



2008 College-Bound Seniors

State Profile Report

MASSACHUSETTS

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 Number	Critical Reading		Mathematics		Writing *		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	61,295	514	113	525	116	513	115	50.9	11.5	7.5	1.7

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	29,026	517	114	544	117	507	116	50.5	11.4	7.4	1.8
Female	32,234	510	112	508	112	518	115	51.2	11.6	7.6	1.6
No Response**	35	426	70	439	82	401	92	40.2	9.6	6.1	1.6

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 Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2007-2008)	45,942	504	107	517	111	504	110	50.0	11.0	7.5	1.7
Junior (2006-2007)	15,300	542	125	550	125	538	126	53.4	12.5	7.7	1.8
Sophomore (2005-2006)	44	533	124	544	128	515	118	51.6	11.7	7.5	1.7
Freshman (2004-2005)	9	524		578		405		40.5		6.5	
Total	61,295	514	113	525	116	513	115	50.9	11.5	7.5	1.7

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 Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
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 61,295 students in this report, 61,288 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	590	610	590	580	590	570
50th	510	520	510	500	510	490
25th	440	440	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	720	659	1,379	1,395	671	2,066	694	884	1,578
700–740	1,143	1,138	2,281	1,628	965	2,593	1,096	1,482	2,578
650–690	2,108	2,129	4,237	3,182	2,381	5,563	2,012	2,429	4,441
600–640	3,458	3,571	7,029	3,646	3,177	6,826	2,773	3,256	6,029
550–590	4,051	4,294	8,346	4,751	4,738	9,489	3,946	4,692	8,641
500–540	4,912	5,622	10,537	4,520	5,481	10,005	4,643	5,223	9,869
450–490	4,736	5,412	10,159	3,885	5,242	9,136	4,849	5,491	10,345
400–440	3,789	4,604	8,400	3,020	4,488	7,515	4,144	4,282	8,434
350–390	2,328	2,783	5,120	1,766	2,897	4,672	2,770	2,560	5,335
300–340	1,080	1,233	2,316	842	1,444	2,288	1,331	1,291	2,629
250–290	451	525	976	267	504	771	526	423	950
200–240	250	264	515	124	246	371	238	218	459

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	48,127	82	46	54	507	520	505
Religiously Affiliated	6,205	11	53	47	537	536	541
Independent	4,197	7	51	49	588	603	596
Other or Unknown	2,766						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	58,332	95	515	113	526	115	514	115
Nonstandard Conditions	2,963	5	492	118	499	124	493	118

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	270	0	484	101	483	102	477	103
Asian, Asian American, or Pacific Islander	3,635	6	514	136	585	130	520	136
Black or African American	4,002	7	428	103	431	100	427	101
Mexican or Mexican American	169	0	512	118	520	118	516	119
Puerto Rican	1,059	2	431	100	433	99	422	98
Other Hispanic, Latino, or Latin American	2,544	4	441	111	451	109	435	110
White	44,899	73	529	105	537	107	528	107
Other	1,707	3	495	126	498	127	493	126
No Response	3,010	5	506	130	505	130	499	132
Total	61,295	100	514	113	525	116	513	115

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	122	0	478	106	500	112	458	115
Asian, Asian American, or Pacific Islander	1,846	3	516	137	605	128	517	138
Black or African American	1,738	3	422	101	438	102	414	98
Mexican or Mexican American	88	0	525	116	558	117	521	115
Puerto Rican	461	1	434	101	447	100	419	97
Other Hispanic, Latino, or Latin American	1,132	2	447	113	474	112	434	111
White	21,415	35	532	106	556	107	522	108
Other	738	1	503	127	522	126	494	126
No Response	1,486	2	504	130	520	131	491	127
Total	29,026	47	517	114	544	117	507	116

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	148	0	488	97	470	91	492	89
Asian, Asian American, or Pacific Islander	1,788	3	511	135	565	129	523	134
Black or African American	2,262	4	433	104	425	99	436	101
Mexican or Mexican American	81	0	497	118	479	105	510	124
Puerto Rican	598	1	429	100	423	97	425	98
Other Hispanic, Latino, or Latin American	1,411	2	436	109	433	103	435	109
White	23,467	38	526	103	521	104	534	106
Other	967	2	490	126	480	125	493	127
No Response	1,512	2	508	130	491	127	509	135
Total	32,234	53	510	112	508	112	518	115

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	61,295	100	514	113	525	116	513	115
First Language Learned								
English	45,150	82	518	105	524	107	516	107
English and Another	6,014	11	466	112	484	118	465	113
Another Language	3,849	7	444	121	496	133	451	123
No Response	6,282							
Citizenship								
U.S. Citizen / U.S. National	51,668	96	512	107	519	109	510	109
U.S. Permanent Resident or Refugee	1,665	3	434	126	481	134	441	128
Citizen of Another Country	670	1	452	124	564	134	474	125
Other, Unknown, or No Response	7,292							
Disabling Condition								
Yes	4,802	8	481	110	482	112	473	107
Unknown or No Response	56,493							
Plans to Apply for Financial Aid								
Yes	37,367	75	501	105	510	107	498	106
No	3,380	7	552	109	565	110	558	111
Don't Know	9,211	18	522	112	535	111	521	114
Family Income								
\$0 - \$20,000	2,757	8	429	108	450	111	425	104
\$20,000–\$40,000	3,907	11	462	102	474	103	458	100
\$40,000–\$60,000	4,860	14	490	99	495	101	485	98
\$60,000–\$80,000	5,731	17	503	98	511	100	499	98
\$80,000–\$100,000	5,330	15	515	99	526	101	514	100
\$100,000–\$120,000	4,337	13	519	99	533	101	519	100
\$120,000–\$140,000	2,145	6	528	99	539	101	527	100
\$140,000–\$160,000	1,537	4	536	99	545	101	535	100
\$160,000–\$200,000	1,682	5	539	101	548	103	541	103
More than \$200,000	2,137	6	570	101	583	101	576	101
No Response	26,872							
Highest Level of Parental Education								
No High School Diploma	1,813	4	415	100	443	109	411	97
High School Diploma	14,839	29	466	96	477	99	462	96
Associate Degree	4,971	10	486	91	494	96	480	91
Bachelor's Degree	15,672	31	522	99	533	103	521	100
Graduate Degree	13,284	26	564	107	571	108	566	109
Took the PSAT/NMSQT®								
Yes, As a Junior	20,316	42	505	104	514	105	503	105
Yes, As a Sophomore or Younger	6,950	14	507	104	519	107	506	104
Yes, As a Junior and As a Sophomore or Younger	12,914	27	546	102	559	102	550	103
No	7,830	16	463	106	470	108	451	103

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	5,778	25	42	58	590	611	596
Second Tenth	5,607	25	45	55	530	551	533
Second Fifth	4,885	21	49	51	500	517	498
Final Three Fifths	6,451	28	52	48	455	462	450
No Response	38,574						

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)	904	2	40	60	609	629	617
A (93–96)	4,925	9	38	62	586	602	592
A- (90–92)	8,399	16	39	61	561	578	567
B (80–89)	29,244	56	47	53	499	510	497
C (70–79)	8,289	16	58	42	435	438	425
D, E, or F (below 70)	329	1	67	33	411	408	393
No Response	9,205						
Mean Grade Point Average	All Students: 3.10		Male: 3.01		Female: 3.18		

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	1.8	2.2	2.0	3.55	3.75	3.66
English and Language Arts	3.9	3.9	3.9	3.02	3.28	3.16
Foreign and Classical Languages	2.9	3.2	3.1	2.97	3.24	3.12
Mathematics	3.9	3.8	3.9	3.02	3.04	3.03
Natural Sciences	3.7	3.6	3.7	3.06	3.13	3.10
Social Sciences and History	3.7	3.7	3.7	3.19	3.26	3.23
Total for All Subjects	19.9	20.4	20.3			

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	2,092	4	44	56	528	536	526
4 Years	39,354	84	47	53	513	523	511
3 Years	5,017	11	43	57	473	482	471
2 Years	298	1	55	45	449	486	451
1 Year	80	0	45	54	416	430	423
1/2 Year or Less	86	0	57	43	439	474	436
No Response	14,368						
Course Work or Experience							
English/Language Arts	41,910	95	45	55	511	520	509
Journalism	5,150	12	42	58	506	504	506
Creative Writing	13,668	31	43	57	507	508	505
American Literature	26,648	61	45	55	521	529	520
Composition/Writing	17,361	39	44	56	510	516	509
British Literature	11,928	27	44	56	534	538	531
World Literature	13,887	32	45	55	521	527	519
Communications	2,807	6	46	54	487	495	486
Public Speaking	6,140	14	42	58	517	520	516
English As Second Language	1,767	4	42	58	420	482	429
AP®/Honors Courses	16,451	35	38	62	567	568	569

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	3,342	7	51	49	526	568	525
4 Years	34,834	74	47	53	515	526	514
3 Years	8,287	18	42	58	479	472	474
2 Years	350	1	51	49	450	454	447
1 Year	76	0	50	49	415	428	425
1/2 Year or Less	97	0	51	49	439	456	440
No Response	14,309						
Highest Level of Mathematics Achieved*							
Calculus	12,056	26	50	50	572	611	577
Pre-calculus	13,403	29	44	56	520	533	520
Trigonometry	5,256	11	45	55	487	490	483
Algebra II	13,181	29	45	55	463	451	455
Algebra I	1,526	3	45	55	414	395	406
AP/Honors Courses	14,210	30	47	53	566	598	569

*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	2,752	6	46	54	541	568	539
4 Years	28,114	60	47	53	521	533	520
3 Years	13,407	29	44	55	488	490	485
2 Years	1,640	4	50	50	465	473	458
1 Year	372	1	52	47	454	464	447
1/2 Year or Less	299	1	43	57	418	441	417
No Response	14,711						
Course Work or Experience							
Biology	43,865	98	45	55	511	521	510
Chemistry	41,012	91	45	55	515	527	515
Physics	26,629	59	50	50	527	547	527
Geology, Earth, or Space Science	21,208	47	46	54	498	505	494
Other Sciences	19,818	44	40	60	505	511	504
AP/Honors Courses	14,480	31	44	56	571	590	573

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	2,501	5	46	54	541	546	535
4 Years	28,778	61	47	53	520	528	519
3 Years	13,772	29	44	56	486	501	484
2 Years	1,353	3	51	49	471	493	468
1 Year	221	0	48	52	435	482	438
1/2 Year or Less	178	0	47	53	417	456	421
No Response	14,492						
Course Work or Experience							
U.S. History	42,753	95	46	54	511	521	510
World History or Cultures	37,355	83	45	54	513	523	512
U.S. Government or Civics	14,931	33	48	52	504	511	501
Economics	5,987	13	57	43	519	537	517
Geography	4,307	10	46	54	483	490	483
Psychology	15,764	35	35	65	516	518	516
European History	13,507	30	49	51	537	539	534
Sociology	7,278	16	36	64	503	503	501
Ancient History	8,860	20	50	50	527	532	524
Other Courses	10,010	22	45	55	515	519	511
AP/Honors Courses	16,772	36	44	56	568	574	569

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		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Years of Study							
More Than 4 Years	2,198	5	38	62	561	568	566
4 Years	16,047	34	41	59	551	559	556
3 Years	15,427	33	47	53	506	519	505
2 Years	9,594	21	53	47	465	475	455
1 Year	1,316	3	55	45	426	433	412
1/2 Year or Less	2,002	4	54	46	417	434	401
No Response	14,711						
Course Work or Experience							
Chinese	840	2	49	50	521	562	517
French	9,566	21	40	60	533	536	531
German	869	2	57	42	552	557	542
Greek	233	1	54	46	562	560	558
Hebrew	171	0	44	56	588	593	585
Italian	1,384	3	41	59	497	506	497
Japanese	226	1	53	47	543	566	533
Korean	62	0	35	65	469	574	481
Latin	5,641	13	48	52	556	558	551
Russian	193	0	51	49	538	541	533
Spanish	29,788	67	46	54	505	516	506
Other Languages	1,527	3	41	59	471	481	468
AP/Honors Courses	12,518	27	39	61	573	584	580

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	1,719	4	39	61	536	537	532
4 Years	9,104	20	37	63	541	541	542
3 Years	5,828	13	39	61	511	515	510
2 Years	8,360	19	46	54	508	518	507
1 Year	8,330	19	51	49	503	518	502
1/2 Year or Less	11,479	26	53	47	486	504	482
No Response	16,475						
Course Work or Experience							
Acting or Play Production	7,281	18	33	67	551	537	548
Art History or Appreciation	5,967	15	41	59	514	514	512
Dance	4,618	11	10	90	506	501	513
Drama: Study or Appreciation	5,635	14	32	68	537	526	537
Music: Study or Appreciation	5,911	15	54	46	541	540	538
Music Performance	12,462	31	41	59	539	542	539
Photography or Film	8,628	21	40	60	521	525	520
Studio Art and Design	11,100	28	38	62	526	531	526
None	10,156	25	56	44	477	497	473
AP/Honors Courses	3,611	8	37	63	572	572	575

Computers	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	24,982	61	47	53	513	522	510
Computer Programming	7,065	17	59	41	503	526	498
Word Processing	26,716	65	46	54	513	521	509
Internet Activity	19,397	47	48	52	514	524	511
Using Computer Graphics	13,096	32	53	47	511	525	506
Creating Spreadsheets/Databases	12,426	30	49	51	517	532	515
None	5,888	14	37	63	509	515	511

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
16,319	41,119	16,038	613	633	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	1,716	11
2	6,996	43
3	5,660	35
4 or More	1,947	12

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	6,147	610	102	6,034	629	97	610	92	633	96
History and Social Studies										
U.S. History	6,169	627	99	6,100	636	89	634	88	638	89
World History	701	606	104	690	646	94	632	96	639	98
Mathematics										
Mathematics Level 1	8,064	609	90	7,918	591	98	622	88	603	97
Mathematics Level 2	5,996	677	90	5,928	635	100	688	75	646	95
Science										
Biology-E	2,353	617	92	2,311	627	96	643	94	636	96
Biology-M	2,549	638	91	2,509	637	94	661	86	646	91
Chemistry	3,575	636	100	3,541	632	101	680	83	639	96
Physics	1,508	645	95	1,488	630	104	696	76	634	98
Foreign and Classical Languages										
Chinese/Listening	197	752	72	196	542	143	674	88	566	130
French	833	629	112	822	646	97	636	91	658	93
French/Listening	319	637	102	315	634	87	627	82	646	84
German	46	634	118	46	667	79	660	76	672	78
German/Listening	42	614	137	41	633	101	649	91	649	87
Modern Hebrew	31	673	129	29	609	94	627	100	637	100
Italian	52	656	128	51	612	98	609	90	640	98
Japanese/Listening	56	694	104	56	614	97	666	92	621	93
Korean/Listening	41	781	38	41	536	148	682	96	576	120
Latin	559	629	103	558	667	86	668	81	675	79
Spanish	1,525	616	108	1,516	616	97	621	96	637	97
Spanish/Listening	356	604	114	354	608	86	620	85	629	90

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	490	8	743	12	76	11
700-740	903	15	1,009	16	86	12
650-690	1,152	19	1,181	19	106	15
600-640	1,060	17	1,022	17	96	14
550-590	918	15	845	14	109	16
500-540	753	12	716	12	115	16
450-490	423	7	392	6	82	12
400-440	297	5	195	3	25	4
350-390	120	2	59	1	5	1
300-340	31	1	7	0	1	0
250-290						
200-240						
Total	6,147		6,169		701	
Mean	610		627		606	
SD	102		99		104	
75th percentile	690		710		680	
50th percentile	620		640		600	
25th percentile	540		550		520	

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	300	4	1,774	30	158	7	286	11	578	16	246	16
700-740	1,198	15	1,003	17	305	13	498	20	562	16	245	16
650-690	1,590	20	959	16	524	22	538	21	614	17	274	18
600-640	1,820	23	1,051	18	476	20	436	17	584	16	273	18
550-590	1,294	16	744	12	381	16	366	14	512	14	222	15
500-540	911	11	310	5	259	11	231	9	362	10	147	10
450-490	538	7	113	2	154	7	135	5	235	7	72	5
400-440	266	3	31	1	57	2	44	2	106	3	26	2
350-390	117	1	6	0	27	1	12	0	22	1	3	0
300-340	30	0	5	0	11	0	3	0				
250-290					1	0						
200-240												
Total	8,064		5,996		2,353		2,549		3,575		1,508	
Mean	609		677		617		638		636		645	
SD	90		90		92		91		100		95	
75th percentile	680		760		680		710		720		720	
50th percentile	620		690		630		650		640		650	
25th percentile	550		610		560		570		560		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	145	74	160	19	50	16	12	26	8	19	13	42
700-740	20	10	115	14	54	17	4	9	8	19	4	13
650-690	10	5	125	15	55	17	7	15	3	7	1	3
600-640	9	5	112	13	57	18	7	15	5	12	5	16
550-590	7	4	106	13	42	13	3	7	5	12	1	3
500-540	5	3	99	12	30	9	5	11	4	10	2	6
450-490	1	1	68	8	20	6	5	11	2	5	3	10
400-440			31	4	9	3	2	4	3	7	2	6
350-390			17	2	2	1	1	2	4	10		
300-340												
250-290												
200-240												
Total	197		833		319		46		42		31	
Mean	752		629		637		634		614		673	
SD	72		112		102		118		137		129	
75th percentile	800		720		720		740		730		790	
50th percentile	780		630		640		640		620		700	
25th percentile	740		540		560		530		500		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	14	27	26	46	37	90	97	17	194	13	55	15
700-740	10	19	7	13	1	2	85	15	202	13	34	10
650-690	8	15	6	11	2	5	72	13	244	16	47	13
600-640	7	13	8	14	1	2	82	15	269	18	54	15
550-590	5	10	3	5			93	17	207	14	60	17
500-540	2	4	3	5			62	11	188	12	41	12
450-490	2	4	2	4			52	9	108	7	31	9
400-440	1	2					15	3	77	5	17	5
350-390			1	2			1	0	26	2	15	4
300-340	2	4							8	1	2	1
250-290	1	2							1	0		
200-240									1	0		
Total	52		56		41		559		1,525		356	
Mean	656		694		781		629		616		604	
SD	128		104		38		103		108		114	
75th percentile	750		780		800		720		700		690	
50th percentile	680		720		800		620		620		610	
25th percentile	590		620		780		550		540		520	

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Reasoning Test	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Intended College Major					
Agriculture, Agriculture Operations, and Related Sciences	224	1	481	470	471
Architecture and Related Services	768	2	492	536	491
Area, Ethnic, Cultural and Gender Studies	34	0	558	531	559
Biological and Biomedical Sciences	1,815	5	543	554	540
Business Management, Marketing, and Related Support Services	6,357	17	489	516	490
Communication, Journalism and Related Programs	1,588	4	531	514	536
Computer and Information Sciences and Support Services	966	3	512	543	491
Construction Trades	84	0	431	458	417
Education	2,589	7	484	487	490
Engineering	2,536	7	524	580	514
Engineering Technologies/Technicians	439	1	465	505	444
English Language and Literature/Letters	665	2	593	534	588
Family and Consumer Sciences/Human Sciences	98	0	464	458	472
Foreign Languages, Literatures, and Linguistics	322	1	592	572	595
Health Professions and Related Clinical Services	5,960	15	486	499	493
History	611	2	558	527	536
Legal Professions and Studies	1,183	3	504	504	504
Liberal Arts and Sciences, General Studies, and Humanities	727	2	551	540	548
Library Science/Librarianship	7	0	554	463	520
Mathematics and Statistics	406	1	522	610	529
Mechanic and Repair Technologies/Technician	195	1	423	450	406
Military Sciences	58	0	517	524	491
Multi/Interdisciplinary Studies	60	0	615	607	606
Natural Resources and Conservation	183	0	537	533	525
Parks, Recreation, Leisure and Fitness Studies	326	1	465	498	467
Personal and Culinary Services	248	1	461	466	451
Philosophy and Religious Studies	92	0	591	560	572
Physical Sciences	470	1	566	594	556
Precision Production	5	0	446	476	436
Psychology	1,847	5	515	498	513
Public Administration and Social Services Professions	172	0	484	463	483
Security and Protective Services	956	2	466	477	458
Social Sciences	809	2	577	553	566
Theology and Religious Vocations	31	0	548	537	543
Transportation and Materials Moving	31	0	478	504	470
Visual and Performing Arts	3,270	9	519	505	516
Other	518	1	467	473	459
Undecided	1,820	5	533	544	532
Degree-Level Goal					
Certificate Program	437	1	435	453	430
Associate Degree	585	1	421	422	416
Bachelor's Degree	13,770	28	479	489	475
Master's Degree	14,263	29	516	527	516
Doctoral or Related Degree	6,290	13	544	554	545
Other	243	0	426	450	424
Undecided	14,393	29	522	531	520

College Plans

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

Of the 61,576 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 47,622 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 2,095 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF MASSACHUSETTS AMHERST	MA	Public	17,393	36.5
NORTHEASTERN UNIVERSITY	MA	Private	10,341	21.7
BOSTON UNIVERSITY	MA	Private	7,752	16.3
UNIVERSITY OF MASSACHUSETTS DARTMOUTH	MA	Public	7,000	14.7
BRIDGEWATER STATE COLLEGE	MA	Public	6,378	13.4
BOSTON COLLEGE	MA	Private	6,262	13.1
UNIVERSITY OF NEW HAMPSHIRE DURHAM	NH	Public	6,005	12.6
UNIVERSITY OF MASSACHUSETTS LOWELL	MA	Public	4,923	10.3
SALEM STATE COLLEGE	MA	Public	4,771	10.0
WESTFIELD STATE COLLEGE	MA	Public	4,574	9.6
UNIVERSITY OF VERMONT	VT	Public	4,366	9.2
SUFFOLK UNIVERSITY	MA	Private	4,330	9.1
UNIVERSITY OF MASSACHUSETTS BOSTON	MA	Public	4,085	8.6
UNIVERSITY OF RHODE ISLAND	RI	Public	3,915	8.2
TUFTS UNIVERSITY	MA	Private	3,569	7.5
UNIVERSITY OF CONNECTICUT	CT	Public	3,564	7.5
FRAMINGHAM STATE COLLEGE	MA	Public	3,563	7.5
QUINNIPIAC UNIVERSITY	CT	Private	3,421	7.2
WORCESTER STATE COLLEGE	MA	Public	3,210	6.7
FITCHBURG STATE COLLEGE	MA	Public	3,171	6.7
ROGER WILLIAMS UNIVERSITY	RI	Private	3,164	6.6
BENTLEY COLLEGE	MA	Private	2,730	5.7
BROWN UNIVERSITY	RI	Private	2,704	5.7
STONEHILL COLLEGE	MA	Private	2,698	5.7
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	2,420	5.1
SYRACUSE UNIVERSITY	NY	Private	2,418	5.1
PROVIDENCE COLLEGE	RI	Private	2,392	5.0
NEW YORK UNIVERSITY	NY	Private	2,375	5.0
ENDICOTT COLLEGE	MA	Private	2,325	4.9
ASSUMPTION COLLEGE	MA	Private	2,301	4.8
WORCESTER POLYTECHNIC INSTITUTE	MA	Private	2,271	4.8
BRYANT UNIVERSITY	RI	Private	2,183	4.6
EMMANUEL COLLEGE	MA	Private	2,080	4.4
SALVE REGINA UNIVERSITY	RI	Private	2,070	4.3
CORNELL UNIVERSITY	NY	Private	2,051	4.3
CURRY COLLEGE	MA	Private	1,956	4.1
MERRIMACK COLLEGE	MA	Private	1,934	4.1
SAINT ANSELM COLLEGE	NH	Private	1,931	4.1
COLLEGE OF THE HOLY CROSS	MA	Private	1,765	3.7
FAIRFIELD UNIVERSITY	CT	Private	1,727	3.6
DARTMOUTH COLLEGE	NH	Private	1,644	3.5
EMERSON COLLEGE	MA	Private	1,636	3.4
WENTWORTH INSTITUTE OF TECHNOLOGY	MA	Private	1,618	3.4
BRANDEIS UNIVERSITY	MA	Private	1,595	3.3
CLARK UNIVERSITY	MA	Private	1,583	3.3

*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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Puerto Rico and Latin America Office

208 Ponce de León Avenue, Suite 1501
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787 759-8629 (Fax - Reception area)
787 764-4306 (Fax - Director's office)

International Education Office

1233 20th Street NW, Suite 600
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202 741-4700
202 741-4745 (Fax)

Washington Office

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Washington, DC 20036-2375
202 741-4700
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850 521-4921 (Fax)

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518 472-1516 (Fax)

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915 L Street, Suite 1200
Sacramento, CA 95814-3705
916 444-6262
916 444-2868 (Fax)