



BCSSE 2016 Codebook

Please note the following:

1. Invalid responses and non-responses are coded as missing “.” in the data file.

<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Values and labels</i>
	bstudid	Please print (enter) your student ID number in the boxes below. (Students completing survey online are asked to provide their school email if they do not know their Student ID.) Do <u>not</u> print your Social Security number.	write-in response
	postcode	Please write in (enter) the 5-digit ZIP code of your home during your last year of high school. (U.S. residents only.)	write-in response
	complete	When are you completing this survey? (Select only one.)	1 = Prior to the start of fall term classes 2 = During the first week of fall term classes 3 = After the first week of fall term classes
HIGH SCHOOL EXPERIENCES			
1.	hgradyr_yyyy	Please write the year you graduated from high school (for example, 2016):	write-in response
	hgradyr	Recoded response to high school graduation year variable <i>hgradyr_yyyy</i> .	2013 = 2013 or earlier 2014 = 2014 2015 = 2015 2016 = 2016
2.	htype13	From which type of high school did you graduate? (Select only one.)	1 = Public 2 = Private, religiously-affiliated 3 = Private, not religiously-affiliated 4 = Home school 5 = Other (e.g., GED)
3.	hgrades	What were most of your high school grades? (Select only one.)	1 = C- or lower 2 = C 3 = C+ 4 = B- 5 = B 6 = B+ 7 = A- 8 = A 9 = Grades not used

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Question 4: To date, in which of the following math classes have you earned a grade of "C" or better? (Select all that apply.)			
4a.	halg13	Algebra II	
4b.	hprecalc13	Pre-Calculus/Trigonometry	0 = Not selected 1 = Selected
4c.	hcalc13	Calculus	
4d.	hstats13	Probability or Statistics	
5.	hsatact	Did you take the SAT and/or ACT?	0 = No 1 = Yes
If yes, please write your scores below (as best you remember):			
5a.	hsatcr	SAT: Critical Reading	<i>SAT (possible range = 200-800)</i>
5b.	hsatmr	SAT: Mathematical Reasoning	<i>ACT (possible range = 1-36)</i>
5c.	hsatwr	SAT: Writing	
5d.	hact	ACT: Composite	
	sat_act	SAT Composite Score (SAT scores or ACT scores converted to SAT scale)	
			1 = 900 or lower 2 = 901-1000 3 = 1001-1100 4 = 1101-1200 5 = 1201-1300 6 = 1301-1400 7 = 1401-1600
	sat_actr	Recode of SAT Composite Score variable <i>sat_act</i> into categories	

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Question 6: During high school, how many of the following types of classes did you complete?			
6a.	hapcl13	Advanced Placement (AP) classes	1 = 0 2 = 1-2 3 = 3-4 4 = 5-6 5 = 7-8
6b.	hhonor13	College or university courses for credit	6 = 9-10 7 = 11 or more
Question 7: During your <i>last year</i> of high school, about how many papers, reports, or other writing tasks of the following length did you complete?			
7a.	hWRshrt	Up to 5 pages	1 = None 2 = 1-2 3 = 3-5
7b.	hWRmd	Between 6 and 10 pages	4 = 6-10 5 = 11-15 6 = 16-20
7c.	hWRlng	11 pages or more	7 = More than 20 papers, etc.
Question 8: During your <i>last year</i> of high school, about how many hours did you spend in a typical 7-day week doing each of the following?			
8a.	hacadpr13	Preparing for class (studying, reading, doing homework, etc.)	1 = 0 2 = 1-5 3 = 6-10 4 = 11-15 5 = 16-20
8b.	hwork	Working for pay	6 = 21-25 7 = 26-30 8 = More than 30
8c.	hcocurr	Participating in co-curricular activities (organizations, school publications, student government, sports , etc.)	
8d.	hsocial13	Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	

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9.	hTMread14	During your <i>last year</i> of high school, of the time you spent preparing for class in a typical 7-day week, about how much was on assigned reading?	1 = Very little 2 = Some 3 = About half 4 = Most 5 = Almost all
Question 10: During your <i>last year</i> of high school, about how often did you do the following?			
10a.	hunprepard	Came to class without completing readings or assignments	
10b.	hdrafting	Prepared two or more drafts of a paper or assignment before turning it in	
10c.	hQRconclud	Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	
10d.	hQRproblm	Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	
10e.	hQRevaluat	Evaluated what others have concluded from numerical information	1 = Never 2 = Sometimes 3 = Often 4 = Very often
10f.	hLSreading	Identified key information from reading assignments	
10g.	hLSnotes	Reviewed your notes after class	
10h.	hLSsummry	Summarized what you learned in class or from course materials	
10i.	hRIdivers	Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	
10j.	hRIownview	Examined the strengths and weaknesses of your own views on a topic or issue	
10k.	hRIperspct	Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	

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Question 11: During your high school years, how involved were you in the following activities at your school or elsewhere?			
11a.	hinvars	Performing or visual arts programs (band, chorus, theater, art, etc.)	
11b.	hinvathl	Athletic teams (varsity, JV, club sport, etc.)	
11c.	hstugov	Student government	1 = Not at all
11d.	hinvpubs	Publications (student newspaper, yearbook, etc.)	2 = Very little
11e.	hinvhon13	Academic clubs or honor societies	3 = Some
11f.	hinvvocl	Vocational clubs (business, health, technology, etc.)	4 = Quite a bit
11g.	hrelgrp	Religious youth groups	5 = Very much
11h.	hvolntr	Community service or volunteer work	
12.	hchallenge	During your <i>last year</i> of high school, to what extent did your courses challenge you to do your best work?	1 = Not at all 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = Very much

EXPECTED FIRST YEAR EXPERIENCES

Question 13: During the coming school year, about how many hours do you expect to spend in a typical 7-day week doing each of the following?			
13a.	fyacadpr13	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	1 = 0 2 = 1-5
13b.	fywork	Working for pay on- or off-campus	3 = 6-10 4 = 11-15
13c.	fycocurr	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	5 = 16-20 6 = 21-25
13d.	fysocial13	Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	7 = 26-30 8 = More than 30

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14.	fyTMread	During the coming school year, of the time you expect to spend preparing for class in a typical 7-day week, about how many hours will be on assigned reading?	1 = 0 2 = 1-5 3 = 6-10 4 = 11-15 5 = 16-20 6 = 21-25 7 = 26-30 8 = More than 30

Question 15: During the coming school year, about how often do you expect to do each of the following?

15a.	fyCLaskhlp	Ask another student to help you understand course material	
15b.	fyCLxplain	Explain course material to one or more students	
15c.	fyCLstudy	Prepare for exams by discussing or working through course material with other students	
15d.	fyCLproject	Work with other students on course projects or assignments	
15e.	fySFcareer	Talk about career plans with a faculty member	1 = Never
15f.	fySFothrwrk	Work with a faculty member on activities other than coursework (committees, student groups, etc.)	2 = Sometimes
15g.	fySFprform	Discuss your academic performance with a faculty member	3 = Often
15h.	fySFdiscuss	Discuss course topics, ideas, or concepts with a faculty member outside of class	4 = Very often
15i.	fydrafting	Prepare two or more drafts of a paper or assignment before turning it in	
15j.	fyunprepard	Come to class without completing readings or assignments	

Question 16: During the coming school year, about how often do you expect to have discussions with people from the following groups?

16a.	fyDVrace	People of a race or ethnicity other than your own	1 = Never
16b.	fyDVeconomic	People from an economic background other than your own	2 = Sometimes
16c.	fyDVreligion	People with religious beliefs other than your own	3 = Often
16d.	fyDVpolitical	People with political views other than your own	4 = Very often

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Question 17: During the coming school year, how certain are you that you will do the following?			
17a.	cotherint	Study when there are other interesting things to do	
17b.	cfindinfo	Find additional information for course assignments when you don't understand the material	1 = Not at all certain
17c.	ccourdis	Participate regularly in course discussions, even when you don't feel like it	2 = 2 3 = 3
17d.	caskinst	Ask instructors for help when you struggle with course assignments	4 = 4 5 = 5
17e.	cfinish	Finish something you have started when you encounter challenges	6 = Very certain
17f.	cstaypos	Stay positive, even when you do poorly on a test or assignment	
Question 18: During the coming school year, how difficult do you expect the following to be?			
18a.	clearnma	Learning course material	
18b.	cmantime	Managing your time	1 = Not at all difficult
18c.	cpaycoll	Paying college expenses	2 = 2 3 = 3
18d.	cgethelp	Getting help with school work	4 = 4 5 = 5
18e.	cmakefr	Making new friends	6 = Very difficult
18f.	cintfac	Interacting with faculty	
Question 19: During the coming school year, about how many papers, reports, or other writing tasks of the following length do you expect to complete?			
19a.	fyWRshrt	Up to 5 pages	1 = None 2 = 1-2 3 = 3-5
19b.	fyWRmd	Between 6 and 10 pages	4 = 6-10 5 = 11-15
19c.	fyWRlng	11 pages or more	6 = 16-20 7 = More than 20 papers, etc.

<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Values and labels</i>
Question 20: How prepared are you to do the following in your academic work at this institution?			
20a.	fySGwrite	Write clearly and effectively	
20b.	fySGspeak	Speak clearly and effectively	
20c.	fySGthink	Think critically and analytically	
20d.	fySGanalyze	Analyze numerical and statistical information	
20e.	fySGothers	Work effectively with others	
20f.	cgncompt13	Use computing and information technology	
20g.	cgninq	Learn effectively on your own	
			1 = Not at all prepared 2 = 2 3 = 3 4 = 4 5 = 5 6 = Very prepared
			1 = 0 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 or more 9 = Uncertain
21a.	fycourse	How many courses are you taking for credit this fall term?	
			1 = 0 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 or more 9 = Uncertain
21b.	fyonline	Of these courses, how many are entirely online?	
			1 = 0 2 = 1 3 = 2 4 = 3 5 = 4 6 = 5 7 = 6 8 = 7 or more 9 = Uncertain

<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Values and labels</i>
Question 22: How important is it to you that your institution provide each of the following?			
22a.	fyacadexp	A challenging academic experience	
22b.	fySEacad	Support to help students succeed academically	
22c.	fySEdiv	Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	1 = Not important 2 = 2 3 = 3 4 = 4 5 = 5 6 = Very important
22d.	fySEacad	Help managing your non-academic responsibilities (work, family, etc.)	
22e.	fySEsoc	Opportunities to be involved socially	
22f.	fySEact	Opportunities to attend campus activities and events	
22g.	fySEserv	Learning support services (tutoring services, writing center, etc.)	
Question 23: Which of the following sources are you using to pay your education expenses (tuition, fees, books, room & board, etc.)?			
23a.	fyparents	Support from parents or relatives	
23b.	fyloans	Loans	1 = Using
23c.	fygrants	Grants or scholarships	2 = Not using 9 = Not sure
23d.	fyjob	Job or personal savings	
23e.	fyother	Other	
24.	fygrades	What do you expect most of your grades will be during the coming year? (Select only one.)	1 = C- or lower 2 = C 3 = C+ 4 = B- 5 = B 6 = B+ 7 = A- 8 = A 9 = Grades not used

Item #	Variable	Variable Label	Values and labels
25.	fyintgrad	Do you expect to graduate from this institution?	0 = No 1 = Yes 9 = Uncertain

ADDITIONAL INFORMATION

26.	fymajor	Do you know what your major will be?	0 = No 1 = Yes
	fymajcode	Specify: (Write-in provided for variable <i>fymajor</i>).	

Arts & Humanities	50 = Psychology	Health Professions
1 = Arts, fine and applied	51 = Sociology	98 = Allied health
2 = Architecture	52 = Other social sciences	99 = Dentistry
3 = Art history	Business	100 = Health science
4 = English (language and literature)	53 = Accounting	101 = Health technology (medical, dental, laboratory)
5 = French (language and literature)	54 = Business administration	102 = Healthcare administration and policy
6 = Spanish (language and literature)	55 = Entrepreneurial studies	103 = Kinesiology
7 = Other language and literature	56 = Finance	104 = Medicine
8 = History	57 = Hospitality and tourism	105 = Nursing
9 = Humanities (general)	58 = International business	106 = Nutrition and dietetics
10 = Music	59 = Management	107 = Occupational safety and health
11 = Philosophy	60 = Management information systems	108 = Occupational therapy
12 = Religion	61 = Marketing	109 = Pharmacy
13 = Theater or drama	62 = Organizational leadership or behavior	110 = Physical therapy
14 = Other fine and performing arts	63 = Supply chain and operations management	111 = Rehabilitation sciences
15 = Other humanities	64 = Other business	112 = Speech therapy
Biological Science, Agriculture, & Natural	Communications, Media, & Public Relations	113 = Veterinary science
16 = Biology (general)	65 = Communications (general)	114 = Other health professions
17 = Agriculture	66 = Broadcast communications	Social Service Professions
18 = Biochemistry or biophysics	67 = Journalism	115 = Criminal justice
19 = Biomedical science	68 = Mass communications and media studies	116 = Criminology
20 = Botany	69 = Public relations and advertising	117 = Forensics
21 = Cell and molecular biology	70 = Speech	118 = Justice administration
22 = Environmental science/studies	71 = Telecommunications	119 = Law
23 = Marine science	72 = Other communications	120 = Military science
24 = Microbiology or bacteriology	Education	121 = Public administration, policy
25 = Natural resources and conservation	73 = Education (general)	122 = Public safety and emergency management
26 = Natural science	74 = Business education	123 = Social work
27 = Neuroscience	75 = Early childhood education	124 = Urban planning
28 = Physiology & developmental biology	76 = Elementary, middle school education	Other majors (not categorized)
29 = Zoology	77 = Mathematics education	125 = Computer information systems
30 = Other agr. & natural resources	78 = Music or art education	126 = Family and consumer studies
31 = Other biological sciences	79 = Physical education	127 = General studies
Physical Science, Mathematics, & Computer	80 = Secondary education	128 = Information systems
32 = Physical sciences (general)	81 = Social studies education	129 = Information technology

<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Values and labels</i>
		33 = Astronomy	82 = Special education
		34 = Atmospheric sci. (meteorology)	83 = Other education
		35 = Chemistry	Engineering
		36 = Computer science	84 = Engineering (general)
		37 = Earth science (including geology)	85 = Aero-, aeronautical engineering
		38 = Mathematics	86 = Bioengineering
		39 = Physics	87 = Biomedical engineering
		40 = Statistics	88 = Chemical engineering
		41 = Other physical sciences	89 = Civil engineering
		Social Sciences	90 = Computer engineering and technology
		42 = Social sciences (general)	91 = Electrical or electronic engineering
		43 = Anthropology	92 = Industrial engineering
		44 = Economics	93 = Materials engineering
		45 = Ethnic studies	94 = Mechanical engineering
		46 = Gender studies	95 = Petroleum engineering
		47 = Geography	96 = Software engineering
		48 = International relations	97 = Other engineering
		49 = Political science	
			130 = Liberal arts and sciences
			131 = Multi, Interdisciplinary studies
			132 = Network security and systems
			133 = Other computer science and technology
			134 = Parks, recreation, leisure studies, sports mgmt.
			135 = Professional studies (general)
			136 = Technical, vocational studies
			137 = Theological studies, ministry
			138 = Other, not listed
			999 = Undecided, undeclared
			998 = Unrecognized write-in
			1 = Arts & Humanities
			2 = Biological Sciences, Agriculture, & Natural Resources
			3 = Physical Sciences, Mathematics, & Computer Science
			4 = Social Sciences
			5 = Business
			6 = Communications, Media & Public Relations
			7 = Education
			8 = Engineering
			9 = Health Professions
			10 = Social Service Professions
			11 = All Other
			999 = Undecided/undeclared
27.	fyfulltime	Are you (or will you be) a full-time student this fall term?	0 = No 1 = Yes
			1 = None
			2 = 1
			3 = 2
			4 = 3
			5 = 4 or more

Item #	Variable	Variable Label	Values and labels
29.	fychoice	This institution was your:	1 = First choice 2 = Second choice 3 = Third choice 4 = Fourth choice 5 = Fifth choice or lower
30.	fygender	What is your gender identity?	1 = Man 2 = Woman 3 = Another gender identity, please specify 9 = I prefer not to respond
	fygender_txt	Specify: (Write-in provided for variable <i>fysex14</i>).	
31.	fyinternat	Are you an international student or foreign national?	0 = No 1 = Yes

Question 32: What is your racial or ethnic identification? (Select all that apply.)

32a.	fy_amind	American Indian or Alaska Native	
32b.	fy_asian	Asian	
32c.	fy_black	Black or African American	
32d.	fy_latino	Hispanic or Latino	0 = Not selected 1 = Selected
32e.	fy_pacific	Native Hawaiian or Other Pacific Islander	
32f.	fy_white	White	
32g.	fy_other	Other	
32h.	fy_pnr	I prefer not to respond	

<i>Item #</i>	<i>Variable</i>	<i>Variable Label</i>	<i>Values and labels</i>
33.	fypardegr	What is the highest level of education completed by either of your parents (or those who raised you)?	1 = Did not finish high school 2 = High school diploma or G.E.D. 3 = Attended college but did not complete degree 4 = Associate's degree (A.A., A.S., etc.) 5 = Bachelor's degree (B.A., B.S., etc.) 6 = Master's degree (M.A., M.S., etc.) 7 = Doctoral or professional degree (Ph.D., J.D., M.D., etc.)
34.	fydistanc	In driving time, about how far is this institution from the home where you lived during your last year of high school?	1 = Less than 1 hour 2 = At least 1 hour, less than 2 hours 3 = At least 2 hours, less than 4 hours 4 = At least 4, less than 6 hours 5 = At least 6, less than 8 hours 6 = 8 hours or more
35.	fyliving	Which of the following best describes where you will be (or are) living during the coming school year?	1 = Dormitory or other campus housing 2 = Residence (house, apartment, etc.) within walking distance to campus 3 = Residence (house, apartment, etc.) farther than walking distance to campus 9 = None of the above
Question 36: Enter your first two initials and last name:			
36a.	FI	First initial	
36b.	MI	Middle initial	write-in response
36c.	Lastname	Last name	

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BCSSE Scale scores are the mean of the component items after all individual item values have been converted to 0-60 point scales.			
HS_QR		High School engagement in quantitative reasoning	
HS_LS		High School engagement in learning strategies	
EXP_CL		Expected engagement in collaborative learning	
EXP_SFI		Expected engagement with faculty	
EXP_DD		Expected discussions with diverse others	
EXP_PER		Expected Academic Perseverance Scale: Student certainty that they will persist in the face of academic adversity	
EXP_DIF		Expected Academic Difficulty Scale: Expected academic difficulty during the first year of college (university)	
PER_PREP		Perceived Academic Preparation Scale: Student perception of their academic preparation	
IMP_CAMP		Importance of Campus Environment Scale: Student-rated importance that the institution provides a challenging and supportive environment	
MISCELLANEOUS INFORMATION			
bsurvid		BCSSE survey ID number	
bmodecmp		Mode of survey completion	1 = Paper 2 = Web
bversion		Questionnaire version (e.g., Standard U.S., Canadian)	1 = Standard 2 = Canadian (English)
bdurationCore		Survey duration	
bfirstgen		First generation status	0 = Did not complete bachelor's degree 1 = Completed bachelor's degree