

# State Profile Report

MASSACHUSETTS

## Included in this Report

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**SAT Reasoning Test™ Data**

**SAT Subject Tests™ Data**

**Demographic and Academic Information**

**College Plans**

# 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 2006* includes students who tested through April 2006.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2006 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](http://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, like the mean, gives an idea of the performance of the typical student. Comparing the 25th to the 75th percentile point gives an idea of the range of ability in the population.

## 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 5,000 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.

# Total Group Mean SAT Reasoning Test Scores

## College-Bound Seniors, 1972–2006

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
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

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 2000–2006, 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 2006. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through April 2006. 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*	
	Number	Mean	SD	Mean	SD	Mean	SD
Total	59,529	513	114	524	116	510	113

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Male	28,109	516	114	542	117	505	113
Female	31,420	510	114	508	113	515	113

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	
	Number	Mean	SD	Mean	SD	Mean	SD
Senior	43,507	502	107	515	111	502	108
Junior	15,463	541	125	546	127	535	126
Sophomore	495	556	129	570	124		
Freshman	64	566	141	579	135		
Total	59,529	513	114	524	116	510	113

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	
	Number	Mean	SD	Mean	SD	Mean	SD
Total Group	1,465,744	503	113	518	115	497	109

\*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 59,529 students in this report, 57,265 students have scores on the SAT writing section.

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	600	570
50th	510	520	510	500	520	490
25th	440	440	430	430	440	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	711	773	1,484	1,088	481	1,569	435	674	1,109
700–749	1,012	1,070	2,082	1,818	1,149	2,967	997	1,218	2,215
650–699	2,022	2,155	4,177	2,810	2,106	4,916	1,811	2,188	3,999
600–649	3,248	3,355	6,603	3,683	3,235	6,918	2,706	3,337	6,043
550–599	3,918	4,119	8,037	4,168	4,323	8,491	3,539	4,232	7,771
500–549	4,937	5,503	10,440	4,626	5,422	10,048	4,600	5,287	9,887
450–499	4,559	5,181	9,740	3,916	5,289	9,205	4,513	4,967	9,480
400–449	3,823	4,498	8,321	3,024	4,439	7,463	3,791	3,992	7,783
350–399	2,168	2,797	4,965	1,696	2,800	4,496	2,604	2,568	5,172
300–349	1,037	1,244	2,281	794	1,281	2,075	1,247	1,135	2,382
250–299	401	464	865	311	576	887	486	454	940
200–249	273	261	534	175	319	494	246	238	484

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	46,680	82	46	54	506	518	502
Religiously Affiliated	6,119	11	52	48	530	530	534
Independent	4,248	7	51	49	588	601	591
Other or Unknown	2,482						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	56,996	96	514	114	525	116	511	113
Nonstandard Conditions	2,533	4	485	114	488	122	478	112

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	275	0	482	101	486	106	474	102
Asian, Asian American, or Pacific Islander	3,316	6	506	133	577	127	508	133
Black or African American	3,380	6	430	103	430	105	426	101
Mexican or Mexican American	174	0	490	106	491	100	487	104
Puerto Rican	853	1	434	101	431	100	427	97
Other Hispanic, Latino, or Latin American	1,766	3	445	108	450	108	438	109
White	41,457	70	525	105	534	107	523	105
Other	1,926	3	495	122	499	121	490	121
No Response*	6,382	11	521	134	524	133	510	132
Total	59,529	100	513	114	524	116	510	113

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	124	0	473	100	498	103	458	104
Asian, Asian American, or Pacific Islander	1,614	3	507	132	595	124	503	134
Black or African American	1,434	2	427	103	440	107	417	100
Mexican or Mexican American	78	0	486	106	497	102	484	98
Puerto Rican	343	1	445	103	457	103	429	99
Other Hispanic, Latino, or Latin American	759	1	447	110	470	111	435	109
White	19,748	33	527	105	552	108	517	105
Other	811	1	496	122	517	120	482	118
No Response*	3,198	5	520	132	536	134	500	130
Total	28,109	47	516	114	542	117	505	113

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	151	0	489	101	476	107	487	99
Asian, Asian American, or Pacific Islander	1,702	3	504	134	560	126	513	132
Black or African American	1,946	3	432	104	422	103	432	101
Mexican or Mexican American	96	0	493	105	485	98	489	108
Puerto Rican	510	1	427	99	413	94	425	97
Other Hispanic, Latino, or Latin American	1,007	2	443	106	435	103	440	109
White	21,709	36	522	104	518	103	528	104
Other	1,115	2	494	122	486	121	495	123
No Response*	3,184	5	523	137	511	130	520	133
Total	31,420	53	510	114	508	113	515	113

\*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.

## 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	59,529	100	513	114	524	116	510	113
<b>First Language Learned</b>								
English	45,794	83	523	107	530	110	520	107
English and Another	5,685	10	480	117	497	123	478	117
Another Language	3,948	7	458	127	510	138	460	130
No Response*	4,102							
<b>Citizenship</b>								
U.S. Citizen / U.S. National	49,907	95	519	109	527	112	516	109
U.S. Permanent Resident or Refugee	1,723	3	447	131	500	135	451	130
Citizen of Another Country	800	2	468	128	562	138	476	131
Other, Unknown, or No Response*	7,099							
<b>Disabling Condition</b>								
Yes	4,500	8	481	114	482	117	469	111
Unknown or No Response*	55,029							
<b>Plans to Apply for Financial Aid</b>								
Yes	38,489	75	504	108	513	110	501	107
No	3,901	8	560	114	577	115	563	115
Don't Know	9,116	18	530	115	546	116	529	115
<b>Family Income</b>								
Less than \$10,000	1,311	4	416	110	435	111	412	105
\$10,000–\$20,000	1,826	5	446	107	460	109	440	106
\$20,000–\$30,000	2,117	6	463	102	476	109	459	103
\$30,000–\$40,000	2,741	8	481	100	491	104	476	98
\$40,000–\$50,000	2,501	7	496	101	504	104	492	101
\$50,000–\$60,000	3,001	9	498	101	505	104	492	100
\$60,000–\$70,000	2,941	9	501	99	510	102	499	99
\$70,000–\$80,000	3,316	10	510	100	519	102	507	97
\$80,000–\$100,000	5,369	16	521	100	533	103	520	99
More than \$100,000	9,241	27	558	107	572	109	558	107
No Response*	25,165							
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,791	3	412	99	441	113	409	100
High School Diploma	14,827	29	469	96	478	101	465	95
Associate Degree	4,873	9	482	93	493	98	480	92
Bachelor's Degree	15,852	31	524	101	536	104	522	100
Graduate Degree	14,600	28	574	109	583	110	573	108
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	20,331	42	505	106	515	108	503	104
Yes, As a Sophomore or Younger	7,231	15	524	111	535	112	522	110
Yes, As a Junior and As a Sophomore or Younger	11,497	24	558	100	570	101	560	99
No	9,303	19	472	115	479	118	460	113

\*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.

## 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
Top Tenth	6,103	26	42	58	602	620	604
Second Tenth	5,721	24	45	55	535	556	535
Second Fifth	5,106	21	48	52	501	515	498
Final Three Fifths	6,997	29	52	48	455	461	448
No Response*	35,602						

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)	1,000	2	39	61	617	634	626
A (93–96)	5,119	10	36	64	601	617	604
A- (90–92)	8,535	16	40	60	572	589	574
B (80–89)	29,138	56	47	53	502	514	500
C (70–79)	8,377	16	57	43	437	439	428
D, E, or F (below 70)	302	1	66	34	414	422	400
No Response*	7,058						
<b>Mean Grade Point Average</b>	<b>All Students: 3.11</b>		<b>Male: 3.02</b>		<b>Female: 3.18</b>		

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	1.7	2.1	2.0	3.58	3.77	3.68
English	3.9	3.9	3.9	3.02	3.26	3.15
Foreign and Classical Languages	3.0	3.2	3.1	2.97	3.24	3.12
Mathematics	3.9	3.8	3.8	3.02	3.03	3.03
Natural Sciences	3.6	3.6	3.6	3.07	3.14	3.10
Social Sciences and History	3.7	3.6	3.7	3.19	3.26	3.23
<b>Total for All Subjects</b>	<b>19.8</b>	<b>20.2</b>	<b>20.1</b>			

Table 16: Total Years of Study in Combined Six Academic Subjects

Total years of study is calculated by combining the number of years that students studied each of the following subjects during high school: Arts and Music, English, Foreign and Classical Languages, Mathematics, Natural Sciences, and Social Sciences and History. 'Incomplete Response' denotes the number of test-takers who did not respond to all six subjects.

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
20 or More Years	26,787	61	43	57	545	554	544
19 or 19.5 Years	4,682	11	51	49	498	511	495
18 or 18.5 Years	3,896	9	50	50	484	492	478
17 or 17.5 Years	2,462	6	47	53	458	468	454
16 or 16.5 Years	2,002	5	50	50	452	462	446
15 or 15.5 Years	1,687	4	51	49	452	462	447
Less than 15 Years	2,346	5	50	50	446	463	439
Incomplete Response	15,667						

\*'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.

## Academic Information

### Course-Taking Patterns

Table 17: English, Mathematics

<b>English</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,648	6	42	58	525	532	522
4 Years	37,922	80	46	54	520	530	518
3 Years	5,935	13	45	55	467	476	464
2 Years	595	1	49	51	499	532	503
1 Year	208	0	47	53	525	546	518
1/2 Year or Less	126	0	53	47	490	500	491
No Response*	12,095						
<b>Course Work or Experience</b>							
American Literature	39,460	91	46	54	522	530	519
Grammar	29,410	67	45	55	522	530	520
Composition	27,672	64	45	55	531	536	528
Literature, Historical Periods	20,350	47	43	57	547	549	543
British Literature	16,821	39	44	56	549	550	545
Speaking and Listening	12,905	30	43	57	522	527	518
Literature, Other Country	8,852	20	43	57	554	556	549
English As Second Language	1,684	4	44	56	415	478	419
AP®/Honors Courses	17,177	36	39	61	574	576	574

  

<b>Mathematics</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,774	8	51	49	534	572	530
4 Years	33,514	70	46	54	522	533	520
3 Years	9,279	20	43	57	477	471	472
2 Years	673	1	45	55	496	512	492
1 Year	178	0	49	51	529	552	528
1/2 Year or Less	130	0	52	48	478	488	483
No Response*	11,981						
<b>Course Work or Experience</b>							
Algebra	45,698	97	46	54	512	522	510
Geometry	44,916	96	46	54	514	524	511
Trigonometry	19,086	41	47	53	539	559	538
Precalculus	23,226	49	47	53	552	576	552
Calculus	12,631	27	50	50	579	614	580
Other Math Courses	13,192	28	45	55	498	507	494
Computer Math	3,921	8	61	39	513	538	507
AP/Honors Courses	14,470	30	47	53	577	608	577

\*'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.

## Academic Information

### Course-Taking Patterns

Table 18: Natural Sciences, Social Sciences and History

<b>Natural Sciences</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,860	6	48	52	543	572	539
4 Years	27,279	58	47	53	527	539	525
3 Years	13,937	30	44	56	490	493	487
2 Years	2,020	4	48	52	483	488	477
1 Year	595	1	50	50	484	499	471
1/2 Year or Less	408	1	44	56	446	458	443
No Response*	12,430						
<b>Course Work or Experience</b>							
Biology	45,711	97	46	54	514	524	511
Chemistry	42,225	90	46	54	518	530	516
Physics	27,146	58	51	49	534	553	532
Geology, Earth, or Space Science	19,749	42	46	54	504	510	499
Other Sciences	20,079	43	41	59	504	510	502
AP/Honors Courses	14,975	32	45	55	579	599	579

  

<b>Social Sciences and History</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,883	6	46	54	543	548	535
4 Years	28,103	59	47	53	527	534	524
3 Years	14,127	30	44	56	486	501	484
2 Years	1,622	3	47	53	492	513	491
1 Year	368	1	45	55	492	524	489
1/2 Year or Less	205	0	43	57	447	470	444
No Response*	12,221						
<b>Course Work or Experience</b>							
U.S. History	45,629	97	46	54	512	522	510
World History or Cultures	39,429	84	46	54	514	524	512
U.S. Government or Civics	13,681	29	49	51	508	514	503
Economics	6,412	14	56	44	519	537	515
Geography	6,268	13	45	55	480	490	478
Psychology	15,269	32	35	65	520	523	520
European History	13,630	29	48	52	543	548	539
Sociology	6,750	14	37	63	506	507	503
Ancient History	9,402	20	48	52	527	534	522
Anthropology	1,004	2	45	55	514	515	509
Other Courses	11,408	24	44	56	516	522	513
AP/Honors Courses	16,926	36	44	56	576	582	574

\*'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.

## Academic Information

### Course-Taking Patterns

Table 19: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,536	5	38	62	569	577	570
4 Years	16,987	36	41	59	557	566	560
3 Years	14,769	31	47	53	506	517	503
2 Years	9,307	20	53	47	468	478	460
1 Year	1,431	3	51	49	438	447	426
1/2 Year or Less	2,098	4	53	47	413	429	401
No Response*	12,401						
<b>Course Work or Experience</b>							
Chinese	880	2	47	53	522	584	521
French	11,894	25	40	60	538	542	534
German	1,159	2	54	46	547	550	536
Greek	433	1	52	48	564	569	566
Hebrew	514	1	40	60	586	595	594
Italian	1,478	3	43	57	496	500	495
Japanese	320	1	53	47	543	567	527
Korean	151	0	50	50	526	598	528
Latin	6,705	14	47	53	559	565	554
Russian	376	1	48	52	525	538	520
Spanish	31,369	67	45	55	508	518	507
Other Languages	1,639	3	41	59	466	483	466
AP/Honors Courses	13,770	29	39	61	580	591	584

\*'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.

## Academic Information

### Course-Taking Patterns

Table 20: Arts and Music, Computers

<b>Arts and Music</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,793	4	38	62	545	545	542	
4 Years	9,107	20	37	63	550	551	549	
3 Years	5,330	12	38	62	521	523	518	
2 Years	8,373	18	46	54	516	527	515	
1 Year	9,102	20	48	52	506	520	504	
1/2 Year or Less	11,839	26	53	47	486	503	482	
No Response*	13,985							
<b>Course Work or Experience</b>								
Acting or Play Production	7,751	19	34	66	558	545	554	
Art History or Appreciation	6,903	17	40	60	527	526	525	
Dance	4,442	11	10	90	516	512	520	
Drama: Study or Appreciation	5,843	15	32	68	544	535	543	
Music: Study or Appreciation	6,209	15	51	49	548	546	542	
Music Performance	12,315	31	39	61	551	553	549	
Photography or Film	9,092	23	41	59	533	538	530	
Studio Art and Design	12,115	30	39	61	533	539	531	
None	9,064	23	55	45	478	497	475	
AP/Honors Courses	4,202	9	39	61	580	584	582	
<b>Computers</b>								
<b>Course Work or Experience</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>			
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	25,548	59	47	53	518	527	514	
Computer Programming	7,625	18	62	38	515	538	508	
Word Processing	28,223	65	45	55	516	525	513	
Internet Activity	20,567	47	47	53	521	530	517	
Using Computer Graphics	13,722	32	52	48	519	533	515	
Creating Spreadsheets/Databases	14,358	33	48	52	525	540	522	
None	6,680	15	38	62	523	527	522	

\*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.

## SAT Subject Tests™ Data

Table 21: 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
17,240	45,432	16,782	610	628	612

  

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	1,851	11
2	6,409	37
3	6,285	36
4 or More	2,695	16

Table 22: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT Reasoning Test

Most, but not all, students who take the SAT Subject Tests also take the SAT Reasoning Test. This table provides a side-by-side presentation of the two scores for those students who took both tests.

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading		Mathematics		Writing	
					Mean	SD	Mean	SD	Mean	SD
<b>English</b>										
Writing*	1,760	647	97	1,741	649	88	656	82	672	84
Literature	6,575	607	101	6,434	624	98	606	93	621	94
<b>History and Social Studies</b>										
U.S. History	6,478	622	104	6,366	632	92	627	91	627	90
World History	723	606	105	706	644	96	625	94	636	100
<b>Mathematics</b>										
Mathematics Level 1	9,552	602	89	9,380	594	96	620	87	599	94
Mathematics Level 2	5,769	670	88	5,708	636	99	687	75	639	94
<b>Science</b>										
Biology-E	2,273	604	95	2,183	625	99	637	95	626	96
Biology-M	2,765	625	90	2,681	632	89	652	85	634	86
Chemistry	3,468	626	99	3,411	629	99	675	83	631	94
Physics	1,556	643	92	1,536	633	97	696	76	630	94
<b>Foreign and Classical Languages</b>										
Chinese/Listening	170	760	68	166	564	148	668	94	575	138
French	1,028	616	114	1,021	643	101	638	93	650	95
French/Listening	367	627	103	365	635	84	625	85	643	84
German	58	596	118	58	659	84	644	81	659	76
German/Listening	35	576	107	35	653	85	641	87	647	72
Modern Hebrew	40	687	107	40	615	104	649	81	654	91
Italian	57	650	95	56	604	109	621	99	629	94
Japanese/Listening	43	711	111	41	591	116	681	74	595	116
Korean/Listening	50	779	38	48	567	112	693	71	606	118
Latin	538	620	106	535	659	97	664	86	660	90
Spanish	1,681	616	114	1,669	615	102	620	94	627	102
Spanish/Listening	446	603	107	442	601	94	603	91	614	94

\*After the January 2005 administration, the SAT Subject Test in Writing was no longer administered because the SAT Reasoning Test now includes the writing section; 2006 is the last year for which scores for the SAT Subject Test in Writing are reported.

NOTE: The ELPT (English Language Proficiency Test) was last administered in January 2005. Please consult the 2005 College-Bound Seniors Reports for data on ELPT.

## SAT Subject Tests Score Distributions

Table 23: English, History and Social Studies

SAT Subject Tests	English				History and Social Studies			
	Writing		Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct	N	Pct
750–800	313	18	497	8	812	13	85	12
700–749	321	18	906	14	1,022	16	79	11
650–699	311	18	1,188	18	1,114	17	95	13
600–649	281	16	1,213	18	1,018	16	124	17
550–599	246	14	993	15	915	14	124	17
500–549	160	9	821	12	753	12	93	13
450–499	91	5	527	8	477	7	80	11
400–449	29	2	272	4	256	4	38	5
350–399	7	0	123	2	93	1	3	0
300–349	1	0	34	1	18	0	2	0
250–299			1	0				
200–249								
Total	1,760		6,575		6,478		723	
Mean	647		607		622		606	
SD	97		101		104		105	
75th percentile	720		680		710		690	
50th percentile	650		610		630		600	
25th percentile	580		540		550		520	

Table 24: 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	305	3	1,391	24	137	6	234	8	435	13	212	14
700–749	1,146	12	1,004	17	280	12	433	16	552	16	287	18
650–699	1,852	19	1,099	19	378	17	513	19	591	17	300	19
600–649	2,090	22	1,103	19	500	22	568	21	628	18	286	18
550–599	1,636	17	728	13	380	17	502	18	468	13	243	16
500–549	1,403	15	281	5	284	12	283	10	390	11	116	7
450–499	628	7	103	2	179	8	160	6	262	8	82	5
400–449	307	3	34	1	88	4	41	1	116	3	25	2
350–399	155	2	14	0	36	2	24	1	26	1	5	0
300–349	30	0	12	0	10	0	7	0				
250–299					1	0						
200–249												
Total	9,552		5,769		2,273		2,765		3,468		1,556	
Mean	602		670		604		625		626		643	
SD	89		88		95		90		99		92	
75th percentile	670		740		670		690		700		710	
50th percentile	610		670		610		630		630		650	
25th percentile	540		610		540		570		550		580	

## SAT Subject Tests Score Distributions

Table 25: 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	130	76	155	15	54	15	9	16	2	6	15	38
700–749	21	12	152	15	57	16	5	9	5	14	6	15
650–699	6	4	143	14	58	16	6	10	4	11	6	15
600–649	7	4	128	12	52	14	5	9	1	3	4	10
550–599	2	1	134	13	61	17	11	19	7	20	4	10
500–549	2	1	135	13	45	12	10	17	8	23	2	5
450–499	1	1	105	10	27	7	6	10	4	11	2	5
400–449			55	5	11	3	4	7	3	9	1	3
350–399	1	1	18	2	2	1	2	3	1	3		
300–349			3	0								
250–299												
200–249												
Total	170		1,028		367		58		35		40	
Mean	760		616		627		596		576		687	
SD	68		114		103		118		107		107	
75th percentile	800		710		710		690		660		800	
50th percentile	790		620		630		580		550		710	
25th percentile	750		520		550		510		490		620	

Table 26: 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	10	18	24	56	44	88	87	16	246	15	59	13
700–749	7	12	5	12	3	6	69	13	244	15	48	11
650–699	17	30	3	7	2	4	70	13	245	15	40	9
600–649	9	16	3	7	1	2	70	13	244	15	85	19
550–599	7	12	4	9			99	18	240	14	77	17
500–549	3	5	2	5			71	13	186	11	60	13
450–499	2	4	1	2			49	9	144	9	47	11
400–449	1	2					22	4	75	4	23	5
350–399	1	2	1	2			1	0	39	2	6	1
300–349									14	1	1	0
250–299									4	0		
200–249												
Total	57		43		50		538		1,681		446	
Mean	650		711		779		620		616		603	
SD	95		111		38		106		114		107	
75th percentile	710		790		800		710		710		690	
50th percentile	660		770		800		610		630		600	
25th percentile	590		610		770		540		530		520	

## College Plans

Table 27: Intended College Major, Degree-Level Goal, Plans for Advanced Standing

SAT Reasoning Test	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
<b>Intended College Major</b>					
Agriculture or Natural Resources	301	1	487	480	476
Architecture or Environmental Design	1,015	3	492	532	495
Arts: Visual and Performing	3,168	9	522	506	518
Biological Sciences	2,086	6	549	560	545
Business and Commerce	5,949	17	489	516	490
Communications	1,823	5	526	510	532
Computer or Information Sciences	1,198	3	516	551	500
Education	2,623	7	486	484	489
Engineering and Engineering Technologies	2,620	7	518	576	508
Foreign or Classical Languages	282	1	595	566	598
General or Interdisciplinary Studies	229	1	552	546	547
Health and Allied Services	5,190	15	483	495	488
Home Economics	151	0	464	473	465
Language and Literature	907	3	611	555	601
Library and Archival Sciences	6	0	618	583	588
Mathematics	340	1	553	642	554
Military Sciences	150	0	507	510	484
Philosophy, Religion, or Theology	160	0	574	552	552
Physical Sciences	493	1	567	594	554
Public Affairs and Services	1,481	4	468	467	462
Social Sciences and History	3,657	10	549	528	540
Technical and Vocational	554	2	433	448	420
Undecided	1,143	3	525	539	518
<b>Degree-Level Goal</b>					
Certificate Program	532	1	444	459	438
Associate Degree	628	1	415	412	406
Bachelor's Degree	13,086	25	479	489	476
Master's Degree	14,216	28	523	534	521
Doctoral or Related Degree	6,848	13	559	569	557
Other	244	0	446	451	441
Undecided	15,810	31	523	533	521
<b>Plans for Advanced Standing in College Courses</b>					
Art	1,681	4	518	518	517
Biology	4,299	11	583	598	584
Chemistry	3,033	7	582	622	581
Computer Science	995	2	544	588	530
English	8,152	20	593	582	592
Foreign Languages	5,315	13	589	595	594
Humanities	931	2	594	581	586
Mathematics	7,714	19	578	628	580
Music	1,011	2	517	523	518
Physics	2,666	7	598	648	594
Social Studies	8,485	21	598	596	594
None of These	20,888	51	477	484	474

## College Plans

**Table 28: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 59,987 students from your state who participated in the SAT Program, 44,837 designated that their SAT 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 2,219 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF MASSACHUSETTS AMHERST	MA	Public	15,320	34.2
NORTHEASTERN UNIVERSITY	MA	Private	9,436	21.0
BOSTON UNIVERSITY	MA	Private	7,815	17.4
BOSTON COLLEGE	MA	Private	6,378	14.2
UNIVERSITY OF MASSACHUSETTS DARTMOUTH	MA	Public	5,858	13.1
BRIDGEWATER STATE COLLEGE	MA	Public	5,360	12.0
UNIVERSITY OF NEW HAMPSHIRE DURHAM	NH	Public	4,313	9.6
UNIVERSITY OF MASSACHUSETTS LOWELL	MA	Public	3,984	8.9
SALEM STATE COLLEGE	MA	Public	3,892	8.7
WESTFIELD STATE COLLEGE	MA	Public	3,845	8.6
TUFTS UNIVERSITY	MA	Private	3,763	8.4
UNIVERSITY OF VERMONT	VT	Public	3,555	7.9
UNIVERSITY OF MASSACHUSETTS BOSTON	MA	Public	3,508	7.8
UNIVERSITY OF CONNECTICUT	CT	Public	3,412	7.6
SUFFOLK UNIVERSITY	MA	Private	3,347	7.5
FRAMINGHAM STATE COLLEGE	MA	Public	3,228	7.2
PROVIDENCE COLLEGE	RI	Private	3,025	6.7
BROWN UNIVERSITY	RI	Private	2,867	6.4
UNIVERSITY OF RHODE ISLAND	RI	Public	2,852	6.4
WORCESTER STATE COLLEGE	MA	Public	2,660	5.9
BENTLEY COLLEGE	MA	Private	2,645	5.9
FITCHBURG STATE COLLEGE	MA	Public	2,628	5.9
STONEHILL COLLEGE	MA	Private	2,574	5.7
ROGER WILLIAMS UNIVERSITY	RI	Private	2,469	5.5
NEW YORK UNIVERSITY	NY	Private	2,427	5.4
QUINNIPIAC UNIVERSITY	CT	Private	2,423	5.4
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	2,423	5.4
SYRACUSE UNIVERSITY	NY	Private	2,418	5.4
ASSUMPTION COLLEGE	MA	Private	2,228	5.0
MERRIMACK COLLEGE	MA	Private	2,172	4.8
CORNELL UNIVERSITY	NY	Private	2,030	4.5
WORCESTER POLYTECHNIC INSTITUTE	MA	Private	1,988	4.4
ENDICOTT COLLEGE	MA	Private	1,891	4.2
SALVE REGINA UNIVERSITY	RI	Private	1,854	4.1
BRYANT UNIVERSITY	RI	Private	1,836	4.1
COLLEGE OF THE HOLY CROSS	MA	Private	1,831	4.1
FAIRFIELD UNIVERSITY	CT	Private	1,753	3.9
GEORGE WASHINGTON UNIVERSITY	DC	Private	1,717	3.8
BRANDEIS UNIVERSITY	MA	Private	1,666	3.7
SAINT ANSELM COLLEGE	NH	Private	1,636	3.6
CLARK UNIVERSITY	MA	Private	1,594	3.6
CURRY COLLEGE	MA	Private	1,582	3.5
EMERSON COLLEGE	MA	Scholarship	1,557	3.5
DARTMOUTH COLLEGE	NH	Private	1,497	3.3
ITHACA COLLEGE	NY	Private	1,437	3.2

\*Of your students who designated that their SAT Program 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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