378	2	49	51	452	453	428	
No Response	2,899							
Course Work or Experience								
Chinese	88	1	41	59	544	587	524	
French	2,331	14	33	67	534	527	516	
German	672	4	55	45	547	547	519	
Greek	37	0	35	65	605	567	580	
Hebrew	69	0	36	64	561	558	560	
Italian	51	0	37	63	534	508	507	
Japanese	176	1	51	49	555	562	516	
Korean	11	0	45	55	437	567	445	
Latin	450	3	52	48	580	569	558	
Russian	21	0	62	38	544	540	518	
Spanish	13,160	78	46	54	513	521	498	
Other Languages	633	4	29	71	490	499	475	
AP/Honors Courses	3,305	19	37	63	575	582	566	

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	799	5	37	63	540	541	517
4 Years	3,183	19	34	66	540	537	527
3 Years	2,122	13	34	66	519	518	503
2 Years	3,793	22	43	57	514	519	498
1 Year	5,721	34	54	46	510	524	492
1/2 Year or Less	1,316	8	54	46	482	492	467
No Response	3,106						
Course Work or Experience							
Acting or Play Production	2,851	18	33	67	548	532	531
Art History or Appreciation	2,707	17	44	56	519	519	502
Dance	2,637	17	5	95	503	496	496
Drama: Study or Appreciation	2,716	17	31	69	536	522	521
Music: Study or Appreciation	1,927	12	46	54	548	542	529
Music Performance	6,012	38	41	59	538	541	521
Photography or Film	3,810	24	40	60	514	514	498
Studio Art and Design	3,395	21	41	59	524	527	507
None	2,008	13	64	36	487	506	468
AP/Honors Courses	1,178	7	38	62	575	576	559

Computers	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	10,137	64	46	54	519	526	502
Computer Programming	2,309	15	59	41	510	525	490
Word Processing	10,808	69	45	55	519	525	502
Internet Activity	7,876	50	46	54	522	527	505
Using Computer Graphics	4,446	28	51	49	520	527	501
Creating Spreadsheets/Databases	4,784	30	48	52	523	533	506
None	2,611	17	36	64	520	524	509

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 Reasoning Test			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
1,787	4,604	1,623	625	639	621

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	98	5
2	721	40
3	843	47
4 or More	125	7

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

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

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	843	604	102	737	635	91	617	90	629	97
History and Social Studies										
U.S. History	798	619	107	723	644	89	646	87	640	91
World History	68	583	117	54	634	92	614	121	621	102
Mathematics										
Mathematics Level 1	525	575	107	431	592	96	608	94	590	101
Mathematics Level 2	1,059	653	96	1,000	636	95	669	81	633	93
Science										
Biology-E	147	605	108	129	633	94	631	94	627	98
Biology-M	155	642	97	150	631	97	645	84	628	97
Chemistry	382	646	107	365	645	100	684	88	642	97
Physics	179	643	93	171	641	94	696	73	631	91
Foreign and Classical Languages										
Chinese/Listening	30	751	70	28	623	147	685	112	606	157
French	52	618	117	51	649	93	641	81	654	94
French/Listening	15	591		14	606		642		621	
German	2			2						
German/Listening	5	684		5	610		672		628	
Modern Hebrew	3			2						
Italian	6	707		5	608		580		640	
Japanese/Listening	3			3						
Korean/Listening	14	766		13	502		663		512	
Latin	14	604		14	678		674		666	
Spanish	257	598	129	244	625	98	626	95	632	98
Spanish/Listening	47	622	126	45	632	99	617	82	626	88

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	58	7	87	11	4	6
700-740	123	15	134	17	9	13
650-690	151	18	158	20	12	18
600-640	144	17	126	16	7	10
550-590	132	16	82	10	9	13
500-540	95	11	81	10	8	12
450-490	72	9	72	9	11	16
400-440	47	6	42	5	4	6
350-390	17	2	16	2	4	6
300-340	3	0				
250-290	1	0				
200-240						
Total	843		798		68	
Mean	604		619		583	
SD	102		107		117	
75th percentile	680		700		670	
50th percentile	610		640		590	
25th percentile	530		540		490	

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	16	3	223	21	13	9	21	14	77	20	29	16
700-740	63	12	156	15	17	12	29	19	70	18	29	16
650-690	69	13	182	17	32	22	40	26	65	17	32	18
600-640	98	19	198	19	24	16	22	14	52	14	29	16
550-590	73	14	150	14	19	13	15	10	43	11	31	17
500-540	71	14	95	9	18	12	13	8	28	7	18	10
450-490	62	12	43	4	13	9	8	5	29	8	9	5
400-440	42	8	7	1	3	2	6	4	16	4	2	1
350-390	26	5	4	0	5	3	1	1	2	1		
300-340	5	1	1	0	3	2						
250-290												
200-240												
Total	525		1,059		147		155		382		179	
Mean	575		653		605		642		646		643	
SD	107		96		108		97		107		93	
75th percentile	660		730		680		710		730		710	
50th percentile	580		650		620		660		670		640	
25th percentile	490		580		520		590		570		580	

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	21	70	9	17	2	13			2	40		
700-740	2	7	7	13	1	7	1	50	1	20	1	33
650-690	3	10	6	12	2	13			1	20		
600-640	2	7	9	17	2	13						
550-590	2	7	4	8	4	27						
500-540			6	12	1	7			1	20	1	33
450-490			7	13	1	7	1	50				
400-440			4	8	1	7					1	33
350-390					1	7						
300-340												
250-290												
200-240												
Total	30		52		15		2		5		3	
Mean	751		618		591				684			
SD	70		117									
75th percentile	800		710									
50th percentile	790		630									
25th percentile	680		510									

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	4	67	1	33	11	79			45	18	10	21
700-740					1	7	1	7	20	8	8	17
650-690	1	17			1	7	6	43	30	12	6	13
600-640					1	7	2	14	35	14	2	4
550-590							1	7	31	12	6	13
500-540							2	14	41	16	4	9
450-490	1	17	1	33			2	14	24	9	7	15
400-440									14	5	3	6
350-390			1	33					12	5	1	2
300-340									5	2		
250-290												
200-240												
Total	6		3		14		14		257		47	
Mean	707				766		604		598		622	
SD									129		126	
75th percentile									690		730	
50th percentile									600		630	
25th percentile									500		490	

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Reasoning Test Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	74	0	485	483	470
Architecture and Related Services	352	2	495	528	482
Area, Ethnic, Cultural and Gender Studies	10	0	529	506	520
Biological and Biomedical Sciences	909	6	547	551	528
Business Management, Marketing, and Related Support Services	2,170	14	493	510	480
Communication, Journalism and Related Programs	546	4	529	507	520
Computer and Information Sciences and Support Services	347	2	526	548	489
Construction Trades	12	0	464	495	441
Education	873	6	509	504	494
Engineering	1,361	9	534	579	509
Engineering Technologies/Technicians	179	1	503	540	473
English Language and Literature/Letters	266	2	592	530	573
Family and Consumer Sciences/Human Sciences	28	0	496	470	480
Foreign Languages, Literatures, and Linguistics	130	1	571	539	551
Health Professions and Related Clinical Services	3,140	21	501	512	492
History	155	1	558	524	523
Legal Professions and Studies	451	3	524	515	507
Liberal Arts and Sciences, General Studies, and Humanities	163	1	557	534	543
Library Science/Librarianship	10	0	594	488	525
Mathematics and Statistics	156	1	544	609	529
Mechanic and Repair Technologies/Technician	34	0	465	483	442
Military Sciences	37	0	495	512	464
Multi/Interdisciplinary Studies	29	0	611	593	604
Natural Resources and Conservation	65	0	536	500	502
Parks, Recreation, Leisure and Fitness Studies	64	0	465	494	467
Personal and Culinary Services	40	0	495	500	461
Philosophy and Religious Studies	38	0	562	530	512
Physical Sciences	262	2	559	578	534
Precision Production					
Psychology	736	5	510	493	495
Public Administration and Social Services Professions	34	0	531	493	491
Security and Protective Services	172	1	475	475	460
Social Sciences	249	2	575	536	550
Theology and Religious Vocations	51	0	555	537	534
Transportation and Materials Moving	12	0	429	497	443
Visual and Performing Arts	1,161	8	533	515	516
Other	190	1	496	499	473
Undecided	461	3	542	557	524
Degree-Level Goal					
Certificate Program	126	1	473	476	446
Associate Degree	95	1	427	420	422
Bachelor's Degree	4,760	26	491	495	474
Master's Degree	5,645	31	518	527	502
Doctoral or Related Degree	4,380	24	537	541	521
Other	47	0	473	471	460
Undecided	3,376	18	521	527	506

College Plans

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

Of the 20,204 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 14,777 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 1,632 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
ARIZONA STATE UNIVERSITY TEMPE	AZ	Public	9,867	66.8
UNIVERSITY OF ARIZONA	AZ	Public	9,142	61.9
NORTHERN ARIZONA UNIVERSITY	AZ	Public	6,666	45.1
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	1,023	6.9
STANFORD UNIVERSITY	CA	Private	916	6.2
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	873	5.9
NCAA ELIGIBILITY CENTER	IA	Public	746	5.0
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	617	4.2
MESA COMMUNITY COLLEGE	AZ	Public	611	4.1
SAN DIEGO STATE UNIVERSITY	CA	Public	609	4.1
UNIVERSITY OF COLORADO BOULDER	CO	Public	587	4.0
UNIVERSITY OF SAN DIEGO	CA	Private	570	3.9
GLENDALE COMMUNITY COLLEGE ARIZONA	AZ	Public	567	3.8
PIMA COMMUNITY COLLEGE	AZ	Public	501	3.4
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	495	3.3
GRAND CANYON UNIVERSITY	AZ	Private	452	3.1
NEW YORK UNIVERSITY	NY	Private	450	3.0
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	423	2.9
FLINN FOUNDATION THE	AZ	Scholarship	404	2.7
UNIVERSITY OF WASHINGTON SEATTLE	WA	Public	375	2.5
BRIGHAM YOUNG UNIVERSITY UTAH	UT	Private	345	2.3
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	336	2.3
PEPPERDINE UNIVERSITY	CA	Private	328	2.2
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	313	2.1
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	305	2.1
UNIVERSITY OF TEXAS AUSTIN	TX	Public	291	2.0
NORTHWESTERN UNIVERSITY	IL	Private	287	1.9
PRINCETON UNIVERSITY	NJ	Private	287	1.9
BOSTON UNIVERSITY	MA	Private	281	1.9
YALE UNIVERSITY	CT	Private	271	1.8
CHANDLER GILBERT COMMUNITY COLLEGE	AZ	Public	262	1.8
UNIVERSITY OF NOTRE DAME	IN	Private	258	1.7
UNIVERSITY OF OREGON	OR	Public	256	1.7
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	246	1.7
LOYOLA MARYMOUNT UNIVERSITY	CA	Private	246	1.7
CORNELL UNIVERSITY	NY	Private	245	1.7
SANTA CLARA UNIVERSITY	CA	Private	238	1.6
PHOENIX COLLEGE	AZ	Public	223	1.5
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY ARI	AZ	Private	220	1.5
DUKE UNIVERSITY	NC	Private	214	1.4
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	209	1.4
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	196	1.3
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	194	1.3
GEORGETOWN UNIVERSITY	DC	Private	192	1.3
BROWN UNIVERSITY	RI	Private	191	1.3

*Of your students who designated that their SAT Reasoning Test 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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