



2008 College-Bound Seniors

State Profile Report

COLORADO

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		Essay
Total	10,510	564	98	570	99	553	97	55.4	9.8	7.7	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		Essay
Male	4,712	565	100	589	99	544	97	54.6	9.9	7.5	1.6
Female	5,795	563	97	555	97	560	95	56.0	9.8	7.8	1.4
No Response**	3										

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		Essay
Senior (2007-2008)	5,087	557	99	560	101	543	99	54.5	10.0	7.6	1.6
Junior (2006-2007)	5,365	570	98	579	97	562	94	56.3	9.6	7.8	1.5
Sophomore (2005-2006)	45	547	115	573	119	519	96	53.1	9.7	6.9	2.0
Freshman (2004-2005)	13	538		537		523		52.3		7.7	
Total	10,510	564	98	570	99	553	97	55.4	9.8	7.7	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		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 10,510 students in this report, 10,503 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	630	640	620	580	590	570
50th	560	570	550	500	510	490
25th	500	500	490	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	153	154	307	266	124	390	101	151	252
700–740	283	332	616	370	285	656	201	329	530
650–690	585	634	1,219	827	652	1,480	408	598	1,007
600–640	807	1,127	1,934	888	919	1,808	682	1,002	1,685
550–590	894	1,076	1,970	878	1,258	2,136	917	1,212	2,129
500–540	828	1,083	1,912	688	1,032	1,720	948	1,070	2,018
450–490	613	750	1,363	431	760	1,191	722	774	1,496
400–440	333	375	708	207	463	670	425	405	830
350–390	139	177	316	103	202	305	204	172	377
300–340	58	56	114	32	70	102	67	66	133
250–290	13	20	34	17	25	42	24	13	37
200–240	6	11	17	5	5	10	6	3	9

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	7,913	83	45	55	566	577	555
Religiously Affiliated	1,118	12	46	54	549	540	537
Independent	510	5	52	48	582	576	576
Other or Unknown	969						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	10,331	98	564	98	570	99	553	97
Nonstandard Conditions	179	2	546	106	551	113	539	99

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	60	1	543	102	538	96	495	88
Asian, Asian American, or Pacific Islander	588	6	552	118	609	109	546	113
Black or African American	313	3	498	99	483	102	486	95
Mexican or Mexican American	226	2	515	104	513	100	502	102
Puerto Rican	35	0	564	94	544	78	533	88
Other Hispanic, Latino, or Latin American	355	3	525	103	526	105	512	99
White	8,192	78	569	93	574	94	558	93
Other	231	2	561	110	562	114	562	96
No Response	510	5	584	108	572	106	566	107
Total	10,510	100	564	98	570	99	553	97

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	25	0	528	107	562	104	475	87
Asian, Asian American, or Pacific Islander	258	2	559	112	630	100	542	110
Black or African American	138	1	493	96	491	106	475	92
Mexican or Mexican American	92	1	511	98	542	99	492	103
Puerto Rican	15	0	579		571		536	
Other Hispanic, Latino, or Latin American	148	1	530	107	555	104	513	101
White	3,698	35	569	96	592	94	548	94
Other	101	1	564	111	583	116	555	99
No Response	237	2	586	111	590	109	560	110
Total	4,712	45	565	100	589	99	544	97

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	35	0	553	98	522	87	509	86
Asian, Asian American, or Pacific Islander	330	3	547	123	593	113	550	116
Black or African American	175	2	502	101	477	98	495	96
Mexican or Mexican American	134	1	517	107	494	96	509	100
Puerto Rican	20	0	553		524		531	
Other Hispanic, Latino, or Latin American	207	2	522	101	505	100	511	98
White	4,493	43	569	91	559	91	567	91
Other	130	1	559	110	546	109	566	94
No Response	271	3	583	103	556	101	572	104
Total	5,795	55	563	97	555	97	560	95

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	10,510	100	564	98	570	99	553	97
First Language Learned								
English	8,868	89	566	95	569	96	554	93
English and Another	672	7	544	105	558	109	533	103
Another Language	371	4	505	125	571	124	513	123
No Response	599							
Citizenship								
U.S. Citizen / U.S. National	9,558	97	564	96	568	97	552	94
U.S. Permanent Resident or Refugee	179	2	527	124	581	124	528	126
Citizen of Another Country	95	1	464	129	575	135	485	125
Other, Unknown, or No Response	678							
Disabling Condition								
Yes	525	5	539	106	538	107	523	101
Unknown or No Response	9,985							
Plans to Apply for Financial Aid								
Yes	6,267	67	564	98	567	100	552	97
No	900	10	554	94	570	95	550	93
Don't Know	2,136	23	561	96	570	96	549	93
Family Income								
\$0 - \$20,000	196	3	510	113	523	118	498	113
\$20,000–\$40,000	477	7	541	101	543	99	531	92
\$40,000–\$60,000	758	11	555	100	555	102	541	98
\$60,000–\$80,000	995	14	552	97	555	98	539	97
\$80,000–\$100,000	1,130	16	560	96	561	96	546	92
\$100,000–\$120,000	1,086	16	567	95	574	96	552	93
\$120,000–\$140,000	596	9	562	94	569	95	545	91
\$140,000–\$160,000	415	6	564	89	574	90	553	89
\$160,000–\$200,000	472	7	569	96	578	96	560	97
More than \$200,000	752	11	568	91	583	93	566	91
No Response	3,633							
Highest Level of Parental Education								
No High School Diploma	88	1	475	117	498	119	464	107
High School Diploma	1,211	13	516	91	524	97	505	90
Associate Degree	411	4	522	90	535	95	517	88
Bachelor's Degree	3,627	38	557	94	564	95	545	92
Graduate Degree	4,169	44	585	93	589	95	574	93
Took the PSAT/NMSQT®								
Yes, As a Junior	4,457	49	564	97	570	97	552	94
Yes, As a Sophomore or Younger	1,437	16	549	91	556	95	537	90
Yes, As a Junior and As a Sophomore or Younger	1,952	22	593	91	603	92	587	91
No	1,181	13	534	99	531	99	516	93

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	2,644	43	38	62	614	628	607
Second Tenth	1,677	27	42	58	562	571	551
Second Fifth	1,041	17	52	48	540	550	527
Final Three Fifths	821	13	55	45	503	500	489
No Response	4,327						

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)	1,108	11	36	64	620	625	611
A (93–96)	2,540	26	37	63	597	607	590
A- (90–92)	2,083	21	42	58	566	576	556
B (80–89)	3,443	35	50	50	530	532	516
C (70–79)	579	6	66	34	483	483	464
D, E, or F (below 70)	13	0	62	38	482	475	462
No Response	744						
Mean Grade Point Average	All Students: 3.53		Male: 3.43		Female: 3.62		

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	2.0	2.5	2.3	3.82	3.93	3.88
English and Language Arts	4.0	4.0	4.0	3.41	3.67	3.55
Foreign and Classical Languages	3.1	3.3	3.2	3.33	3.56	3.46
Mathematics	4.0	3.9	3.9	3.34	3.36	3.35
Natural Sciences	3.8	3.7	3.8	3.43	3.49	3.46
Social Sciences and History	3.7	3.8	3.8	3.51	3.65	3.59
Total for All Subjects	20.6	21.2	21.0			

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	753	9	37	63	591	587	576
4 Years	7,274	84	45	55	565	572	554
3 Years	599	7	45	55	524	532	515
2 Years	48	1	54	46	548	539	529
1 Year	9	0	33	67	508	552	511
1/2 Year or Less	4	0	50	50			
No Response	1,823						
Course Work or Experience							
English/Language Arts	8,078	96	43	57	565	570	554
Journalism	1,160	14	33	67	571	555	562
Creative Writing	2,489	29	41	59	557	550	545
American Literature	5,708	68	43	57	566	569	555
Composition/Writing	4,195	50	43	57	560	562	549
British Literature	2,330	28	43	57	582	578	566
World Literature	4,019	48	44	56	572	576	560
Communications	1,040	12	45	55	561	565	551
Public Speaking	3,079	36	43	57	566	567	553
English As Second Language	203	2	44	56	479	560	484
AP®/Honors Courses	4,713	54	37	63	600	598	590

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	955	11	51	49	581	617	569
4 Years	6,348	73	44	56	567	574	556
3 Years	1,326	15	38	62	541	523	527
2 Years	67	1	58	42	537	501	508
1 Year	3	0	0	100			
1/2 Year or Less	4	0	75	25			
No Response	1,807						
Highest Level of Mathematics Achieved*							
Calculus	3,888	45	47	53	597	627	589
Pre-calculus	2,489	29	42	58	554	554	543
Trigonometry	719	8	41	59	534	520	522
Algebra II	1,355	16	41	59	512	483	496
Algebra I	127	1	40	60	469	429	456
AP/Honors Courses	4,325	50	44	56	597	619	587

*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	886	10	44	56	594	622	583
4 Years	5,226	60	46	54	569	579	559
3 Years	2,241	26	39	61	546	538	534
2 Years	250	3	47	53	533	518	512
1 Year	58	1	45	55	479	491	462
1/2 Year or Less	13	0	46	54	481	455	444
No Response	1,836						
Course Work or Experience							
Biology	8,259	97	43	57	564	570	553
Chemistry	7,896	93	44	56	567	575	557
Physics	5,121	60	50	50	576	594	565
Geology, Earth, or Space Science	4,629	54	44	56	548	552	537
Other Sciences	3,598	42	39	61	558	560	548
AP/Honors Courses	3,758	43	43	57	603	618	591

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	614	7	42	58	593	593	578
4 Years	5,581	64	43	57	568	573	558
3 Years	2,224	26	46	54	550	562	538
2 Years	210	2	49	51	531	534	517
1 Year	25	0	52	48	474	524	461
1/2 Year or Less	12	0	75	25	479	457	503
No Response	1,844						
Course Work or Experience							
U.S. History	8,138	96	43	57	565	571	554
World History or Cultures	6,774	80	44	56	565	571	554
U.S. Government or Civics	7,346	86	43	57	564	571	553
Economics	3,032	36	44	56	567	577	556
Geography	5,712	67	42	58	562	569	553
Psychology	2,980	35	36	64	563	564	551
European History	2,969	35	43	57	581	583	569
Sociology	1,097	13	36	64	551	547	539
Ancient History	1,861	22	44	56	569	570	555
Other Courses	1,644	19	41	59	567	565	554
AP/Honors Courses	4,122	48	41	59	601	603	589

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	459	5	33	67	604	604	593
4 Years	3,133	36	38	62	587	592	581
3 Years	3,453	40	46	54	556	565	543
2 Years	1,367	16	53	47	534	537	515
1 Year	167	2	48	52	495	512	484
1/2 Year or Less	110	1	59	41	468	481	454
No Response	1,821						
Course Work or Experience							
Chinese	83	1	41	59	564	612	555
French	1,774	21	32	68	581	575	571
German	524	6	56	44	582	586	562
Greek	18	0	39	61	618	541	597
Hebrew	37	0	46	54	595	568	588
Italian	26	0	27	73	582	545	581
Japanese	114	1	50	50	588	588	555
Korean	15	0	33	67	485	601	521
Latin	425	5	44	56	604	592	586
Russian	31	0	26	74	568	568	575
Spanish	6,149	72	45	55	559	567	549
Other Languages	85	1	34	66	539	531	512
AP/Honors Courses	2,395	28	37	63	612	615	605

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	534	6	33	67	596	593	585
4 Years	1,866	22	36	64	579	572	568
3 Years	1,161	14	37	63	559	558	547
2 Years	1,773	21	45	55	556	567	548
1 Year	1,795	21	49	51	560	576	548
1/2 Year or Less	1,341	16	55	45	553	566	539
No Response	2,040						
Course Work or Experience							
Acting or Play Production	1,906	24	33	67	589	572	574
Art History or Appreciation	1,110	14	38	62	566	556	555
Dance	1,026	13	8	92	560	546	558
Drama: Study or Appreciation	1,485	18	31	69	577	562	564
Music: Study or Appreciation	1,073	13	41	59	585	577	571
Music Performance	3,502	43	39	61	581	580	570
Photography or Film	2,350	29	37	63	563	562	554
Studio Art and Design	2,317	29	37	63	567	565	557
None	1,160	14	61	39	537	562	526
AP/Honors Courses	711	8	33	67	608	603	598

Computers	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	5,295	66	46	54	566	570	553
Computer Programming	1,310	16	64	36	560	584	543
Word Processing	5,758	72	44	56	564	568	552
Internet Activity	4,290	54	46	54	567	572	555
Using Computer Graphics	2,610	33	52	48	563	572	550
Creating Spreadsheets/Databases	2,814	35	48	52	571	581	559
None	1,084	14	31	69	573	578	566

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
2,164	5,515	1,916	639	654	635

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	138	6
2	923	43
3	927	43
4 or More	176	8

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	1,008	630	92	884	649	83	630	82	643	82
History and Social Studies										
U.S. History	694	614	101	594	648	84	634	87	639	82
World History	99	594	97	86	652	80	637	70	636	74
Mathematics										
Mathematics Level 1	583	614	90	485	612	82	627	74	614	84
Mathematics Level 2	1,298	671	88	1,182	644	87	685	68	642	85
Science										
Biology-E	166	630	95	145	646	81	646	86	649	85
Biology-M	220	650	89	194	649	94	664	86	637	90
Chemistry	562	651	96	510	646	85	689	69	638	85
Physics	314	668	84	293	644	90	704	58	637	88
Foreign and Classical Languages										
Chinese/Listening	23	767		23	638		712		659	
French	123	632	106	118	671	78	664	79	680	71
French/Listening	27	634	105	26	683	95	650	74	666	72
German	11	584		11	590		629		629	
German/Listening	7	563		7	649		630		641	
Modern Hebrew	2			2						
Italian	1			1						
Japanese/Listening	9	632		9	650		638		638	
Korean/Listening	14	756		13	520		677		543	
Latin	14	570		13	685		665		668	
Spanish	294	619	99	274	659	80	655	75	664	73
Spanish/Listening	46	625	105	42	656	92	638	85	659	84

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	105	10	63	9	7	7
700-740	155	15	101	15	8	8
650-690	220	22	116	17	17	17
600-640	191	19	137	20	18	18
550-590	145	14	101	15	18	18
500-540	102	10	66	10	14	14
450-490	65	6	68	10	11	11
400-440	14	1	30	4	4	4
350-390	9	1	10	1	2	2
300-340	1	0	2	0		
250-290	1	0				
200-240						
Total	1,008		694		99	
Mean	630		614		594	
SD	92		101		97	
75th percentile	700		690		660	
50th percentile	640		620		590	
25th percentile	570		540		510	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	27	5	327	25	18	11	30	14	111	20	62	20
700-740	103	18	233	18	27	16	45	20	93	17	67	21
650-690	105	18	218	17	38	23	50	23	105	19	61	19
600-640	132	23	255	20	28	17	40	18	92	16	57	18
550-590	90	15	152	12	23	14	23	10	71	13	43	14
500-540	60	10	81	6	18	11	21	10	47	8	16	5
450-490	40	7	28	2	6	4	7	3	37	7	7	2
400-440	18	3	3	0	5	3			5	1	1	0
350-390	3	1	1	0	3	2	4	2	1	0		
300-340	5	1										
250-290												
200-240												
Total	583		1,298		166		220		562		314	
Mean	614		671		630		650		651		668	
SD	90		88		95		89		96		84	
75th percentile	690		750		700		720		720		730	
50th percentile	620		670		640		670		660		670	
25th percentile	550		610		560		590		580		600	

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	18	78	18	15	5	19	3	27				
700-740	3	13	23	19	3	11					1	50
650-690	1	4	21	17	4	15	1	9	2	29		
600-640	1	4	17	14	7	26					1	50
550-590			13	11	1	4	3	27	3	43		
500-540			16	13	5	19	1	9				
450-490			10	8	1	4	1	9	1	14		
400-440			5	4	1	4			1	14		
350-390							2	18				
300-340												
250-290												
200-240												
Total	23		123		27		11		7		2	
Mean	767		632		634		584		563			
SD			106		105							
75th percentile	800		710		700							
50th percentile	790		640		630							
25th percentile	730		540		530							

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	1	100	3	33	10	71			29	10	9	20
700-740					1	7	2	14	44	15	6	13
650-690			2	22	1	7	1	7	51	17	5	11
600-640			1	11	2	14	1	7	60	20	9	20
550-590			1	11			3	21	43	15	5	11
500-540							3	21	29	10	8	17
450-490			1	11			4	29	22	7	3	7
400-440									14	5		
350-390									1	0		
300-340			1	11					1	0	1	2
250-290												
200-240												
Total	1		9		14		14		294		46	
Mean			632		756		570		619		625	
SD									99		105	
75th percentile									690		700	
50th percentile									620		630	
25th percentile									550		530	

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	34	0	517	519	495
Architecture and Related Services	200	3	535	568	527
Area, Ethnic, Cultural and Gender Studies	8	0	604	558	574
Biological and Biomedical Sciences	553	7	584	591	569
Business Management, Marketing, and Related Support Services	1,027	13	534	557	527
Communication, Journalism and Related Programs	314	4	562	533	563
Computer and Information Sciences and Support Services	152	2	579	598	539
Construction Trades	5	0	468	512	478
Education	366	5	541	541	534
Engineering	910	12	579	629	562
Engineering Technologies/Technicians	48	1	525	566	513
English Language and Literature/Letters	203	3	635	573	615
Family and Consumer Sciences/Human Sciences	18	0	534	527	531
Foreign Languages, Literatures, and Linguistics	112	1	625	594	615
Health Professions and Related Clinical Services	1,068	14	548	560	546
History	99	1	595	556	574
Legal Professions and Studies	205	3	576	569	567
Liberal Arts and Sciences, General Studies, and Humanities	167	2	602	572	583
Library Science/Librarianship	4	0			
Mathematics and Statistics	69	1	589	648	570
Mechanic and Repair Technologies/Technician	11	0	481	518	492
Military Sciences	22	0	578	565	513
Multi/Interdisciplinary Studies	32	0	640	609	609
Natural Resources and Conservation	47	1	572	564	553
Parks, Recreation, Leisure and Fitness Studies	30	0	501	535	484
Personal and Culinary Services	24	0	498	523	490
Philosophy and Religious Studies	30	0	606	566	590
Physical Sciences	149	2	600	627	576
Precision Production					
Psychology	309	4	552	536	544
Public Administration and Social Services Professions	18	0	558	528	533
Security and Protective Services	55	1	521	519	505
Social Sciences	235	3	610	581	592
Theology and Religious Vocations	24	0	577	557	554
Transportation and Materials Moving	8	0	561	535	501
Visual and Performing Arts	715	9	567	545	557
Other	63	1	527	513	517
Undecided	309	4	569	580	559
Degree-Level Goal					
Certificate Program	34	0	517	535	523
Associate Degree	28	0	480	459	475
Bachelor's Degree	2,236	24	530	534	517
Master's Degree	3,103	33	566	573	553
Doctoral or Related Degree	2,056	22	588	597	579
Other	27	0	501	493	507
Undecided	1,852	20	571	574	560

College Plans

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

Of the 10,758 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 7,765 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 1,398 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	3,683	47.4
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	2,661	34.3
UNIVERSITY OF DENVER	CO	Private	1,405	18.1
UNIVERSITY OF NORTHERN COLORADO	CO	Public	869	11.2
COLORADO SCHOOL OF MINES	CO	Public	809	10.4
COLORADO COLLEGE	CO	Private	623	8.0
STANFORD UNIVERSITY	CA	Private	590	7.6
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	561	7.2
NCAA ELIGIBILITY CENTER	IA	Public	437	5.6
NEW YORK UNIVERSITY	NY	Private	394	5.1
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	373	4.8
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	349	4.5
CORNELL UNIVERSITY	NY	Private	340	4.4
UNIVERSITY COLORADO DENVER	CO	Public	339	4.4
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	327	4.2
METROPOLITAN STATE COLLEGE DENVER	CO	Public	326	4.2
UNIVERSITY OF WASHINGTON SEATTLE	WA	Public	315	4.1
ARIZONA STATE UNIVERSITY TEMPE	AZ	Public	313	4.0
BOSTON UNIVERSITY	MA	Private	312	4.0
NORTHWESTERN UNIVERSITY	IL	Private	304	3.9
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	302	3.9
YALE UNIVERSITY	CT	Private	288	3.7
UNIVERSITY OF OREGON	OR	Public	281	3.6
REGIS UNIVERSITY	CO	Private	275	3.5
FORT LEWIS COLLEGE	CO	Public	274	3.5
UNIVERSITY OF SAN DIEGO	CA	Private	268	3.5
PRINCETON UNIVERSITY	NJ	Private	261	3.4
BOSTON COLLEGE	MA	Private	257	3.3
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	254	3.3
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	250	3.2
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	249	3.2
UNIVERSITY WYOMING	WY	Public	242	3.1
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	236	3.0
BROWN UNIVERSITY	RI	Private	234	3.0
DARTMOUTH COLLEGE	NH	Private	226	2.9
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	225	2.9
WASHINGTON UNIVERSITY	MO	Private	223	2.9
UNIVERSITY OF ARIZONA	AZ	Public	223	2.9
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	219	2.8
UNITED STATES AIR FORCE ACADEMY	CO	Public	218	2.8
MONTANA STATE UNIVERSITY	MT	Public	217	2.8
SANTA CLARA UNIVERSITY	CA	Private	213	2.7
DUKE UNIVERSITY	NC	Private	209	2.7
GEORGETOWN UNIVERSITY	DC	Private	204	2.6
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	202	2.6

*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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