

# SAT<sup>®</sup>

2016 College-Bound Seniors

# State Profile Report



NEW YORK

## Included in This Report

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**SAT<sup>®</sup> Data**

**SAT Subject Tests<sup>™</sup> Data**

**Demographic and Academic Information**

**College Plans**

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**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](mailto: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](http://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](http://www.collegeboard.org).

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2016

<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
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](http://www.collegeboard.org/cbs).

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### SAT<sup>®</sup> 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	148,727	489	113	501	120	477	115	47.3	11.5	7.2	1.6

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	69,292	490	115	515	124	470	116	46.9	11.6	6.9	1.7
Female	79,435	488	112	489	115	483	114	47.6	11.5	7.3	1.5

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)	93,445	480	106	493	114	468	107	46.4	10.8	7.1	1.6
Junior (2014-2015)	55,070	504	123	515	128	491	126	48.8	12.6	7.2	1.7
Sophomore (2013-2014)	192	581	127	602	130	571	135	56.7	13.4	7.9	1.7
Freshman (2012-2013)	20	481		530		488		48.6		6.9	
Total	148,727	489	113	501	120	477	115	47.3	11.5	7.2	1.6

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

## SAT 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 Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	560	580	550	570	590	560
50th	480	500	470	490	500	480
25th	410	420	400	410	420	400

Table 6: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	3,044	3,100	6,144	5,358	3,278	8,636	2,534	3,348	5,882
600-690	9,725	10,575	20,300	13,347	11,437	24,784	7,688	9,952	17,640
500-590	19,834	22,713	42,547	20,057	22,594	42,651	16,523	20,868	37,391
400-490	22,470	26,938	49,408	18,239	24,831	43,070	23,768	27,314	51,082
300-390	11,158	13,026	24,184	9,636	13,992	23,628	15,255	14,960	30,215
200-290	3,061	3,083	6,144	2,655	3,303	5,958	3,524	2,993	6,517

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	127,577	86	46	54	482	496	469
Religiously Affiliated	15,851	11	51	49	518	520	510
Independent	4,080	3	46	54	572	586	572
Other or Unknown	1,219		40	60	525	516	511

## Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 8: 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	602	0	448	101	461	105	432	98
Asian or Asian American	15,912	11	507	129	579	126	510	133
Black or African American	21,012	14	428	99	421	101	416	95
Native Hawaiian or Pacific Islander	70	0	455	86	452	85	453	83
Hispanic, Latino, or Latin American	30,222	20	443	102	445	104	431	100
White	69,295	47	526	100	537	102	511	104
Two or More Races, non-Hispanic	1,641	1	509	106	501	116	486	112
Other	1,848	1	489	130	499	133	479	132
No Response	8,125	5	461	126	468	129	449	126
Total	148,727	100	489	113	501	120	477	115

Table 9: 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	292	0	458	105	479	116	427	102
Asian or Asian American	7,805	5	504	129	591	126	501	132
Black or African American	9,346	6	424	100	426	105	406	94
Native Hawaiian or Pacific Islander	31	0	450	76	445	70	449	70
Hispanic, Latino, or Latin American	13,382	9	445	104	457	109	425	101
White	32,956	22	527	102	551	106	503	106
Two or More Races, non-Hispanic	659	0	508	112	513	123	477	118
Other	878	1	484	130	505	137	470	130
No Response	3,943	3	457	127	475	134	437	125
Total	69,292	47	490	115	515	124	470	116

Table 10: 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	310	0	439	97	444	92	436	95
Asian or Asian American	8,107	5	509	129	568	126	520	133
Black or African American	11,666	8	431	98	418	97	424	95
Native Hawaiian or Pacific Islander	39	0	458	94	458	96	455	92
Hispanic, Latino, or Latin American	16,840	11	442	101	435	99	436	100
White	36,339	24	525	98	524	97	518	102
Two or More Races, non-Hispanic	982	1	509	102	493	110	493	107
Other	970	1	493	129	493	129	488	133
No Response	4,182	3	465	125	462	123	460	125
Total	79,435	53	488	112	489	115	483	114

## Demographic Information

### SAT: Student Background Information and Characteristics

**Table 11: 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	148,727	100	489	113	501	120	477	115
<b>First Language Learned</b>								
English	100,769	69	503	107	507	113	487	109
English and Another	29,786	20	469	116	488	128	464	118
Another Language	15,236	10	445	125	499	141	447	129
No Response	2,936		432	135	441	138	417	135
<b>Citizenship</b>								
U.S. Citizen / U.S. National	134,693	93	496	110	505	117	483	112
U.S. Permanent Resident or Refugee	7,272	5	419	120	470	137	421	123
Citizen of Another Country	2,719	2	447	119	534	140	456	126
Other, Unknown, or No Response	4,043		393	122	423	134	387	124
<b>Plans to Apply for Financial Aid</b>								
Yes	96,535	81	495	105	506	111	482	106
No	5,235	4	549	121	569	123	547	128
Don't Know	17,258	14	512	118	530	123	503	122
No Response	29,699		445	123	457	130	433	123
<b>Family Income</b>								
Less than \$20,000	13,029	15	433	104	452	115	424	101
About \$20,000 to \$40,000	14,426	17	467	101	484	113	456	101
About \$40,001 to \$60,000	10,951	13	487	97	494	105	471	99
About \$60,001 to \$80,000	9,414	11	502	96	511	100	486	97
About \$80,001 to \$100,000	10,282	12	513	95	524	99	497	98
About \$100,001 to \$140,000	12,391	15	523	96	535	100	507	98
About \$140,001 to \$200,000	8,040	9	535	98	548	101	522	102
More than \$200,000	6,616	8	574	104	590	105	572	111
No Response	63,578		478	122	489	129	468	123
<b>Highest Level of Parental Education</b>								
No High School Diploma	10,693	8	423	101	453	119	417	100
High School Diploma	38,512	30	463	99	474	109	450	99
Associate Degree	13,635	11	481	92	489	97	464	91
Bachelor's Degree	35,584	28	517	101	529	108	505	105
Graduate Degree	30,668	24	553	109	562	113	542	114
No Response	19,635		428	121	444	130	419	120
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	41,909	35	506	107	519	111	493	109
Yes, As a Sophomore or Younger	17,953	15	493	112	508	119	482	112
Yes, As a Junior and As a Sophomore or Younger	45,088	38	515	110	533	117	510	113
No	14,575	12	475	106	483	111	455	105
No Response	29,202		427	108	431	112	409	102

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 12: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	15,239	36	44	56	571	594	564
Second Tenth	12,211	29	48	52	506	526	493
Second Fifth	7,304	17	51	49	482	495	464
Final Three Fifths	7,817	18	52	48	437	444	420
No Response	106,156		46	54	479	490	468

Table 13: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	10,127	7	38	62	614	639	614
A (93–96)	27,369	19	38	62	560	583	555
A- (90–92)	25,422	18	43	57	520	539	509
B (80–89)	60,421	43	50	50	456	464	441
C (70–79)	16,123	11	57	43	395	391	378
D, E, or F (below 70)	1,173	1	56	44	365	363	352
No Response	8,092		52	48	442	446	426
<b>Mean Grade Point Average</b>	<b>All Students: 3.32</b>		<b>Male: 3.23</b>		<b>Female: 3.40</b>		

Table 14: 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	2.2	2.6	2.4	3.66	3.81	3.75
English and Language Arts	3.7	3.8	3.8	3.33	3.56	3.45
Foreign and Classical Languages	3.2	3.4	3.3	3.29	3.56	3.44
Mathematics	3.7	3.7	3.7	3.14	3.21	3.18
Natural Sciences	3.7	3.7	3.7	3.27	3.29	3.28
Social Sciences and History	3.7	3.7	3.7	3.43	3.46	3.44
<b>Total for All Subjects</b>	<b>20.2</b>	<b>20.9</b>	<b>20.6</b>			

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: English, Mathematics

<b>English and Language Arts</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	18,374	17	42	58	526	542	519	
4 Years	65,398	62	46	54	520	530	506	
3 Years	11,926	11	45	55	459	470	448	
2 Years	2,395	2	46	54	465	496	459	
1 Year	2,045	2	42	58	470	488	460	
1/2 Year or Less	5,393	5	49	51	422	442	410	
No Response	43,196		50	50	445	457	433	
AP <sup>®</sup> /Honors Courses	39,538	37	37	63	561	569	553	
<b>Course Work or Experience</b>								
English/Language Arts	108,198	97	45	55	500	510	487	
Journalism	8,492	8	41	59	488	494	481	
Creative Writing	23,492	21	39	61	502	505	493	
American Literature	36,748	33	44	56	528	538	520	
Composition/Writing	37,749	34	43	57	516	525	508	
British Literature	11,687	11	42	58	541	548	535	
World Literature	14,912	13	48	52	534	544	526	
Communications	5,496	5	45	55	478	498	474	
Public Speaking	14,520	13	44	56	512	523	502	
English As Second Language	6,674	6	44	56	424	487	428	

<b>Mathematics</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	27,496	24	46	54	543	571	534	
4 Years	56,115	50	46	54	513	523	501	
3 Years	17,170	15	44	56	460	458	444	
2 Years	2,685	2	50	50	449	468	438	
1 Year	1,894	2	49	51	453	489	446	
1/2 Year or Less	7,638	7	46	54	421	429	409	
No Response	35,729		49	51	442	453	430	
AP/Honors Courses	37,328	33	46	54	564	599	557	
<b>Highest Level of Mathematics Achieved*</b>								
Calculus	35,519	30	48	52	566	605	560	
Pre-calculus	31,496	27	44	56	511	525	498	
Geometry	46,374	39	45	55	449	442	432	
Algebra II	1,684	1	46	54	415	401	399	
Algebra I	1,363	1	49	51	402	373	381	

\*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 16: Natural Sciences, Social Sciences and History

<b>Natural Sciences</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	21,194	20	44	56	545	569	536
4 Years	50,543	49	46	54	521	533	509
3 Years	21,230	20	43	57	469	472	455
2 Years	3,316	3	48	52	456	473	445
1 Year	1,949	2	46	54	471	497	463
1/2 Year or Less	5,572	5	46	54	424	440	413
No Response	44,923		50	50	446	457	434
AP/Honors Courses	32,996	32	44	56	573	597	564
<b>Course Work or Experience</b>							
Biology	91,501	80	45	55	510	522	498
Chemistry	98,526	86	45	55	513	528	501
Physics	62,274	54	49	51	536	561	526
Geology, Earth, or Space Science	75,575	66	45	55	477	483	462
Other Sciences	38,840	34	41	59	498	505	486

  

<b>Social Sciences and History</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	15,645	15	44	56	533	548	524
4 Years	63,057	61	45	55	521	532	508
3 Years	14,322	14	45	55	466	478	455
2 Years	2,923	3	47	53	468	496	461
1 Year	2,161	2	46	54	465	486	455
1/2 Year or Less	4,831	5	46	54	421	439	409
No Response	45,788		50	50	446	458	434
AP/Honors Courses	37,997	37	44	56	567	580	557
<b>Course Work or Experience</b>							
U.S. History	110,201	97	45	55	499	512	487
World History or Cultures	89,220	79	46	54	514	527	501
U.S. Government or Civics	66,492	59	44	56	504	515	490
Economics	58,543	52	43	57	505	520	492
Geography	21,971	19	42	58	478	493	469
Psychology	27,621	24	32	68	524	529	513
European History	22,302	20	49	51	537	545	526
Sociology	10,806	10	33	67	505	508	492
Ancient History	16,537	15	50	50	512	523	501
Other Courses	16,418	14	42	58	499	506	488

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: 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	20,234	20	39	61	542	559	536
4 Years	29,720	29	43	57	536	549	527
3 Years	28,882	28	47	53	505	517	490
2 Years	11,123	11	48	52	466	470	449
1 Year	6,190	6	50	50	439	448	425
1/2 Year or Less	6,633	6	50	50	423	442	411
No Response	45,945		50	50	446	458	433
AP/Honors Courses	21,841	21	38	62	567	585	564
<b>Course Work or Experience</b>							
Chinese	3,686	3	50	50	506	583	504
French	17,287	15	38	62	527	530	511
German	1,790	2	56	44	535	545	512
Greek	452	0	42	58	491	505	491
Hebrew	1,025	1	41	59	548	550	525
Italian	9,664	9	45	55	504	512	496
Japanese	1,036	1	43	57	504	535	497
Korean	372	0	37	63	451	507	456
Latin	5,525	5	44	56	564	571	558
Russian	809	1	49	51	521	556	523
Spanish	77,929	69	45	55	494	505	483
Other Languages	2,970	3	38	62	469	489	464

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 18: Arts and Music

<b>Arts and Music</b> <b>Years of Study</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	8,113	14	33	67	530	536	518
4 Years	10,850	19	35	65	523	525	512
3 Years	6,743	12	38	62	493	497	482
2 Years	10,846	19	42	58	487	496	475
1 Year	14,654	25	48	52	486	505	475
1/2 Year or Less	6,922	12	53	47	459	478	447
No Response	90,599		50	50	484	497	471
AP/Honors Courses	5,090	9	33	67	545	553	538
<b>Course Work or Experience</b>							
Acting or Play Production	18,084	17	32	68	532	526	520
Art History or Appreciation	16,278	15	41	59	509	517	502
Dance	15,786	14	14	86	487	491	485
Drama: Study or Appreciation	13,873	13	30	70	511	508	503
Music: Study or Appreciation	19,535	18	48	52	525	529	515
Music Performance	49,232	45	41	59	518	528	507
Photography or Film	21,690	20	33	67	507	512	498
Studio Art and Design	41,278	38	36	64	508	515	496
None	15,660	14	62	38	458	477	441

SAT Subject Tests™ Data

Table 19: 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
25,375	62,590	22,533	613	643	615

  

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	4,901	19
2	9,045	36
3	7,667	30
4 or More	3,762	15

Table 20: 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		Mathematics		Writing		
<b>English</b>					Mean	SD	Mean	SD	Mean	SD	
Literature	5,326	603	115	4,631	632	106	613	105	628	110	
<b>History and Social Studies</b>											
U.S. History	9,195	630	106	8,103	625	98	635	100	625	102	
World History	3,910	607	99	3,542	632	90	641	92	629	94	
<b>Mathematics</b>											
Mathematics Level 1	9,014	616	102	7,998	593	100	634	93	598	102	
Mathematics Level 2	11,116	690	89	9,880	639	94	695	74	648	95	
<b>Science</b>											
Biology-E	5,279	631	93	4,694	617	92	641	90	617	99	
Biology-M	4,728	660	90	4,160	635	90	664	85	640	95	
Chemistry	7,024	664	95	6,270	635	92	681	82	640	95	
Physics	4,052	664	85	3,729	637	89	700	71	637	89	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	208	733	98	188	586	113	680	85	608	116	
French	480	635	122	427	649	98	639	92	655	94	
French/Listening	144	676	128	131	643	85	634	91	652	97	
German	30	616	137	26	658	87	652	89	652	91	
German/Listening	33	624	113	27	624	67	611	88	639	81	
Modern Hebrew	83	577	125	64	635	91	648	77	624	86	
Italian	99	632	116	88	629	82	625	73	640	82	
Japanese/Listening	106	703	113	90	582	102	660	82	607	110	
Korean/Listening	60	771	48	57	595	114	706	82	635	109	
Latin	252	661	99	209	695	82	687	82	698	90	
Spanish	1,240	643	115	1,129	598	105	602	101	609	109	
Spanish/Listening	211	656	119	189	602	106	605	97	621	106	

SAT Subject Tests Score Distributions

Table 21: 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	497	9	1,286	14	375	10
700-740	803	15	1,715	19	426	11
650-690	918	17	1,603	17	640	16
600-640	851	16	1,522	17	624	16
550-590	716	13	1,104	12	738	19
500-540	491	9	827	9	538	14
450-490	409	8	518	6	381	10
400-440	356	7	373	4	150	4
350-390	219	4	197	2	34	1
300-340	59	1	47	1	3	0
250-290	7	0	3	0	1	0
200-240						
Total	5,326		9,195		3,910	
Mean	603		630		607	
SD	115		106		99	
75th percentile	690		710		680	
50th percentile	620		650		610	
25th percentile	530		560		540	

Table 22: 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	567	6	3,840	35	557	11	864	18	1,699	24	763	19
700-740	1,768	20	1,993	18	895	17	1,016	21	1,314	19	803	20
650-690	1,696	19	1,811	16	1,026	19	948	20	1,224	17	902	22
600-640	1,575	17	1,746	16	982	19	843	18	1,092	16	746	18
550-590	1,271	14	1,083	10	901	17	553	12	832	12	459	11
500-540	929	10	389	3	512	10	293	6	500	7	236	6
450-490	562	6	136	1	218	4	113	2	226	3	102	3
400-440	353	4	84	1	108	2	51	1	116	2	33	1
350-390	219	2	29	0	54	1	31	1	21	0	8	0
300-340	68	1	5	0	22	0	15	0				
250-290	6	0			4	0	1	0				
200-240												
Total	9,014		11,116		5,279		4,728		7,024		4,052	
Mean	616		690		631		660		664		664	
SD	102		89		93		90		95		85	
75th percentile	700		770		700		730		740		730	
50th percentile	630		700		640		670		680		670	
25th percentile	550		630		570		600		600		610	

SAT Subject Tests Score Distributions

Table 23: 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	141	68	120	25	64	44	8	27	7	21	12	14
700-740	19	9	58	12	12	8	4	13	4	12	8	10
650-690	11	5	57	12	13	9	1	3	4	12	5	6
600-640	9	4	49	10	12	8	4	13	4	12	9	11
550-590	10	5	65	14	17	12	3	10	7	21	7	8
500-540	8	4	50	10	12	8			3	9	12	14
450-490	8	4	53	11	6	4	6	20	1	3	18	22
400-440	2	1	25	5	4	3	4	13	2	6	9	11
350-390			3	1	4	3					3	4
300-340									1	3		
250-290												
200-240												
Total	208		480		144		30		33		83	
Mean	733		635		676		616		624		577	
SD	98		122		128		137		113		125	
75th percentile	800		740		800		730		720		670	
50th percentile	780		640		710		600		610		540	
25th percentile	710		530		570		470		550		470	

Table 24: 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	20	20	52	49	50	83	59	23	272	22	57	27
700-740	9	9	19	18	5	8	51	20	216	17	40	19
650-690	19	19	8	8	2	3	42	17	207	17	43	20
600-640	18	18	7	7	2	3	29	12	147	12	16	8
550-590	14	14	7	7	1	2	33	13	132	11	14	7
500-540	5	5	5	5			23	9	111	9	9	4
450-490	5	5	2	2			11	4	70	6	16	8
400-440	3	3	4	4			4	2	51	4	9	4
350-390	4	4	1	1					22	2	4	2
300-340	2	2	1	1					12	1	3	1
250-290												
200-240												
Total	99		106		60		252		1,240		211	
Mean	632		703		771		661		643		656	
SD	116		113		48		99		115		119	
75th percentile	710		790		800		740		740		750	
50th percentile	640		740		790		680		660		680	
25th percentile	560		640		760		590		560		590	



## College Plans

Table 25: 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	785	1	470	474	452
Architecture and Related Services	1,512	1	478	515	469
Area, Ethnic, Cultural and Gender Studies	105	0	528	506	522
Biological and Biomedical Sciences	8,158	7	533	547	522
Business Management, Marketing, and Related Support Services	14,491	12	487	516	480
Communication, Journalism and Related Programs	2,802	2	514	496	508
Computer and Information Sciences and Support Services	4,334	4	516	545	491
Construction Trades	99	0	433	447	406
Education	4,801	4	478	485	469
Engineering	10,272	9	522	569	506
Engineering Technologies/Technicians	1,896	2	464	507	448
English Language and Literature/Letters	1,479	1	563	514	550
Family and Consumer Sciences/Human Sciences	216	0	453	458	448
Foreign Languages, Literatures, and Linguistics	599	1	545	527	538
Health Professions and Related Clinical Services	19,773	17	487	501	481
History	1,086	1	533	505	507
Legal Professions and Studies	2,843	2	507	502	495
Liberal Arts and Sciences, General Studies, and Humanities	1,059	1	528	511	517
Library Science And Administration	16	0	528	495	486
Mathematics and Statistics	1,206	1	531	606	531
Mechanic and Repair Technologies/Technician	260	0	419	445	398
Military Technologies And Applied Sciences	412	0	463	477	446
Multi/Interdisciplinary Studies	825	1	572	579	562
Natural Resources and Conservation	680	1	525	523	494
Parks, Recreation, Leisure and Fitness Studies	818	1	441	464	429
Personal and Culinary Services	453	0	444	446	423
Philosophy and Religious Studies	176	0	526	504	506
Physical Sciences	1,887	2	552	576	534
Precision Production	5	0	466	466	416
Psychology	5,789	5	496	481	483
Public Administration and Social Services Professions	422	0	469	457	457
Security and Protective Services	5,212	4	444	450	429
Social Sciences	2,041	2	546	533	533
Theology and Religious Vocations	70	0	504	494	473
Transportation and Materials Moving	53	0	458	482	428
Visual and Performing Arts	8,245	7	497	485	483
Other	2,112	2	448	457	437
Undecided	10,389	9	530	545	520
<b>Degree-Level Goal</b>					
Certificate Program	704	1	421	447	412
Associate Degree	1,526	1	404	404	387
Bachelor's Degree	27,167	23	470	480	455
Master's Degree	42,598	36	503	517	492
Doctoral or Related Degree	26,456	22	533	546	524
Other	697	1	401	418	393
Undecided	20,074	17	507	521	494

## College Plans

Table 26: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 151,569 students from your state who took the SAT and/or an SAT Subject Test, 99,608 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 2,414 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
CUNY: University Application Processing Center	NY	Public	20,568	20.6
SUNY University at Stony Brook	NY	Public	19,373	19.4
SUNY University at Binghamton	NY	Public	19,134	19.2
SUNY University at Buffalo	NY	Public	14,909	15.0
SUNY University at Albany	NY	Public	12,916	13.0
New York University	NY	Private	9,515	9.6
Fordham University	NY	Private	8,890	8.9
SUNY College at New Paltz	NY	Public	8,611	8.6
Cornell University	NY	Private	8,544	8.6
St. John's University	NY	Private	6,952	7.0
Syracuse University	NY	Private	6,658	6.7
City University of New York: Hunter College	NY	Public	6,348	6.4
SUNY College at Oneonta	NY	Public	6,278	6.3
Boston University	MA	Private	6,231	6.3
SUNY College at Cortland	NY	Public	6,123	6.1
Adelphi University	NY	Private	6,035	6.1
Northeastern University	MA	Private	5,700	5.7
SUNY College at Geneseo	NY	Public	5,618	5.6
SUNY College at Oswego	NY	Public	5,607	5.6
SUNY College at Buffalo	NY	Public	5,462	5.5
Hofstra University	NY	Private	5,402	5.4
Columbia University	NY	Private	4,902	4.9
Pace University	NY	Private	4,769	4.8
City University of New York: Baruch College	NY	Public	4,592	4.6
Rochester Institute of Technology	NY	Private	4,544	4.6
Penn State University Park	PA	Public	4,362	4.4
SUNY College at Plattsburgh	NY	Public	4,254	4.3
Quinnipiac University	CT	Private	4,210	4.2
City University of New York: Queens College	NY	Public	4,173	4.2
City University of New York: Brooklyn College	NY	Public	4,129	4.1
SUNY College at Brockport	NY	Public	4,126	4.1
City University of New York: City College	NY	Public	3,914	3.9
Iona College	NY	Private	3,862	3.9
SUNY Farmingdale State College	NY	Public	3,816	3.8
University of Connecticut	CT	Public	3,750	3.8
University of Pennsylvania	PA	Private	3,690	3.7
NCAA Eligibility Center	IN	Public	3,631	3.6
New York Institute of Technology	NY	Private	3,544	3.6
University of Michigan	MI	Public	3,287	3.3
University of Rochester	NY	Private	3,190	3.2
Rensselaer Polytechnic Institute	NY	Private	3,186	3.2
Manhattan College	NY	Private	3,171	3.2
Ithaca College	NY	Private	3,169	3.2
University of Delaware	DE	Public	3,136	3.1
University of Massachusetts Amherst	MA	Public	2,992	3.0

\*Of your students who designated that their SAT 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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