

SAT[®]

2016 College-Bound Seniors

Total Group Profile Report



TOTAL GROUP

Included in This Report

SAT[®] Data

SAT Subject Tests[™] Data

Demographic and Academic Information

College Plans

DATA EMBARGO IN EFFECT. This report contains information on college-bound students in the class of 2016 who took the pre-March 2016 SAT or SAT Subject Tests at any time during high school. ***Data and other information in this report are embargoed from dissemination to the media and general public until after the College Board makes state and total group-level data and information publically available. The embargo will be lifted no later than September 30, 2016.*** Prior to that time, you may use the data and other information in this report for internal purposes. The College Board will post updated information in the coming weeks about the embargo at <https://collegeboard.org/press>; if you have questions, please contact the College Board communications department at communications@collegeboard.org.

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The SAT® Program

The SAT® 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 2016* includes students who tested through January 2016. The College Board administered the first redesigned SAT in March 2016. While a majority of the Class of 2016 took only the pre-March 2016 SAT, a small percentage took the new SAT. The report includes senior test-takers in this class who took the SAT prior to March 2016. To help schools with the transition to the new SAT, we have included an addendum on results from the March - June 2016 administrations.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2016 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

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

Keep in mind, however, that:

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

considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

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

Mean

The *mean* is the arithmetic average.

Percentile

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

Scaled score

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

Standard deviation (SD)

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

About the College Board

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

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2016

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488
2014	499	495	497	530	499	513	481	492	487
2015	497	493	495	527	496	511	478	490	484
2016	495	493	494	524	494	508	475	487	482

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 2000–2016, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to 2015 include students testing through June. Cohort data presented for 2016 includes test-takers through January 2016. For further information see www.collegeboard.org/cbs.

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SAT[®] Data

Data in this report are for high school graduates in the year 2016. Information is summarized for seniors who took the SAT at any time during their high school years through January 2016. If a student took the pre-March 2016 SAT more than once, the most recent score is used. A small percentage of seniors take their first SAT between March and June of their senior years.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	1,637,589	494	117	508	121	482	115	48.4	11.7	6.9	1.7

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	762,247	495	120	524	126	475	118	48.1	11.8	6.7	1.8
Female	875,342	493	114	494	116	487	113	48.7	11.5	7.1	1.6

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the pre-March 2016 SAT.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2015-2016)	1,008,473	486	109	500	115	473	108	47.5	10.9	6.9	1.7
Junior (2014-2015)	621,595	506	127	520	130	495	125	49.8	12.6	6.9	1.7
Sophomore (2013-2014)	6,525	540	134	572	129	529	132	53.7	13.2	7.0	1.8
Freshman (2012-2013)	996	514	106	546	117	497	103	50.8	10.6	6.7	1.6
Total	1,637,589	494	117	508	121	482	115	48.4	11.7	6.9	1.7

SAT Data

Table 4: Percentiles for Total Group

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

SAT Percentile	Total Group		
	Critical Reading	Mathematics	Writing
75th	570	590	560
50th	490	500	480
25th	410	420	400

Table 5: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	39,271	38,933	78,204	71,999	45,068	117,067	29,673	36,518	66,191
600–690	118,321	125,639	243,960	151,842	126,127	277,969	92,936	117,063	209,999
500–590	217,469	250,474	467,943	217,197	244,596	461,793	192,166	240,236	432,402
400–490	234,944	290,525	525,469	202,545	285,825	488,370	252,780	296,090	548,870
300–390	115,044	136,142	251,186	92,416	142,049	234,465	154,415	155,276	309,691
200–290	37,198	33,629	70,827	26,248	31,677	57,925	40,277	30,159	70,436

Table 6: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	1,305,158	85	45	55	487	494	472
Religiously Affiliated	131,260	9	51	49	532	537	525
Independent	103,861	7	52	48	530	579	536
Other or Unknown	97,310		51	49	491	580	498

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 7: Total Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	7,778	0	468	112	471	111	447	106
Asian or Asian American	196,735	12	529	126	602	126	534	131
Black or African American	199,306	12	430	102	425	101	415	97
Native Hawaiian or Pacific Islander	2,371	0	432	109	438	111	423	99
Hispanic, Latino, or Latin American	355,829	22	448	104	453	104	436	99
White	742,436	45	528	104	533	104	511	103
Two or More Races, non-Hispanic	28,460	2	511	106	505	110	488	106
Other	20,604	1	496	132	519	130	491	129
No Response	84,070	5	451	137	501	135	452	134
Total	1,637,589	100	494	117	508	121	482	115

Table 8: Male Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	3,652	0	470	116	485	120	440	110
Asian or Asian American	97,521	6	527	128	614	125	527	132
Black or African American	89,258	5	425	104	430	106	404	97
Native Hawaiian or Pacific Islander	1,007	0	431	112	450	118	414	101
Hispanic, Latino, or Latin American	157,031	10	451	108	468	110	431	102
White	348,895	21	530	106	550	108	504	105
Two or More Races, non-Hispanic	11,830	1	513	109	522	114	480	108
Other	9,653	1	493	135	532	134	482	131
No Response	43,400	3	445	139	510	139	439	135
Total	762,247	47	495	120	524	126	475	118

Table 9: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	4,126	0	467	108	460	101	453	102
Asian or Asian American	99,214	6	530	125	590	126	541	129
Black or African American	110,048	7	434	100	422	97	424	95
Native Hawaiian or Pacific Islander	1,364	0	434	107	430	105	430	98
Hispanic, Latino, or Latin American	198,798	12	446	102	441	98	440	97
White	393,541	24	526	101	518	99	517	101
Two or More Races, non-Hispanic	16,630	1	510	104	494	105	493	104
Other	10,951	1	498	130	508	125	499	127
No Response	40,670	2	458	134	491	131	465	131
Total	875,342	53	493	114	494	116	487	113

Demographic Information

SAT: Student Background Information and Characteristics

Table 10: Student Background Information and Characteristics

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

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	1,637,589	100	494	117	508	121	482	115
First Language Learned								
English	1,078,298	68	508	110	508	113	490	109
English and Another	308,356	19	476	121	499	130	471	121
Another Language	208,519	13	465	124	525	141	468	128
No Response	42,416		415	139	482	150	422	140
Citizenship								
U.S. Citizen / U.S. National	1,399,088	89	500	113	503	116	485	111
U.S. Permanent Resident or Refugee	49,304	3	450	127	485	137	447	129
Citizen of Another Country	116,636	7	490	124	583	128	500	127
Other, Unknown, or No Response	72,561		409	131	492	157	421	138
Plans to Apply for Financial Aid								
Yes	1,010,719	77	501	108	507	113	486	107
No	83,551	6	535	115	558	119	528	117
Don't Know	224,165	17	511	119	532	124	501	120
No Response	319,154		449	129	481	138	443	128
Family Income								
Less than \$20,000	124,290	13	435	104	453	115	426	101
About \$20,000 to \$40,000	158,909	16	465	102	477	109	452	99
About \$40,001 to \$60,000	132,182	14	488	101	495	107	471	99
About \$60,001 to \$80,000	115,998	12	503	101	509	105	485	99
About \$80,001 to \$100,000	119,593	12	517	100	527	106	501	100
About \$100,001 to \$140,000	146,434	15	530	101	539	105	513	101
About \$140,001 to \$200,000	93,275	10	542	102	553	106	528	103
More than \$200,000	87,482	9	569	105	586	107	562	108
No Response	659,426		482	126	501	131	473	125
Highest Level of Parental Education								
No High School Diploma	107,041	7	418	96	438	105	411	92
High School Diploma	417,752	28	460	100	468	106	445	97
Associate Degree	119,787	8	478	94	482	98	460	91
Bachelor's Degree	453,166	31	521	104	535	110	508	105
Graduate Degree	370,272	25	558	111	572	116	547	113
No Response	169,571		423	126	456	136	419	124
Took the PSAT/NMSQT®								
Yes, As a Junior	288,836	25	509	113	520	116	497	112
Yes, As a Sophomore or Younger	285,563	24	503	107	511	112	488	106
Yes, As a Junior and As a Sophomore or Younger	418,748	36	540	109	549	111	530	109
No	184,441	16	475	116	504	130	466	116
No Response	460,001		445	111	463	120	431	107

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

Academic Information

Academic Record

Table 11: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	239,293	35	44	56	575	603	566
Second Tenth	185,689	27	46	54	510	528	496
Second Fifth	129,956	19	49	51	482	491	465
Final Three Fifths	138,415	20	50	50	438	442	422
No Response	944,236		46	54	480	492	469

Table 12: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	107,325	7	40	60	591	614	585
A (93–96)	307,989	20	39	61	558	577	549
A- (90–92)	295,615	20	43	57	523	539	511
B (80–89)	659,055	44	49	51	462	469	447
C (70–79)	134,508	9	59	41	406	408	389
D, E, or F (below 70)	5,640	0	63	37	375	390	363
No Response	127,457		52	48	452	490	446
Mean Grade Point Average	All Students: 3.38		Male: 3.30		Female: 3.45		

Table 13: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.0	2.4	2.2	3.75	3.87	3.82
English and Language Arts	3.8	3.8	3.8	3.34	3.55	3.46
Foreign and Classical Languages	2.8	3.0	2.9	3.34	3.56	3.46
Mathematics	3.8	3.8	3.8	3.21	3.24	3.23
Natural Sciences	3.6	3.6	3.6	3.33	3.37	3.36
Social Sciences and History	3.5	3.6	3.6	3.45	3.50	3.48
Total for All Subjects	19.5	20.2	19.9			

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

Academic Information

Course-Taking Patterns

Table 14: English, Mathematics

English and Language Arts	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	176,441	15	44	56	527	551	520	
4 Years	819,594	68	45	55	520	525	505	
3 Years	116,557	10	45	55	466	474	452	
2 Years	29,199	2	47	53	476	499	465	
1 Year	17,779	1	44	56	457	474	446	
1/2 Year or Less	43,358	4	50	50	415	439	405	
No Response	434,661		52	48	449	476	441	
AP [®] /Honors Courses	574,108	48	39	61	553	554	538	
Course Work or Experience								
English/Language Arts	1,205,705	97	45	55	504	512	490	
Journalism	109,158	9	35	65	505	504	495	
Creative Writing	217,454	17	40	60	510	516	500	
American Literature	572,499	46	44	56	519	524	505	
Composition/Writing	499,460	40	43	57	516	524	504	
British Literature	229,601	18	44	56	524	529	510	
World Literature	272,399	22	46	54	522	529	509	
Communications	120,115	10	46	54	499	521	488	
Public Speaking	212,481	17	44	56	516	528	503	
English As Second Language	75,085	6	46	54	450	519	454	
Mathematics								
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	294,767	23	47	53	542	572	530	
4 Years	709,613	56	45	55	514	518	500	
3 Years	161,054	13	43	57	464	460	448	
2 Years	29,398	2	49	51	462	483	452	
1 Year	18,264	1	49	51	450	478	440	
1/2 Year or Less	62,689	5	46	54	415	426	404	
No Response	361,804		51	49	446	476	440	
AP/Honors Courses	549,327	43	45	55	555	577	541	
Highest Level of Mathematics Achieved*								
Calculus	447,211	34	50	50	565	600	555	
Pre-calculus	397,496	30	42	58	497	500	481	
Geometry	424,170	32	43	57	451	438	434	
Algebra II	19,118	1	47	53	438	433	422	
Algebra I	7,728	1	48	52	397	399	388	

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

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

Academic Information

Course-Taking Patterns

Table 15: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	182,308	15	45	55	542	571	533	
4 Years	602,054	51	45	55	526	533	511	
3 Years	276,077	23	43	57	482	483	467	
2 Years	54,587	5	47	53	472	484	459	
1 Year	21,498	2	48	52	467	488	456	
1/2 Year or Less	47,675	4	46	54	421	439	412	
No Response	453,390		51	49	450	476	442	
AP/Honors Courses	482,902	41	44	56	560	573	545	
Course Work or Experience								
Biology	1,218,564	96	45	55	505	513	491	
Chemistry	1,161,450	91	45	55	510	520	496	
Physics	771,484	61	49	51	523	542	510	
Geology, Earth, or Space Science	554,307	43	45	55	493	497	478	
Other Sciences	510,498	40	39	61	500	502	485	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	139,663	12	45	55	537	556	527	
4 Years	599,759	51	45	55	526	530	510	
3 Years	300,183	26	43	57	494	504	481	
2 Years	64,282	6	47	53	477	498	467	
1 Year	22,320	2	46	54	460	483	450	
1/2 Year or Less	42,554	4	47	53	418	445	410	
No Response	468,828		52	48	451	477	443	
AP/Honors Courses	506,834	43	43	57	557	562	542	
Course Work or Experience								
U.S. History	1,176,115	93	45	55	505	511	490	
World History or Cultures	1,044,303	83	45	55	507	515	493	
U.S. Government or Civics	843,243	67	44	56	509	513	492	
Economics	643,843	51	44	56	509	519	495	
Geography	376,288	30	45	55	502	514	487	
Psychology	397,910	32	35	65	526	526	511	
European History	204,620	16	48	52	551	559	538	
Sociology	151,147	12	36	64	502	505	487	
Ancient History	107,767	9	50	50	525	541	515	
Other Courses	178,574	14	43	57	518	525	504	

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

Academic Information

Course-Taking Patterns

Table 16: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	126,888	11	41	59	550	576	545
4 Years	253,013	22	42	58	554	562	545
3 Years	349,756	30	44	56	519	527	504
2 Years	323,155	28	46	54	481	483	461
1 Year	51,590	4	47	53	452	460	434
1/2 Year or Less	66,924	6	50	50	428	452	417
No Response	466,263		52	48	450	477	442
AP/Honors Courses	279,596	24	39	61	564	573	555
Course Work or Experience							
Chinese	42,162	3	49	51	543	597	538
French	210,954	17	38	62	522	525	508
German	45,030	4	55	45	532	539	508
Greek	4,094	0	47	53	528	536	523
Hebrew	4,244	0	42	58	524	530	519
Italian	30,358	2	44	56	500	507	491
Japanese	18,875	2	46	54	524	548	505
Korean	4,312	0	39	61	482	544	491
Latin	66,944	5	48	52	561	559	542
Russian	6,292	1	49	51	489	533	487
Spanish	884,243	71	45	55	499	504	485
Other Languages	59,221	5	42	58	485	516	477

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

Academic Information

Course-Taking Patterns

Table 17: Arts and Music

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	76,987	11	36	64	530	541	518
4 Years	119,390	16	36	64	530	527	514
3 Years	81,705	11	37	63	503	504	488
2 Years	138,638	19	42	58	497	503	483
1 Year	191,262	26	47	53	496	507	482
1/2 Year or Less	115,976	16	51	49	474	490	459
No Response	913,631		50	50	487	507	477
AP/Honors Courses	80,910	11	35	65	545	544	530
Course Work or Experience							
Acting or Play Production	203,747	17	34	66	538	529	522
Art History or Appreciation	191,378	16	40	60	510	512	497
Dance	166,623	14	13	87	495	499	490
Drama: Study or Appreciation	188,673	16	33	67	516	511	502
Music: Study or Appreciation	162,753	13	46	54	533	533	519
Music Performance	469,859	39	42	58	529	535	514
Photography or Film	260,056	21	37	63	511	514	500
Studio Art and Design	288,284	24	36	64	521	525	508
None	244,774	20	57	43	465	481	450

SAT Subject Tests™ Data

Table 18: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
237,576	593,544	201,568	610	654	616

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	29,369	12
2	97,251	41
3	84,488	36
4 or More	26,468	11

Table 19: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

Most, but not all, students who take SAT Subject Tests also take the SAT. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT scores for those students who also took the pre-March 2016 SAT.

	SAT Subject Test			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	57,761	599	122	47,649	628	117	614	114	622	117
History and Social Studies										
U.S. History	66,967	624	115	57,023	636	103	642	106	633	106
World History	15,542	615	109	13,763	649	97	655	97	645	99
Mathematics										
Mathematics Level 1	66,058	599	116	54,830	568	127	616	109	577	119
Mathematics Level 2	145,140	690	101	124,461	629	107	693	87	638	103
Science										
Biology-E	31,965	616	114	27,451	612	118	640	107	616	113
Biology-M	40,231	647	110	34,881	617	123	658	101	627	113
Chemistry	71,173	668	104	59,485	632	108	696	88	640	105
Physics	56,751	667	104	47,170	613	119	704	87	624	109
Foreign and Classical Languages										
Chinese/Listening	4,925	761	66	4,144	599	129	693	88	619	124
French	6,800	634	121	6,009	643	95	651	92	650	93
French/Listening	1,533	664	113	1,390	638	95	642	92	641	93
German	621	636	124	531	645	91	661	88	651	87
German/Listening	479	629	121	432	645	92	650	94	646	89
Modern Hebrew	344	614	145	262	629	99	648	86	644	93
Italian	488	677	114	433	617	91	619	87	627	91
Japanese/Listening	1,317	704	116	1,159	590	110	670	90	606	104
Korean/Listening	1,891	764	64	1,600	583	111	685	89	622	108
Latin	2,483	632	109	2,245	685	84	683	82	682	85
Spanish	18,161	653	109	16,049	588	123	596	122	595	125
Spanish/Listening	2,914	660	108	2,656	583	117	590	116	589	119

SAT Subject Tests Score Distributions

Table 20: 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	5,551	10	9,671	14	2,052	13
700-740	9,059	16	12,185	18	2,052	13
650-690	9,978	17	11,469	17	2,457	16
600-640	8,695	15	10,463	16	2,266	15
550-590	6,770	12	7,366	11	2,485	16
500-540	4,576	8	5,442	8	1,876	12
450-490	4,439	8	3,834	6	1,338	9
400-440	4,421	8	3,053	5	654	4
350-390	3,144	5	2,686	4	300	2
300-340	1,016	2	747	1	56	0
250-290	111	0	51	0	6	0
200-240	1	0				
Total	57,761		66,967		15,542	
Mean	599		624		615	
SD	122		115		109	
75th percentile	700		710		700	
50th percentile	620		640		620	
25th percentile	510		550		540	

Table 21: 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	5,049	8	57,288	39	3,887	12	7,885	20	20,361	29	15,791	28
700-740	11,283	17	20,859	14	4,882	15	7,667	19	12,971	18	9,954	18
650-690	10,850	16	20,864	14	5,419	17	7,234	18	11,585	16	9,361	16
600-640	10,058	15	19,284	13	5,624	18	6,571	16	9,297	13	8,011	14
550-590	8,325	13	13,602	9	4,547	14	4,329	11	6,884	10	5,635	10
500-540	6,594	10	6,580	5	2,950	9	2,687	7	4,557	6	3,619	6
450-490	5,363	8	3,743	3	1,695	5	1,448	4	3,042	4	2,525	4
400-440	4,430	7	2,028	1	1,187	4	986	2	1,951	3	1,586	3
350-390	3,226	5	616	0	974	3	721	2	512	1	266	0
300-340	778	1	276	0	690	2	615	2	13	0	3	0
250-290	102	0			106	0	87	0				
200-240					4	0	1	0				
Total	66,058		145,140		31,965		40,231		71,173		56,751	
Mean	599		690		616		647		668		667	
SD	116		101		114		110		104		104	
75th percentile	690		780		700		730		750		750	
50th percentile	620		710		630		660		690		680	
25th percentile	520		620		550		590		600		600	

SAT Subject Tests Score Distributions

Table 22: 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	3,848	78	1,655	24	486	32	160	26	96	20	104	30
700-740	502	10	804	12	203	13	98	16	83	17	25	7
650-690	243	5	858	13	226	15	79	13	67	14	23	7
600-640	133	3	809	12	181	12	64	10	52	11	32	9
550-590	78	2	852	13	170	11	48	8	59	12	31	9
500-540	59	1	780	11	131	9	56	9	52	11	35	10
450-490	42	1	578	9	76	5	59	10	25	5	44	13
400-440	17	0	315	5	46	3	43	7	29	6	25	7
350-390	3	0	130	2	14	1	11	2	8	2	17	5
300-340			19	0			3	0	4	1	8	2
250-290									4	1		
200-240												
Total	4,925		6,800		1,533		621		479		344	
Mean	761		634		664		636		629		614	
SD	66		121		113		124		121		145	
75th percentile	800		740		770		750		730		770	
50th percentile	790		640		680		660		650		620	
25th percentile	750		540		580		540		540		480	

Table 23: Foreign and Classical Languages (continued)

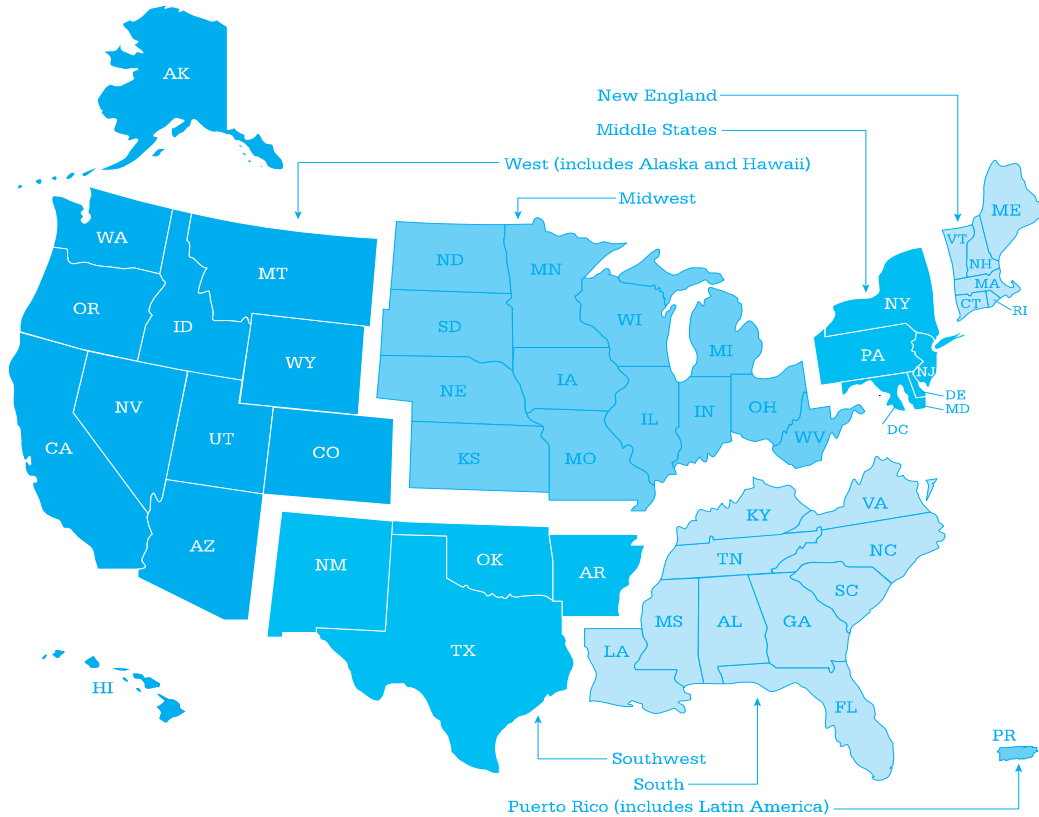
SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	179	37	688	52	1,523	81	472	19	4,339	24	795	27
700-740	74	15	214	16	170	9	374	15	3,106	17	504	17
650-690	68	14	111	8	87	5	350	14	3,032	17	461	16
600-640	64	13	80	6	40	2	342	14	2,637	15	403	14
550-590	42	9	68	5	28	1	323	13	1,865	10	287	10
500-540	23	5	53	4	22	1	304	12	1,375	8	185	6
450-490	15	3	43	3	10	1	210	8	909	5	145	5
400-440	8	2	21	2	8	0	91	4	550	3	81	3
350-390	9	2	18	1	3	0	17	1	263	1	39	1
300-340	3	1	16	1					77	0	13	0
250-290	2	0	1	0					8	0	1	0
200-240	1	0	4	0								
Total	488		1,317		1,891		2,483		18,161		2,914	
Mean	677		704		764		632		653		660	
SD	114		116		64		109		109		108	
75th percentile	780		790		800		720		740		750	
50th percentile	700		750		790		640		670		680	
25th percentile	610		660		760		540		580		590	

College Plans

Table 24: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	13,638	1	469	472	453
Architecture and Related Services	17,672	1	483	521	474
Area, Ethnic, Cultural and Gender Studies	1,509	0	537	502	519
Biological and Biomedical Sciences	96,113	7	536	545	524
Business Management, Marketing, and Related Support Services	158,798	12	496	519	487
Communication, Journalism and Related Programs	30,427	2	516	496	507
Computer and Information Sciences and Support Services	48,888	4	535	563	508
Construction Trades	739	0	431	453	408
Education	51,285	4	482	480	472
Engineering	140,933	11	528	574	510
Engineering Technologies/Technicians	19,028	1	480	525	463
English Language and Literature/Letters	14,912	1	576	521	557
Family and Consumer Sciences/Human Sciences	3,450	0	451	453	445
Foreign Languages, Literatures, and Linguistics	7,016	1	554	528	538
Health Professions and Related Clinical Services	239,823	19	485	492	477
History	10,176	1	540	505	508
Legal Professions and Studies	28,148	2	520	509	504
Liberal Arts and Sciences, General Studies, and Humanities	8,932	1	549	530	537
Library Science And Administration	212	0	572	508	519
Mathematics and Statistics	11,952	1	549	621	544
Mechanic and Repair Technologies/Technician	2,621	0	421	444	401
Military Technologies And Applied Sciences	5,913	0	475	480	447
Multi/Interdisciplinary Studies	10,085	1	578	583	566
Natural Resources and Conservation	7,074	1	526	519	502
Parks, Recreation, Leisure and Fitness Studies	9,703	1	438	457	427
Personal and Culinary Services	3,950	0	447	443	426
Philosophy and Religious Studies	2,611	0	543	525	519
Physical Sciences	20,263	2	561	584	540
Precision Production	82	0	451	462	418
Psychology	60,550	5	502	486	488
Public Administration and Social Services Professions	5,020	0	473	458	462
Security and Protective Services	42,985	3	447	449	432
Social Sciences	24,853	2	561	545	544
Theology and Religious Vocations	1,738	0	530	511	508
Transportation and Materials Moving	606	0	468	492	448
Visual and Performing Arts	87,418	7	506	492	490
Other	19,374	1	452	456	438
Undecided	84,692	7	532	541	519
Degree-Level Goal					
Certificate Program	9,083	1	427	446	416
Associate Degree	14,371	1	405	407	390
Bachelor's Degree	356,168	27	479	487	463
Master's Degree	445,988	34	511	524	499
Doctoral or Related Degree	315,119	24	535	545	523
Other	7,569	1	400	431	397
Undecided	179,851	14	505	516	492

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