
BCSSE 2019

First-Year Student Institutional Report

California State University, Fullerton

Please note: The layout of this file is optimized for printing and PDF creation, not on-screen viewing. When the Excel version is viewed on screen, some cells appear to contain truncated text or misplaced line breaks. This is due to differences in Excel between on-screen display and what appears in print or PDF.

First-year students were recent high school graduates who met one of the following criteria:

- All paper survey respondents regardless of high school graduation year.
- Web respondents who graduated high school in 2019.
- Web respondents who graduated high school in 2018 or 2017 and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2018 or 2017 and did attend another institution since graduating high school and expects to transfer 11 or fewer credits.

Transfer students were those respondents who met the following criteria:

- All web respondents who attended a college or university after graduation from high school, expects to transfer 12 or more credits, and graduated high school prior to the current year.

Delayed-entry (older) students were those respondents who met one of the following criteria:

- Web respondents who graduated high school in 2016 or earlier and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2016 or earlier and did attend another institution since graduating high school and expects to transfer 11 or fewer credits.




BCSSE 2019
First-Year Student Respondent Profile
California State University, Fullerton

Respondent Profile

About This Report

The *Respondent Profile* presents overall student demographic information, as well as by first-generation status and high school grades. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website (bcse.indiana.edu) or contact your BCSSE Project Services team.

- Student status:** As reported by your students.
- Item numbers:** Numbering corresponds to the survey facsimile and codenook available on the BCSSE website.
- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.
- Response options:** Response options are worded as they appear on the instrument (except where abbreviations are used for formatting purposes).
- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the percentage of students selecting the corresponding response option. Percentages may not sum to 100 due to rounding.



Respondent Profile

BCSSEville State University

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation*				Self-Reported HS Grades			
			Count	%	Yes	No	A- or Higher		B+ or Lower			
28. This institution was your:	ecchoice1?	First choice Second choice Third choice or lower Total	969 222 39 1230	79 18 3 100	534 124 25 683	78 18 3 100	434 97 14 545	90 18 3 100	587 117 18 722	81 16 2 100	378 104 21 503	75 21 4 100
29. What is your gender identity?	cggender	Man Woman Another gender identity I prefer not to respond Total	599 622 5 7 1233	49 50 0 1 100	327 349 5 5 686	48 51 1 1 100	272 272 0 1 545	50 50 0 0 100	299 419 3 4 725	41 58 0 1 100	297 201 2 3 503	59 40 0 1 100
30. Are you an international student or foreign national?	cinemat	No Yes Total	1212 15 1227	99 1 100	673 9 682	99 1 100	537 6 543	99 1 100	712 10 722	99 1 100	495 5 500	99 1 100
31. How would you describe yourself? (Select all that apply)	re_race <small>(Recorded from c_gender in c_race where each student is represented only once.)</small>	American Indian or Alaska Native Asian Black or African American Hispanic or Latino Middle Eastern or North African Native Hawaiian or Other Pacific Islander White Another race or ethnicity Multiracial I prefer not to respond Total	8 10 80 74 0 1 943 3 95 10 1233	1 1 7 6 0 0 76 0 8 1 100	2 6 68 70 0 1 473 2 58 6 686	0 1 10 0 0 0 69 0 8 1 100	6 4 21 4 0 0 469 1 37 3 545	1 1 4 1 0 0 86 0 7 1 100	6 7 24 3 0 0 605 0 54 4 724	1 1 3 3 0 0 84 0 7 1 100	1 1 13 10 0 0 66 1 8 1 504	0 1 13 10 0 0 66 1 8 1 100

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades				
			Count	%	Yes		No		A- or Higher		B+ or Lower		
					Count	%	Count	%	Count	%	Count	%	
Number of Surveys Completed	bmodecmp												
Mode of completion		Paper	0	0									
		Web	1,144	100									
		Total	1,144	100									
1. Please indicate the year you graduated from high school:													
	hgradyr	Prior to 2016	0	0	0	0	0	0	0	0	0	0	0
		2016	0	0	0	0	0	0	0	0	0	0	0
		2017	11	1	0	0	4	2	3	0	8	2	
		2018	4	0	1	0	0	0	3	0	1	0	
		2019	1,108	99	422	100	197	98	695	99	401	98	
		Total	1,123	100	423	100	201	100	701	100	410	100	
W1. Since graduating from high school, which of the following have you done? (Select all that apply.)													
<i>(Online survey respondents only. The paper survey did not include this item.)</i>													
	tattend	Attend another college or university	0	0	0	0	0	0	0	0	0	0	0
	tmilitary	Military service	0	0	0	0	0	0	0	0	0	0	0
	twork_ft	Work full-time	2	13	0	0	0	0	1	14	1	11	
	twork_pt	Work part-time	13	81	1	100	4	80	5	71	8	89	
	thome	Homemaker or stay at home spouse	0	0	0	0	0	0	0	0	0	0	0
	tvolunteer	Volunteer	5	31	0	0	1	20	2	29	3	33	
	tsinceoth	Other	1	6	0	0	1	20	1	14	0	0	
W2. Since graduating from high school, which of the following types of schools have you attended other than this institution? (Select all that apply.)													
<i>(Online survey respondents only. The paper survey did not include this item.)</i>													
	tattend_voc	Vocational or technical school	0	0	0	0	0	0	0	0	0	0	0
	tattend_com	Community or junior college	0	0	0	0	0	0	0	0	0	0	0
	tattend_col	4-year college or university other than this one	0	0	0	0	0	0	0	0	0	0	0
	tattend_other	Other	1	100	0	0	1	100	1	100	0	0	
W3. About how many credits do you expect to transfer to this institution?													
<i>(Online survey respondents only. The paper survey did not include this item.)</i>													
	ttnsfr_cr	0	0	0	0	0	0	0	0	0	0	0	0
		1-11	0	0	0	0	0	0	0	0	0	0	0
		12-30	1	100	0	0	1	100	1	100	0	0	
		31-45	0	0	0	0	0	0	0	0	0	0	
		46-60	0	0	0	0	0	0	0	0	0	0	
		More than 60	0	0	0	0	0	0	0	0	0	0	
		Total	1	100	0	0	1	100	1	100	0	0	
2. From which type of high school did you graduate? (Select only one.)													
	htype13	Public	921	97	348	97	170	96	580	97	329	97	
		Private, religiously-affiliated	27	3	11	3	7	4	17	3	9	3	
		Private, not religiously affiliated	0	0	0	0	0	0	0	0	0	0	

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
			Count	%	Yes		No		A- or Higher		B+ or Lower	
					Count	%	Count	%	Count	%	Count	%
		Home school	0	0	0	0	0	0	0	0	0	0
		Other (e.g., G.E.D.)	0	0	0	0	0	0	0	0	0	0
		Total	948	100	359	100	177	100	597	100	338	100
3. What were most of your high school grades? (Select only one.)												
	hgrades17	C- or lower	0	0	0	0	0	0	0	0	0	0
		C	0	0	0	0	0	0	0	0	0	0
		C+	2	0	2	0	0	0	0	0	2	0
		B-	6	1	6	1	0	0	0	0	6	1
		B	145	13	61	14	29	15	0	0	145	35
		B+	257	23	108	26	37	19	0	0	257	63
		A-	280	25	92	22	58	29	280	40	0	0
		A	376	34	137	32	70	35	376	54	0	0
		A+	45	4	16	4	6	3	45	6	0	0
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	1,111	100	422	100	200	100	701	100	410	100
4. To date, in which of the following math classes have you earned a grade of "C" or better? (Select all that apply.)												
	halg13	Algebra II	904	88	352	85	176	89	563	87	340	89
	hprecalc13	Pre-calculus/Trigonometry	724	72	267	65	146	74	485	77	238	65
	hcalc13	Calculus	324	35	112	27	73	37	229	39	93	28
	hstats13	Probability or Statistics	325	35	119	29	61	31	203	35	122	36
5. If you completed the SAT and/or ACT, please enter your scores below (as best you remember): <i>(Recoded SAT and ACT composite created by BCSSE.)</i>	sat_act17r											
		900 or lower	49	5	27	7	4	2	33	6	16	5
		901 - 1000	114	13	59	15	6	3	71	12	43	13
		1001 - 1100	256	28	129	33	37	20	151	26	104	32
		1101 - 1200	238	26	96	25	50	26	149	26	88	27
		1201 - 1300	173	19	62	16	60	32	115	20	58	18
		1301 - 1400	64	7	12	3	22	12	47	8	17	5
		1401 - 1600	18	2	6	2	10	5	16	3	2	1
		Total	912	100	391	100	189	100	582	100	328	100
22. Which of the following sources are you using to pay your education expenses (tuition, fees, books, room & board, etc.)? For each, tell us if you are using, not using, or not sure.												
Support from parents or relatives	cparents	Using	442	70	255	62	172	87	270	69	171	70
		Not using	109	17	89	21	13	7	73	19	35	14
		Not sure	84	13	70	17	12	6	46	12	38	16
		Total	635	100	414	100	197	100	389	100	244	100
Loans	cloans	Using	192	30	120	29	70	35	124	32	67	27

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
		Not using	283	45	191	46	80	40	172	44	111	45
		Not sure	160	25	101	25	48	24	93	24	66	27
		Total	635	100	412	100	198	100	389	100	244	100
Grants or scholarships	cgrants	Using	409	64	309	75	87	44	259	66	148	60
		Not using	115	18	45	11	64	32	62	16	53	22
		Not sure	114	18	60	14	48	24	69	18	45	18
		Total	638	100	414	100	199	100	390	100	246	100
Employment on- or off-campus	cjob	Using	311	49	204	49	96	48	186	48	125	51
		Not using	124	20	76	18	42	21	78	20	46	19
		Not sure	200	31	134	32	60	30	126	32	72	30
		Total	635	100	414	100	198	100	390	100	243	100
Personal savings or other sources	cpersonal	Using	320	50	206	50	99	50	204	53	116	47
		Not using	152	24	98	24	49	25	94	24	58	24
		Not sure	164	26	109	26	51	26	90	23	72	29
		Total	636	100	413	100	199	100	388	100	246	100
23. What do you expect most of your grades will be during the coming year? (Select only one.)												
	cgrades19	C- or lower	0	0	0	0	0	0	0	0	0	0
		C	4	1	4	1	0	0	2	1	2	1
		C+	11	2	7	2	4	2	4	1	7	3
		B-	39	6	30	7	8	4	17	4	22	9
		B	144	22	102	24	37	18	73	18	71	29
		B+	160	25	115	27	42	21	83	21	76	31
		A-	193	30	113	27	72	36	145	37	47	19
		A	93	14	49	12	38	19	71	18	22	9
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	644	100	420	100	201	100	395	100	247	100
24. Do you expect to graduate from this institution?												
	cintgrad	No	7	1	4	1	1	0	5	1	2	1
		Yes	577	90	390	93	171	85	356	90	220	89
		Uncertain	60	9	26	6	29	14	34	9	25	10
		Total	644	100	420	100	201	100	395	100	247	100
25. Do you know what your major will be?												
	cmajor	No	107	17	74	18	30	15	68	17	39	16
		Yes, specify	533	83	345	82	169	85	327	83	205	84
		Total	640	100	419	100	199	100	395	100	244	100
(Recorded variable cmajcode into one of 12	cmajrcol	Arts & Humanities	52	10	30	9	20	12	29	9	23	11

First-Year Students

Item wording or description <i>(major categories listed at right.)</i>	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
			Count	%	Yes		No		A- or Higher		B+ or Lower	
					Count	%	Count	%	Count	%	Count	%
		Biological Sci., Agriculture, & Natural Resources	79	15	49	14	25	15	51	16	28	14
		Physical Sci., Mathematics, & Computer Science	54	10	33	10	21	12	33	10	21	10
		Social Sciences	86	16	60	17	23	14	61	19	25	12
		Business	71	13	45	13	24	14	42	13	29	14
		Communications, Media, & Public Relations	10	2	4	1	6	4	5	2	5	2
		Education	15	3	12	3	3	2	11	3	4	2
		Engineering	58	11	38	11	16	9	33	10	24	12
		Health Professions	68	13	44	13	23	14	48	15	20	10
		Social Service Professions	27	5	22	6	5	3	9	3	18	9
		All Other	13	2	10	3	2	1	5	2	8	4
		Undecided, Undeclared	1	0	0	0	1	1	1	0	0	0
		Total	534	100	347	100	169	100	328	100	205	100
26. Are you (or will you be) a full-time student at this institution?												
	cfulltime18	No	16	3	12	3	4	2	9	2	6	2
		Yes	616	97	410	97	196	98	378	98	237	98
		Total	632	100	422	100	200	100	387	100	243	100
27. How many of your close friends will attend this institution during the coming year?												
	cfriends	None	228	36	142	34	82	41	140	36	87	36
		1	112	18	80	19	31	15	71	18	40	17
		2	119	19	86	21	32	16	74	19	45	19
		3	81	13	51	12	28	14	47	12	34	14
		4 or more	89	14	60	14	28	14	54	14	35	15
		Total	629	100	419	100	201	100	386	100	241	100
28. This institution was your:												
	cchoice17	First choice	297	48	199	48	92	46	178	46	119	50
		Second choice	235	38	165	39	70	35	147	38	87	36
		Third choice or lower	93	15	54	13	36	18	58	15	34	14
		Total	625	100	418	100	198	100	383	100	240	100
29. What is your gender identity?												
	cgender	Man	228	36	146	35	79	39	122	32	104	43
		Woman	398	63	275	65	118	59	259	67	139	57
		Another gender identity	3	0	1	0	2	1	3	1	0	0
		I prefer not to respond	4	1	1	0	2	1	3	1	1	0
		Total	633	100	423	100	201	100	387	100	244	100

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades				
			Count	%	Yes		No		A- or Higher		B+ or Lower		
					Count	%	Count	%	Count	%	Count	%	
30. Are you an international student or foreign national?													
	cinternat	No	613	97	409	97	197	99	371	97	241	99	
		Yes	17	3	13	3	3	2	13	3	3	1	
		Total	630	100	422	100	200	100	384	100	244	100	
31. How would you describe yourself? (Select all that apply)													
	re_allb	American Indian or Alaska Native	1	0	0	0	1	1	1	0	0	0	
	(Recoded from c_mind to c_pnr where each student is represented only once.)	Asian	132	21	75	18	56	28	82	22	49	20	
		Black or African American	9	1	6	1	3	2	6	2	3	1	
		Hispanic or Latino	292	47	256	61	34	17	165	43	127	52	
		Middle Eastern or North African	10	2	6	1	4	2	8	2	2	1	
		Native Hawaiian or Other Pacific Islander	1	0	1	0	0	0	1	0	0	0	
		White	83	13	35	8	48	24	56	15	27	11	
		Another race or ethnicity	1	0	0	0	1	1	1	0	0	0	
		Multiracial	95	15	42	10	53	27	60	16	34	14	
		I prefer not to respond	0	0	0	0	0	0	0	0	0	0	
		Total	624	100	421	100	200	100	380	100	242	100	
32. Regarding your parents (or those who raised you), what is the highest level of education completed by either of them?													
	cpardegr18	Did not finish high school	136	22	136	32	0	0	64	17	72	30	
		High school diploma or G.E.D.	151	24	151	36	0	0	98	26	52	21	
		Attended college, but did not complete degree	90	14	90	21	0	0	58	15	32	13	
		Associate's degree (A.A., A.S., etc.)	46	7	46	11	0	0	25	7	21	9	
		Bachelor's degree (B.A., B.S., etc.)	129	21	0	0	129	64	86	23	42	17	
		Master's degree (M.A., M.S., etc.)	58	9	0	0	58	29	40	11	18	7	
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	14	2	0	0	14	7	8	2	6	2	
		Total	624	100	423	100	201	100	379	100	243	100	
	First-generation status (Neither parent holds a bachelor's degree. Recoded from cpardegr18)	bfirstgen											
		First-generation	423	68	423	100	0	0	245	65	177	73	
		Not first-generation	201	32	0	0	201	100	134	35	66	27	
		Total	624	100	423	100	201	100	379	100	243	100	
33. Which of the following best describes where you will be living while attending college?													
	cliving18	Campus housing (other than a fraternity or sorority house)	178	29	98	23	79	40	115	30	63	26	
		Fraternity or sorority house	3	0	3	1	0	0	1	0	2	1	
		House, apartment, or other residence within walking distance to campus	62	10	43	10	19	10	40	11	22	9	
		House, apartment, or other residence farther than walk. dist. to campus	374	60	273	65	101	51	221	58	151	62	

First-Year Students

Item wording or description	Variable name	Response options	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			Count	%	Count	%	Count	%	Count	%	Count	%
		Not applicable: No campus, entirely online program, etc.	4	1	4	1	0	0	1	0	3	1
		Not applicable: Homeless or in transition	1	0	0	0	1	1	0	0	1	0
		Total	622	100	421	100	200	100	378	100	242	100



BCSSE 2019

First-Year Student Frequencies and Statistical Comparisons

California State University, Fullerton

Frequencies and Statistical Comparisons

About This Report

The Frequencies and Statistical Comparisons report presents item-by-item student responses and mean comparisons that allow you to examine patterns of similarity and difference between groups students at your institution. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website (bcse.indiana.edu) or contact a member of the BCSSE team.

- Student status:** As reported by your students.
- Item numbers:** Numbering corresponds to the survey facsimile and codenook available on the BCSSE website.
- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.
- Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.
- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the percentage of students selecting the corresponding response option. Percentages may not sum to 100 due to rounding.
- Overall mean:** Mean scores for each item. Mean item scores by within-campus comparison groups are presented on the right side. Mean calculated from ordered response options (e.g., Very often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution.
- Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (* $p < .05$, ** $p < .01$, *** $p < .001$). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #8) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests.

BCSSE beginning college survey of student engagement
First-Year Students

Frequencies and Statistical Comparisons
 BCSSEville State University

Item wording or description of variable	Variable name	Values	Response options	Frequency Distributions								Statistical Comparisons												
				All Students		First-Generation*		Self-Reported HS Grades		First-Generation		Self-Reported HS Grades												
				Count	%	Yes	No	A- or higher	B+ or lower	Yes	No	A- or higher	B+ or lower											
6. During high school, how many of the following types of classes did you complete?																								
a. Advanced Placement (AP) classes	hapc11num	0	0	420	35	261	39	158	30	187	26	230	48											
		1.5	1-2	382	32	225	34	156	30	238	34	142	29											
		3.5	3-4	55	22	131	20	138	26	194	27	75	15											
		5.5	5-6	88	7	30	5	56	11	62	9	26	5	1.6	2.2 ***	-.30	2.2	1.4 ***	.40					
		7.5	7-8	24	2	9	1	15	3	19	3	5	1											
		9.5	9-10	10	1	6	1	4	1	7	1	3	1											
		11.5	11 or more	4	0	3	0	1	0	1	0	3	1											
		Total		1,187	100	656	56	528	100	708	100	484	100											
b. College or university courses for credit	hdc11num	0	0	303	43	183	35	208	30	202	41													
		1.5	1-2	352	30	173	33	228	33	123	26													
		3.5	3-4	195	17	94	14	101	19	151	22	44	9											
		5.5	5-6	69	6	33	5	36	7	58	8	11	2	1.6	2.1 ***	-.23	2.4	1.0 ***	.64					
		7.5	7-8	29	2	17	3	12	2	26	4	2	0											
		9.5	9-10	14	1	3	0	11	2	13	2	1	0											
		11.5	11 or more	19	2	9	1	10	2	14	2	5	1											
		Total		1,181	100	651	100	526	100	698	100	478	100											
c. International Baccalaureate (IB)	hib11num	0	0	1,115	99	615	99	496	98	655	98	455	99											
		1.5	1-2	7	1	3	0	4	1	5	1	2	0											
		3.5	3-4	4	0	3	0	1	0	3	0	1	0											
		5.5	5-6	4	0	2	0	2	0	1	0	3	1	.0	1	-.04	.0	.0	.01					
		7.5	7-8	0	0	0	0	0	0	0	0	0	0											
		9.5	9-10	1	0	0	0	1	0	1	0	0	0											
		11.5	11 or more	0	0	0	0	0	0	0	0	0	0											
		Total		1,131	100	623	100	504	100	665	100	461	100											
7. During your last year of high school, about how many papers, reports, or other writing tasks of the following length did you complete?																								
a. Up to 5 pages	hvrstr1num	0	None	154	13	102	15	52	10	81	11	72	14											
		1.5	1-2	382	31	205	30	175	32	220	31	160	32											
		4	3-5	375	31	213	31	160	29	212	29	162	32											
		8	6-10	186	15	97	14	89	16	116	16	69	14	4.3	5.0 *	-.14	5.0	4.2 **	.16					
		13	11-15	71	6	33	5	38	7	53	7	18	4											
		18	16-20	25	2	15	2	10	2	17	2	8	2											
		23	More than 20	36	3	17	2	19	3	21	3	15	3											
		Total		1,229	100	682	100	543	100	720	100	504	100											

- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. Effect sizes for independent t -tests use Cohen's d ; z -tests use Cohen's h . Cohen's d is calculated by dividing the mean difference by the pooled standard deviation. Cohen's h is calculated by taking the difference in the proportion of students who selected the item after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons					
				All Students			First-Generation ^a		Self-Reported HS Grades				First-Generation		Self-Reported HS Grades				
				Count	%	Mean	Count	%	Yes	No	A- or higher	B+ or lower	Yes	No	ES	A- or higher	B+ or lower	ES	
6. During high school, how many of the following types of classes did you complete?																			
a. Advanced Placement (AP) classes	hapcl3num	0 0		85	9		33	8	18	9	59	9	26	7					
	<i>(Recoded version of hapcl3 created by BCSSE. Values are estimated number of AP classes.)</i>	1.5 1-2		299	30		136	33	56	28	180	29	118	32					
		3.5 3-4		269	27	3.6	107	26	49	25	164	26	104	28					
		5.5 5-6		214	21		88	21	44	22	140	22	74	20	3.6	3.9	-.10	3.7	3.5
		7.5 7-8		89	9		39	9	21	11	56	9	33	9					
		9.5 9-10		34	3		9	2	11	6	26	4	8	2					
		11.5 11 or more		7	1		5	1	1	1	5	1	2	1					
		Total		997	100		417	100	200	100	630	100	365	100					
b. College or university courses for credit	hdc17num	0 0		533	57		222	55	116	60	326	55	206	60					
	<i>(Recoded version of hdc17 created by BCSSE. Values are estimated number of dual credit classes.)</i>	1.5 1-2		248	26		111	28	37	19	165	28	82	24					
		3.5 3-4		87	9	1.3	37	9	17	9	62	10	25	7					
		5.5 5-6		31	3		10	2	11	6	20	3	11	3	1.4	1.5	-.03	1.4	1.3
		7.5 7-8		17	2		8	2	5	3	8	1	9	3					
		9.5 9-10		6	1		3	1	1	1	3	1	3	1					
		11.5 11 or more		21	2		10	2	5	3	13	2	8	2					
		Total		943	100		401	100	192	100	597	100	344	100					
c. International Baccalaureate (IB)	hib17num	0 0		845	90		362	91	163	87	539	90	304	89					
	<i>(Recoded version of hib17 created by BCSSE. Values are estimated number of international baccalaureate classes.)</i>	1.5 1-2		36	4		13	3	10	5	19	3	17	5					
		3.5 3-4		18	2	0.4	10	3	4	2	11	2	7	2					
		5.5 5-6		21	2		6	2	5	3	14	2	7	2	.4	.6	-.09	.4	.4
		7.5 7-8		11	1		5	1	1	1	8	1	3	1					
		9.5 9-10		4	0		2	1	2	1	2	0	2	1					
		11.5 11 or more		4	0		2	1	2	1	3	1	1	0					
		Total		939	100		400	100	187	100	596	100	341	100					
7. During your last year of high school, about how many papers, reports, or other writing tasks of the following length did you complete?																			
a. Up to 5 pages	hwrshtrnum	0 None		80	8		40	10	12	6	50	8	30	8					
	<i>(Recoded version of hWRshrt created by BCSSE. Values are estimated number of papers, reports, etc.)</i>	1.5 1-2		213	22		95	23	48	24	125	20	87	24					
		4 3-5		358	36	6.1	150	36	81	41	227	37	131	36					
		8 6-10		178	18		77	18	24	12	114	18	63	17	5.7	6.4	-.12	6.2	5.9
		13 11-15		57	6		25	6	6	3	44	7	13	4					
		18 16-20		32	3		15	4	9	5	20	3	12	3					
		23 More than 20		64	7		19	5	20	10	39	6	25	7					
		Total		982	100		421	100	200	100	619	100	361	100					
b. Between 6 and 10 pages	hwrmdnum	0 None		376	40		175	43	78	40	227	38	148	43					

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons						
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean
	(Recoded version of hWRmd created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	315	34		137	34	70	36	200	34	114	33						
		4	3-5	162	17		62	15	30	15	110	18	52	15						
		8	6-10	53	6	2.3	17	4	8	4	39	7	14	4	2.1	2.3	-.05	2.3	2.2	.02
		13	11-15	16	2		6	1	6	3	10	2	6	2						
		18	16-20	8	1		5	1	2	1	5	1	3	1						
		23	More than 20	10	1		4	1	2	1	4	1	6	2						
	Total			940	100		406	100	196	100	595	100	343	100						
c. 11 pages or more	hwrlngnum	0	None	668	71		295	73	145	74	404	68	262	76						
	(Recoded version of hWRlng created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	199	21		80	20	37	19	143	24	56	16						
		4	3-5	44	5		20	5	10	5	27	5	17	5						
		8	6-10	18	2	0.9	7	2	2	1	13	2	5	1	.7	.8	-.01	.9	.7	.09
		13	11-15	5	1		2	0	1	1	2	0	3	1						
		18	16-20	2	0		1	0	0	0	2	0	0	0						
		23	More than 20	4	0		0	0	1	1	3	1	1	0						
	Total			940	100		405	100	196	100	594	100	344	100						
8. During your last year of high school, about how many hours did you spend in a typical 7-day week doing the following?																				
a. Preparing for class (studying, reading, doing homework, etc.)	hacadpr13hrs	0	0	19	2		2	0	3	1	8	1	11	3						
	(Recoded version of hacadpr13 created by BCSSE. Values are estimated number of hours)	3	1-5	337	35		145	34	66	33	197	33	139	39						
		8	6-10	290	30		134	32	56	28	176	29	114	32						
		13	11-15	127	13		59	14	41	20	94	16	32	9						
		18	16-20	92	10	9.4	39	9	18	9	61	10	31	9	9.7	9.6	.01	10.0	8.5 **	.21
		23	21-25	47	5		23	5	11	5	33	6	14	4						
		28	26-30	16	2		8	2	3	1	14	2	2	1						
		33	More than 30	24	3		11	3	3	1	15	3	9	3						
	Total			952	100		421	100	201	100	598	100	352	100						
b. Working for pay	hworkhrs	0	0	569	60		259	62	121	61	357	60	210	59						
	(Recoded version of hworkhrs created by BCSSE. Values are estimated number of hours)	3	1-5	69	7		29	7	9	5	46	8	23	6						
		8	6-10	72	8		30	7	20	10	49	8	23	6						
		13	11-15	75	8		29	7	23	12	39	7	36	10						
		18	16-20	79	8	5.8	31	7	14	7	53	9	26	7	5.6	5.4	.02	5.7	6.0	-.04
		23	21-25	41	4		22	5	7	4	24	4	17	5						
		28	26-30	29	3		15	4	2	1	14	2	15	4						
		33	More than 30	17	2		5	1	4	2	13	2	4	1						
	Total			951	100		420	100	200	100	595	100	354	100						
c. Participating in co-curricular activities	hcocurrhrs	0	0	117	12		46	11	25	12	67	11	50	14						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

				Frequency Distributions								Statistical Comparisons									
				All Students				First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
Item wording or description	Variable name	Values ^c	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES	
curricular activities (organizations, school publications, student government, sports, etc.)	<i>(Recorded version of hcurrhrs created by BCSSE. Values are estimated number of hours)</i>	3	1-5	243	26		125	30	51	25	141	24	101	29							
		8	6-10	186	20		89	21	29	14	115	19	71	21							
		13	11-15	155	17		66	16	39	19	105	18	49	14							
		18	16-20	103	11	10.7	44	10	31	15	67	11	36	10	10.0	10.9	-.10	11.4	9.4 **	.21	
		23	21-25	43	5		16	4	9	4	29	5	14	4							
		28	26-30	21	2		6	1	4	2	14	2	7	2							
		33	More than 30	71	8		29	7	13	6	53	9	18	5							
			Total	939	100		421	100	201	100	591	100	346	100							
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	<i>(Recorded version of hsocial13hrs created by BCSSE. Values are estimated number of hours)</i>	0	0	8	1		2	0	1	1	3	1	5	1							
		3	1-5	257	27		130	31	45	23	167	28	90	26							
		8	6-10	278	30		128	30	53	27	175	30	102	30							
		13	11-15	169	18		76	18	50	25	112	19	57	17							
		18	16-20	106	11	11.3	36	9	24	12	61	10	44	13	10.6	12.1 *	-.17	11.0	11.6	-.07	
		23	21-25	34	4		15	4	7	4	24	4	10	3							
		28	26-30	18	2		7	2	4	2	11	2	7	2							
		33	More than 30	65	7		27	6	15	8	36	6	29	8							
	Total	935	100		421	100	199	100	589	100	344	100									
9. During your last year of high school, of the time you spent preparing for class in a typical 7-day week, about how much was on assigned reading?																					
	htmread14	1	Very little	151	16		53	13	37	19	94	16	57	17							
		2	Some	366	39		161	38	84	42	225	39	141	41							
		3	About half	265	29	2.5	128	30	54	27	164	28	99	29	2.6	2.3 **	.24	2.5	2.4	.09	
		4	Most	119	13		67	16	20	10	82	14	37	11							
		5	Almost all	26	3		11	3	4	2	18	3	8	2							
		Total		927	100		420	100	199	100	583	100	342	100							
10. During your last year of high school, about how often did you do the following?																					
a. Came to class without completing readings or assignments	hunprepard	1	Never	352	38		166	39	80	40	247	43	105	31							
		2	Sometimes	465	51		216	51	101	50	274	47	189	56							
		3	Often	72	8	1.8	27	6	14	7	43	7	29	9	1.7	1.7	.00	1.7	1.9 **	-.22	
		4	Very often	29	3		13	3	6	3	15	3	14	4							
			Total	918	100		422	100	201	100	579	100	337	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	hdrafting	1	Never	127	14		51	12	37	19	63	11	64	19							
		2	Sometimes	404	45		175	42	90	45	253	45	149	45							
		3	Often	295	33	2.4	154	37	59	30	203	36	92	28	2.4	2.2 **	.24	2.4	2.3 **	.19	
		4	Very often	78	9		41	10	13	7	49	9	29	9							
			Total	904	100		421	100	199	100	568	100	334	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons								
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades				
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
c. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	hQRconclud	1	Never	72	8		29	7	22	11	45	8	26	8								
		2	Sometimes	332	37		168	40	61	30	197	35	135	41								
		3	Often	338	38	2.6	162	38	72	36	216	39	121	36	2.6	2.7	-.11	2.7	2.6	.09		
		4	Very often	153	17		62	15	46	23	102	18	51	15								
		Total		895	100		421	100	201	100	560	100	333	100								
d. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	hQRproblm	1	Never	107	12		51	12	26	13	61	11	46	14								
		2	Sometimes	353	40		172	41	76	38	231	42	121	37								
		3	Often	300	34	2.5	142	34	66	33	181	33	118	36	2.5	2.5	-.05	2.5	2.5	.03		
		4	Very often	128	14		56	13	33	16	83	15	45	14								
		Total		888	100		421	100	201	100	556	100	330	100								
e. Evaluated what others have concluded from numerical information	hQRrevaluat	1	Never	116	13		54	13	29	15	70	13	46	14								
		2	Sometimes	391	45		184	44	81	41	244	44	146	46								
		3	Often	285	32	2.4	143	34	63	32	187	34	97	30	2.4	2.4	-.07	2.4	2.3	.07		
		4	Very often	85	10		34	8	27	14	55	10	30	9								
		Total		877	100		415	100	200	100	556	100	319	100								
f. Identified key information from reading assignments	hLSreading	1	Never	21	2		8	2	3	2	14	3	7	2								
		2	Sometimes	210	24		95	23	43	22	127	23	82	25								
		3	Often	419	48	3.0	206	49	96	48	262	47	156	48	3.0	3.0	-.05	3.0	2.9	.06		
		4	Very often	227	26		112	27	57	29	150	27	77	24								
		Total		877	100		421	100	199	100	553	100	322	100								
g. Reviewed your notes after class	hLSnotes	1	Never	37	4		14	3	9	5	19	3	18	6								
		2	Sometimes	299	34		133	32	70	35	179	32	119	37								
		3	Often	345	39	2.8	174	41	73	37	223	40	121	38	2.9	2.8	.06	2.8	2.7 *	.15		
		4	Very often	195	22		99	24	48	24	131	24	64	20								
		Total		876	100		420	100	200	100	552	100	322	100								
h. Summarized what you learned in class or from course materials	hLSsumry	1	Never	48	6		18	4	12	6	26	5	22	7								
		2	Sometimes	297	34		147	35	60	31	178	33	119	37								
		3	Often	349	40	2.7	171	41	75	38	227	41	120	38	2.8	2.8	-.07	2.8	2.7 *	.14		
		4	Very often	174	20		83	20	49	25	116	21	58	18								
		Total		868	100		419	100	196	100	547	100	319	100								
i. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	hridivers	1	Never	78	9		38	9	13	7	51	9	27	8								
		2	Sometimes	314	36		149	35	77	39	198	36	116	36								
		3	Often	298	34	2.7	143	34	63	32	197	36	100	31	2.7	2.7	-.02	2.6	2.7	-.07		
		4	Very often	182	21		92	22	44	22	104	19	77	24								
		Total		872	100		422	100	197	100	550	100	320	100								

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

				Frequency Distributions										Statistical Comparisons								
				All Students				First-Generation ^a		Self-Reported HS Grades				First-Generation			Self-Reported HS Grades					
Item wording or description	Variable name	Values ^c	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES		
j. Examined the strengths and weaknesses of your own views on a topic or issue	hriownview	1	Never	41	5		25	6	3	2	26	5	15	5								
		2	Sometimes	268	31		121	29	67	34	163	30	105	33								
		3	Often	373	43	2.8	188	45	77	39	244	45	127	40	2.8	2.9	-.10	2.8	2.8	.00		
		4	Very often	181	21		86	20	50	25	109	20	72	23								
		Total		863	100		420	100	197	100	542	100	319	100								
k. Tried to better understand someone else's views by imagining how an issue looks from their perspective	hriperspct	1	Never	24	3		11	3	2	1	14	3	10	3								
		2	Sometimes	188	22		86	20	52	26	108	20	80	25								
		3	Often	387	45	3.0	191	45	82	42	246	45	139	44	3.1	3.0	.04	3.1	3.0 *	.14		
		4	Very often	264	31		133	32	61	31	176	32	88	28								
		Total		863	100		421	100	197	100	544	100	317	100								
11. During your last year of high school, how involved were you in the following activities at your school or elsewhere?																						
a. Performing or visual arts programs (band, chorus, theater, art, etc.)	hinvars	1	Not at all	305	35		149	35	66	33	207	38	97	31								
		2	Very little	149	17		76	18	37	19	89	16	60	19								
		3	Some	129	15	2.7	63	15	30	15	82	15	47	15	2.6	2.7	-.07	2.6	2.8	-.12		
		4	Quite a bit	99	11		52	12	20	10	57	10	41	13								
		5	Very much	181	21		81	19	47	24	110	20	71	22								
		Total		863	100		421	100	200	100	545	100	316	100								
b. Athletic teams (varsity, JV, club sport, etc.)	hinvathl	1	Not at all	325	38		172	41	71	36	196	36	129	41								
		2	Very little	89	10		47	11	18	9	56	10	33	10								
		3	Some	107	12	2.8	58	14	21	11	60	11	46	15	2.6	3.0 *	-.19	2.9	2.7 *	.14		
		4	Quite a bit	109	13		48	11	27	14	76	14	32	10								
		5	Very much	232	27		96	23	63	32	157	29	75	24								
		Total		862	100		421	100	200	100	545	100	315	100								
c. Student government	hstugov	1	Not at all	576	67		274	65	145	73	350	64	224	71								
		2	Very little	98	11		54	13	21	11	63	12	35	11								
		3	Some	75	9	1.8	36	9	16	8	49	9	26	8	1.8	1.6 *	.18	1.8	1.6 *	.17		
		4	Quite a bit	45	5		24	6	6	3	33	6	12	4								
		5	Very much	66	8		34	8	11	6	48	9	18	6								
		Total		860	100		422	100	199	100	543	100	315	100								
d. Publications (student newspaper, yearbook, etc.)	hinvpubs	1	Not at all	656	76		329	78	159	80	411	76	243	77								
		2	Very little	81	9		37	9	15	8	53	10	28	9								
		3	Some	54	6	1.5	18	4	14	7	34	6	20	6	1.5	1.4	.08	1.5	1.5	.04		
		4	Quite a bit	31	4		13	3	7	4	20	4	11	4								
		5	Very much	36	4		25	6	5	3	24	4	12	4								
		Total		858	100		422	100	200	100	542	100	314	100								

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

		Frequency Distributions												Statistical Comparisons						
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean
e Academic clubs or honor societies	hinvhon13	1	Not at all	285	33	2.7	128	31	81	41	155	29	129	41	2.8	2.4 **	.24	2.8	2.4 ***	.28
		2	Very little	110	13		54	13	30	15	79	15	31	10						
		3	Some	177	21		88	21	41	21	104	19	72	23						
		4	Quite a bit	136	16		80	19	18	9	92	17	44	14						
		5	Very much	143	17		68	16	30	15	108	20	35	11						
		Total		851	100		418	100	200	100	538	100	311	100						
f Vocational clubs (business, health, technology, etc.)	hinvvcl	1	Not at all	550	64	1.7	259	62	138	69	341	63	207	66	1.8	1.6	.16	1.8	1.7	.10
		2	Very little	120	14		61	14	27	14	78	14	42	13						
		3	Some	92	11		43	10	16	8	54	10	38	12						
		4	Quite a bit	44	5		31	7	8	4	31	6	13	4						
		5	Very much	50	6		27	6	11	6	37	7	13	4						
		Total		856	100		421	100	200	100	541	100	313	100						
g Religious youth groups	hrelgrp	1	Not at all	622	72	1.7	321	76	143	72	384	71	237	75	1.6	1.7	-.06	1.7	1.6	.07
		2	Very little	68	8		22	5	16	8	46	8	21	7						
		3	Some	63	7		27	6	15	8	44	8	19	6						
		4	Quite a bit	46	5		22	5	15	8	29	5	17	5						
		5	Very much	59	7		28	7	11	6	39	7	20	6						
		Total		858	100		420	100	200	100	542	100	314	100						
h Community service or volunteer work	hvolntr	1	Not at all	92	11	3.5	43	10	19	10	56	10	36	12	3.5	3.5	.03	3.5	3.4	.06
		2	Very little	94	11		44	10	26	13	56	10	38	12						
		3	Some	223	26		115	27	52	26	149	27	73	23						
		4	Quite a bit	211	25		97	23	48	24	123	23	87	28						
		5	Very much	239	28		123	29	55	28	160	29	79	25						
		Total		859	100		422	100	200	100	544	100	313	100						

12. During your last year of high school, to what extent did your course challenge you to do your best work?

hchallenge	Values ^c	Response options	All Students	First-Generation ^a	Self-Reported HS Grades	First-Generation	Self-Reported HS Grades								
			Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES	
1	Not at all	5.0	4	0	2	0	1	1	3	1	1	0	0		
2			12	1	4	1	6	3	7	1	5	2			
3			58	7	19	5	16	8	37	7	21	7			
4			178	21	88	21	37	19	115	21	63	20	5.1	4.9 *	.20
5			353	41	179	43	92	46	207	38	144	46			
6			146	17	75	18	31	16	92	17	54	17			
7	Very much		105	12	53	13	16	8	79	15	26	8			
Total			856	100	420	100	199	100	540	100	314	100			

13. During the coming school year, about how many hours do you expect to spend in a typical 7-day week doing the following?

a. Preparing for class	cacadpr13hrs	0	0	3	0	1	0	1	1	3	1	0	0
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*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

		Frequency Distributions										Statistical Comparisons											
Item wording or description	Variable name	Values ^c	Response options	All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades					
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES	
(studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	<i>(Recoded version of cacadpr13 created by BCSSE. Values are estimated number of hours)</i>	3	1-5	89	12		50	12	22	11	48	10	40	14									
		8	6-10	176	23		102	24	34	17	105	22	71	25									
		13	11-15	160	21		79	19	60	30	104	22	55	20									
		18	16-20	173	23	14.5	103	25	39	20	115	24	58	21	14.5	14.8	-.04	14.9	13.9	.12			
		23	21-25	86	11		44	11	24	12	52	11	34	12									
		28	26-30	36	5		20	5	8	4	22	5	14	5									
		33	More than 30	34	4		19	5	10	5	25	5	9	3									
			Total	757	100		418	100	198	100	474	100	281	100									
b. Working for pay on- or off-campus	<i>(Recoded version of cworkhrs created by BCSSE. Values are estimated number of hours)</i>	0	0	213	28		115	28	57	29	129	27	83	30									
		3	1-5	74	10		41	10	18	9	44	9	30	11									
		8	6-10	113	15		56	13	32	16	75	16	37	13									
		13	11-15	120	16		71	17	37	19	72	15	48	17									
		18	16-20	130	17	10.2	73	18	31	16	90	19	40	14	10.5	9.6	.10	10.3	10.0	.04			
		23	21-25	59	8		32	8	17	9	34	7	25	9									
		28	26-30	29	4		20	5	3	2	15	3	14	5									
		33	More than 30	14	2		8	2	2	1	11	2	3	1									
	Total	752	100		416	100	197	100	470	100	280	100											
c. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	<i>(Recoded version of ccocurrhrs created by BCSSE. Values are estimated number of hours)</i>	0	0	101	13		58	14	23	12	51	11	50	18									
		3	1-5	216	29		122	29	54	27	135	29	79	28									
		8	6-10	210	28		114	27	68	34	143	31	67	24									
		13	11-15	111	15		63	15	30	15	71	15	40	14									
		18	16-20	65	9	8.3	35	8	14	7	41	9	24	9	8.1	8.1	.00	8.5	8.0	.06			
		23	21-25	24	3		14	3	6	3	13	3	11	4									
		28	26-30	6	1		4	1	1	1	3	1	3	1									
		33	More than 30	16	2		6	1	3	2	11	2	5	2									
	Total	749	100		416	100	199	100	468	100	279	100											
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	<i>(Recoded version of csocial13hrs created by BCSSE. Values are estimated number of hours)</i>	0	0	13	2		9	2	2	1	8	2	5	2									
		3	1-5	209	28		123	30	49	25	127	27	82	30									
		8	6-10	232	31		140	34	54	27	146	31	85	31									
		13	11-15	145	20		78	19	51	26	91	20	53	19									
		18	16-20	93	13	10.1	44	11	25	13	60	13	33	12	9.4	11.0 **	-.23	10.3	9.7	.08			
		23	21-25	22	3		9	2	8	4	13	3	9	3									
		28	26-30	6	1		5	1	0	0	4	1	2	1									
		33	More than 30	23	3		8	2	9	5	17	4	6	2									
	Total	743	100		416	100	198	100	466	100	275	100											

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons							
				All Students			First-Generation ^a		Self-Reported HS Grades				First-Generation			Self-Reported HS Grades					
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean
14. During the coming school year, of the time you expect to spend preparing for class in a typical 7-day week, about how much will be on assigned reading?																					
	ctmread17	1	Very little	45	6			19	5	15	8	22	5	23	8						
		2	Some	163	22			88	21	54	27	105	23	58	21						
		3	About half	251	34	3.1		134	32	66	34	162	35	88	32	3.2	2.9 **	.27	3.1	3.1	.05
		4	Most	222	30			138	33	55	28	137	30	84	31						
		5	Almost all	51	7			34	8	7	4	32	7	19	7						
		Total		732	100			413	100	197	100	458	100	272	100						
15. During the coming school year, about how often do you expect to do the following?																					
a. Ask another student to help you understand course material	cCLaskhlp	1	Never	6	1			1	0	2	1	5	1	1	0						
		2	Sometimes	268	37			142	34	86	43	167	36	100	37						
		3	Often	315	43	2.8		188	45	77	39	202	44	112	41	2.9	2.7 *	.20	2.8	2.8	-.06
		4	Very often	144	20			85	20	33	17	85	19	59	22						
		Total		733	100			416	100	198	100	459	100	272	100						
b. Explain course material to one or more students	cCLxplain	1	Never	14	2			7	2	3	2	10	2	4	1						
		2	Sometimes	296	41			179	43	79	40	179	40	116	43						
		3	Often	320	44	2.7		174	42	93	47	206	45	113	42	2.7	2.7	-.02	2.7	2.7	.01
		4	Very often	96	13			56	13	23	12	58	13	38	14						
		Total		726	100			416	100	198	100	453	100	271	100						
c. Prepare for exams by discussing or working through course material with other students	cCLstudy	1	Never	14	2			8	2	3	2	8	2	6	2						
		2	Sometimes	175	24			94	23	49	25	103	23	72	27						
		3	Often	345	47	3.0		195	47	97	49	222	49	122	45	3.0	3.0	.08	3.0	2.9	.08
		4	Very often	193	27			119	29	48	24	122	27	70	26						
		Total		727	100			416	100	197	100	455	100	270	100						
d. Work with other students on course projects or assignments	cCLproject	1	Never	8	1			4	1	2	1	5	1	3	1						
		2	Sometimes	182	25			106	26	52	26	114	25	68	25						
		3	Often	351	49	3.0		193	47	93	47	217	48	133	50	3.0	3.0	.02	3.0	3.0	.03
		4	Very often	182	25			111	27	51	26	117	26	64	24						
		Total		723	100			414	100	198	100	453	100	268	100						
e. Talk about career plans with a faculty member	cSFcareer	1	Never	24	3			7	2	8	4	13	3	11	4						
		2	Sometimes	236	33			129	31	74	38	146	32	90	34						
		3	Often	300	41	2.8		168	41	84	43	186	41	112	42	2.9	2.7 **	.28	2.9	2.8	.10
		4	Very often	163	23			110	27	31	16	109	24	54	20						
		Total		723	100			414	100	197	100	454	100	267	100						
f. Work with a faculty member on activities other than coursework	cSFothrwrk	1	Never	62	9			29	7	18	9	35	8	27	10						
		2	Sometimes	328	45			176	43	102	52	201	44	127	48						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions												Statistical Comparisons						
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades				
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
g Other than coursework (committees, student groups, etc.)		3	Often	234	32	2.5	146	35	54	27	156	34	76	28	2.6	2.4 *	.21	2.5	2.5	.09		
		4	Very often	98	14		63	15	23	12	61	13	37	14								
		Total		722	100		414	100	197	100	453	100	267	100								
g Discuss your academic performance with a faculty member	cSFprform	1	Never	23	3		4	1	10	5	14	3	9	3								
		2	Sometimes	269	38		156	38	81	42	157	35	111	42								
		3	Often	292	41	2.7	170	41	72	37	204	45	87	33	2.8	2.6 *	.20	2.8	2.7	.02		
		4	Very often	133	19		83	20	32	16	74	16	59	22								
		Total		717	100		413	100	195	100	449	100	266	100								
h Discuss course topics, ideas, or concepts with a faculty member outside of class	cSFdiscuss	1	Never	51	7		26	6	15	8	29	6	22	8								
		2	Sometimes	323	45		177	43	104	53	196	43	126	48								
		3	Often	241	34	2.5	147	36	53	27	159	35	81	31	2.6	2.4 *	.19	2.6	2.5	.12		
		4	Very often	102	14		63	15	25	13	67	15	35	13								
		Total		717	100		413	100	197	100	451	100	264	100								
i Prepare two or more drafts of a paper or assignment before turning it in	cdrafting	1	Never	31	4		11	3	10	5	18	4	13	5								
		2	Sometimes	243	34		131	31	81	41	142	32	100	37								
		3	Often	317	44	2.8	193	46	76	39	209	46	107	40	2.8	2.6 **	.24	2.8	2.7	.09		
		4	Very often	130	18		81	19	30	15	81	18	49	18								
		Total		721	100		416	100	197	100	450	100	269	100								
j Come to class without completing readings or assignments	cunprepard	1	Never	413	58		239	58	119	60	268	60	145	55								
		2	Sometimes	218	30		124	30	60	30	127	28	89	33								
		3	Often	57	8	1.6	32	8	13	7	39	9	18	7	1.6	1.5	.08	1.6	1.6	-.08		
		4	Very often	30	4		19	5	6	3	16	4	14	5								
		Total		718	100		414	100	198	100	450	100	266	100								

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

a. People of a race or ethnicity other than your own	cDVrace	1	Never	11	2		7	2	3	2	8	2	3	1							
		2	Sometimes	125	18		69	17	36	18	76	17	47	18							
		3	Often	310	44	3.2	192	46	80	40	199	45	111	42	3.2	3.2	-.04	3.1	3.2	-.06	
		4	Very often	259	37		147	35	79	40	156	36	103	39							
		Total		705	100		415	100	198	100	439	100	264	100							
b. People from an economic background other than your own	cDVeconomic	1	Never	12	2		9	2	1	1	8	2	4	2							
		2	Sometimes	134	19		82	20	33	17	79	18	53	20							
		3	Often	316	45	3.1	185	45	89	45	200	46	116	44	3.1	3.2	-.15	3.1	3.1	.02	
		4	Very often	242	34		138	33	75	38	151	34	91	34							
		Total		704	100		414	100	198	100	438	100	264	100							
c. People with religious ...	cDVreligion	1	Never	22	3		16	4	4	2	12	3	10	4							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions												Statistical Comparisons					
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean
beliefs other than your own		2	Sometimes	148	21	3.1	88	21	35	18	89	20	57	22	3.0	3.1	-.14	3.1	3.1	.01	
		3	Often	299	43		175	42	87	44	194	44	105	40							
		4	Very often	234	33		134	32	72	36	142	32	92	35							
		Total	703	100	413		100	198	100	437	100	264	100								
d. People with political views other than your own	cDVpolitical	1	Never	22	3	3.0	18	4	2	1	17	4	5	2	3.0	3.1	-.11	3.0	3.0	-.06	
		2	Sometimes	176	25		100	24	49	25	108	25	67	25							
		3	Often	290	41		173	42	81	41	181	41	108	41							
		4	Very often	217	31		125	30	66	33	133	30	84	32							
Total	705	100	416	100	198	100	439	100	264	100											
17. During the coming school year, how certain are you that you will do the following?																					
a. Study when there are other interesting things to do	cotherint	1	Not at all certain	9	1	4.2	5	1	0	0	5	1	4	2	4.1	4.2	-.05	4.2	4.1	.10	
		2		25	4		18	4	5	3	17	4	8	3							
		3		135	20		82	20	43	22	77	18	58	22							
		4		282	41		163	39	87	44	174	41	106	40							
		5		160	23		108	26	34	17	98	23	62	24							
		6	Very certain	81	12		40	10	28	14	57	13	24	9							
Total		692	100	416	100	197	100	428	100	262	100										
b. Find additional information for course assignments when you don't understand the material	cfindinfo	1	Not at all certain	7	1	4.7	4	1	0	0	5	1	2	1	4.7	4.8	-.06	4.8	4.7	.04	
		2		12	2		9	2	3	2	7	2	5	2							
		3		59	9		35	8	14	7	35	8	24	9							
		4		187	27		103	25	61	31	118	28	67	26							
		5		240	35		160	38	63	32	140	33	100	38							
		6	Very certain	187	27		105	25	57	29	124	29	63	24							
Total		692	100	416	100	198	100	429	100	261	100										
c. Participate regularly in course discussions, even when you don't feel like it	ccourdis	1	Not at all certain	14	2	4.1	5	1	3	2	8	2	6	2	4.1	4.1	-.05	4.1	4.0	.15	
		2		46	7		29	7	14	7	23	5	21	8							
		3		157	23		104	25	35	18	96	23	61	23							
		4		234	34		130	31	75	38	141	33	93	36							
		5		137	20		86	21	42	21	87	21	50	19							
		6	Very certain	95	14		59	14	27	14	66	16	29	11							
Total		683	100	413	100	196	100	421	100	260	100										
d. Ask instructors for help when you struggle with course assignments	caskinst	1	Not at all certain	6	1	4.7	3	1	1	1	4	1	2	1	4.7	4.6	.01	4.7	4.6	.03	
		2		20	3		11	3	6	3	13	3	7	3							
		3		81	12		54	13	18	9	50	12	30	12							
		4		185	27		107	26	63	32	105	25	79	31							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons						
				All Students			First-Generation ^a		No		Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean
		5		195	29		122	29	55	28	128	30	67	26						
		6	Very certain	197	29		118	28	52	27	123	29	74	29						
		Total		684	100		415	100	195	100	423	100	259	100						
e. Finish something you have started when you encounter challenges	cfinish	1	Not at all certain	2	0		1	0	0	0	1	0	1	0						
		2		10	1		8	2	1	1	7	2	3	1						
		3		68	10		44	11	14	7	43	10	25	10						
		4		206	30	4.7	118	29	64	33	123	29	82	31	4.7	4.8	-.10	4.7	4.7	-.02
		5		210	31		130	31	60	31	135	32	74	28						
		6	Very certain	188	27		113	27	57	29	112	27	76	29						
		Total		684	100		414	100	196	100	421	100	261	100						
f. Stay positive, even when you do poorly on a test or assignment	ctestaypos	1	Not at all certain	10	1		4	1	1	1	4	1	6	2						
		2		26	4		18	4	7	4	16	4	10	4						
		3		113	17		66	16	32	16	73	17	40	15						
		4		202	30	4.4	123	30	58	29	126	30	75	29	4.5	4.5	-.03	4.4	4.4	.00
		5		164	24		98	24	50	25	98	23	66	25						
		6	Very certain	169	25		106	26	49	25	104	25	64	25						
		Total		684	100		415	100	197	100	421	100	261	100						

18. During the coming school year, how difficult do you expect the following to be?

a. Learning course material	clearmma	1	Not at all difficult	7	1		3	1	2	1	5	1	2	1						
		2		28	4		18	4	8	4	19	5	9	3						
		3		119	17		66	16	39	20	86	21	33	13						
		4		282	41	4.2	168	40	86	44	175	42	106	41	4.2	4.1 *	.17	4.1	4.3 **	-.24
		5		171	25		111	27	50	25	94	22	76	29						
		6	Very difficult	74	11		49	12	12	6	40	10	34	13						
		Total		681	100		415	100	197	100	419	100	260	100						
b. Managing your time	cmantime	1	Not at all difficult	10	1		7	2	2	1	7	2	3	1						
		2		44	6		27	6	14	7	35	8	9	3						
		3		120	18		72	17	30	15	81	19	38	15						
		4		187	27	4.3	117	28	52	26	114	27	73	28	4.3	4.4	-.06	4.2	4.5 **	-.23
		5		191	28		114	27	61	31	105	25	85	33						
		6	Very difficult	130	19		79	19	38	19	77	18	53	20						
		Total		682	100		416	100	197	100	419	100	261	100						
c. Paying college or university expenses	cpaycoll	1	Not at all difficult	33	5		11	3	17	9	19	5	14	5						
		2		55	8		29	7	23	12	34	8	21	8						
		3		112	16		63	15	37	19	70	17	41	16						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons							
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Mean	Mean	ES	A- or higher		B+ or lower	
		4		150	22	4.3	91	22	47	24	98	24	52	20	4.5	3.9	***	.41	4.3	4.3	-.03
		5		150	22		96	23	37	19	87	21	62	24							
		6	Very difficult	180	26		125	30	35	18	109	26	71	27							
		Total		680	100		415	100	196	100	417	100	261	100							
d. Getting help with school work	cgethelp	1	Not at all difficult	39	6		23	6	11	6	29	7	10	4							
		2		117	17		66	16	39	20	75	18	42	16							
		3		222	33		122	29	76	39	145	35	76	29							
		4		195	29	3.4	131	32	48	25	106	25	88	34	3.4	3.2	**	.23	3.3	3.5	*
		5		73	11		52	13	14	7	42	10	31	12							
		6	Very difficult	33	5		21	5	7	4	20	5	13	5							
		Total		679	100		415	100	195	100	417	100	260	100							
e. Making new friends	cmakefr	1	Not at all difficult	62	9		34	8	25	13	35	8	27	10							
		2		121	18		72	17	37	19	78	19	42	16							
		3		153	22		83	20	47	24	98	24	55	21							
		4		186	27	3.5	118	28	52	26	117	28	69	26	3.6	3.3	*	.22	3.5	3.5	-.05
		5		91	13		64	15	21	11	47	11	44	17							
		6	Very difficult	68	10		44	11	15	8	42	10	25	10							
		Total		681	100		415	100	197	100	417	100	262	100							
f. Interacting with faculty	cintfac	1	Not at all difficult	56	8		30	7	21	11	33	8	23	9							
		2		114	17		70	17	36	18	73	17	41	16							
		3		196	29		111	27	61	31	122	29	73	28							
		4		194	28	3.4	122	29	52	26	131	31	62	24	3.4	3.2	*	.21	3.3	3.4	-.09
		5		86	13		57	14	21	11	39	9	47	18							
		6	Very difficult	37	5		26	6	6	3	22	5	15	6							
		Total		683	100		416	100	197	100	420	100	261	100							

19. During the coming school year, about how often do you expect to seek help with coursework from the following sources?

a. Faculty members	cseekfac	1	Never	13	2		7	2	5	3	8	2	5	2							
		2	Sometimes	300	45		185	44	94	48	180	44	119	46							
		3	Often	259	39	2.7	164	39	73	37	148	37	110	42	2.7	2.6	.10	2.7	2.6	.12	
		4	Very often	94	14		60	14	24	12	69	17	25	10							
		Total		666	100		416	100	196	100	405	100	259	100							
b. Academic advisors	cseekaa	1	Never	9	1		5	1	3	2	7	2	2	1							
		2	Sometimes	231	35		133	32	81	41	132	33	98	38							
		3	Often	295	45	2.8	189	46	84	43	177	44	117	46	2.9	2.7	*	.20	2.9	2.7	.14
		4	Very often	125	19		84	20	29	15	87	22	38	15							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons						
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean
		Total		660	100		411	100	197	100	403	100	255	100						
c. Learning support services (tutoring, writing center, success coaching, etc.)	cseekls	1	Never	23	3		6	1	13	7	14	3	9	4						
		2	Sometimes	222	33		137	33	72	37	132	33	88	34						
		3	Often	285	43	2.8	180	43	79	40	170	42	115	45	2.9	2.7 **	.24	2.8	2.8	.08
		4	Very often	134	20		92	22	33	17	89	22	45	18						
		Total		664	100		415	100	197	100	405	100	257	100						
d. Friends or other students	cseekfrnd	1	Never	7	1		5	1	1	1	4	1	3	1						
		2	Sometimes	173	26		108	26	47	24	104	26	69	27						
		3	Often	332	50	3.0	210	50	95	48	200	49	131	51	2.9	3.0	-.12	3.0	2.9	.06
		4	Very often	154	23		93	22	54	27	98	24	55	21						
		Total		666	100		416	100	197	100	406	100	258	100						
e. Family members	cseekfam	1	Never	131	20		86	21	36	18	69	17	62	24						
		2	Sometimes	312	47		202	49	90	46	193	48	118	46						
		3	Often	159	24	2.2	92	22	53	27	96	24	62	24	2.2	2.3	-.10	2.3	2.1 *	.20
		4	Very often	62	9		35	8	18	9	46	11	16	6						
		Total		664	100		415	100	197	100	404	100	258	100						
f. Other persons or offices	cseekoth	1	Never	63	10		34	8	22	11	38	9	25	10						
		2	Sometimes	376	57		234	57	112	57	223	55	152	59						
		3	Often	178	27	2.3	116	28	50	26	107	27	70	27	2.3	2.3	.11	2.3	2.3	.13
		4	Very often	45	7		30	7	12	6	35	9	10	4						
		Total		662	100		414	100	196	100	403	100	257	100						

20. How prepared are you to do the following in your academic work at this institution?

a. Write clearly and effectively	cSGwrite	1	Not at all prepared	5	1		3	1	1	1	4	1	0	0						
		2		14	2		9	2	3	2	8	2	6	2						
		3		93	14		65	16	17	9	55	14	38	15						
		4		244	37	4.4	153	37	75	38	140	35	103	40	4.4	4.6 **	-.23	4.5	4.4	.10
		5		178	27		116	28	53	27	107	27	71	28						
		Total		654	100		413	100	197	100	397	100	255	100						
b. Speak clearly and effectively	cSGspeak	1	Not at all prepared	3	0		3	1	0	0	3	1	0	0						
		2		37	6		26	6	9	5	23	6	14	6						
		3		122	19		83	20	31	16	80	20	41	16						
		4		206	31	4.3	127	31	63	32	118	30	87	34	4.2	4.4 *	-.18	4.3	4.3	-.03
		5		180	28		115	28	53	27	106	27	74	29						
		Total		654	100		413	100	197	100	397	100	255	100						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons						
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	ES	Mean
		Total		654	100		415	100	196	100	399	100	253	100						
c. Think critically and analytically	cSGthink	1	Not at all prepared	3	0		2	0	0	0	2	1	1	0						
		2		10	2		6	1	3	2	6	2	4	2						
		3		88	13		60	14	22	11	47	12	40	16						
		4		239	37	4.5	156	38	65	33	146	37	92	36	4.4	4.7 **	-.25	4.5	4.4	.12
		5		204	31		135	33	56	28	122	31	82	32						
		6	Very prepared	110	17		56	13	51	26	75	19	35	14						
		Total		654	100		415	100	197	100	398	100	254	100						
d. Analyze numerical and statistical information	cSGanalyze	1	Not at all prepared	4	1		4	1	0	0	3	1	1	0						
		2		22	3		15	4	6	3	12	3	10	4						
		3		124	19		81	20	33	17	75	19	48	19						
		4		255	39	4.2	173	42	64	33	148	37	106	42	4.1	4.4 ***	-.30	4.3	4.2	.10
		5		168	26		104	25	53	27	106	27	62	25						
		6	Very prepared	79	12		37	9	40	20	54	14	25	10						
		Total		652	100		414	100	196	100	398	100	252	100						
e. Work effectively with others	cSGothers	1	Not at all prepared	2	0		2	0	0	0	2	1	0	0						
		2		9	1		7	2	2	1	6	2	3	1						
		3		72	11		52	13	11	6	44	11	26	10						
		4		192	30	4.7	114	28	62	31	114	29	78	31	4.6	4.8 *	-.18	4.7	4.6	.06
		5		213	33		137	33	65	33	116	29	97	38						
		6	Very prepared	162	25		101	24	57	29	112	28	50	20						
		Total		650	100		413	100	197	100	394	100	254	100						
f. Use computing and information technology	cgncompt13	1	Not at all prepared	4	1		3	1	1	1	3	1	1	0						
		2		22	3		16	4	5	3	13	3	9	4						
		3		112	17		69	17	33	17	78	20	33	13						
		4		217	33	4.4	132	32	69	35	123	31	93	37	4.4	4.4	-.05	4.4	4.4	-.05
		5		178	27		125	30	45	23	104	26	74	29						
		6	Very prepared	118	18		70	17	43	22	76	19	42	17						
		Total		651	100		415	100	196	100	397	100	252	100						
g. Learn effectively on your own	cgninq	1	Not at all prepared	4	1		4	1	0	0	4	1	0	0						
		2		10	2		6	1	2	1	5	1	5	2						
		3		100	15		70	17	23	12	58	15	41	16						
		4		208	32	4.5	139	34	56	29	122	31	85	34	4.4	4.7 **	-.27	4.5	4.4	.13
		5		207	32		126	31	68	35	120	30	87	35						
		6	Very prepared	119	18		68	16	47	24	86	22	33	13						

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons							
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES
		Total		648	100		413	100	196	100	395	100	251	100							
21. How important is it to you that your institution provides the following?																					
a. A challenging academic experience	cacadexp	1	Not important	6	1		4	1	2	1	5	1	1	0							
		2		8	1		5	1	2	1	4	1	4	2							
		3		96	15		62	15	28	14	57	15	39	15							
		4		265	41	4.4	163	39	89	45	169	43	95	38	4.4	4.3	.04	4.3	4.4	-.03	
		5		181	28		124	30	48	24	99	25	81	32							
		6	Very important	90	14		57	14	28	14	58	15	32	13							
		Total		646	100		415	100	197	100	392	100	252	100							
b. Support to help students succeed academically	cSEacad	1	Not important	1	0		0	0	1	1	0	0	1	0							
		2		8	1		6	1	2	1	5	1	3	1							
		3		33	5		24	6	5	3	23	6	10	4							
		4		128	20	5.1	81	20	38	19	80	20	46	18	5.1	5.1	.04	5.1	5.1	.03	
		5		187	29		104	25	75	38	97	25	90	36							
		6	Very important	289	45		199	48	76	39	187	48	102	40							
		Total		646	100		414	100	197	100	392	100	252	100							
c. Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	cSEdiv	1	Not important	8	1		6	1	2	1	7	2	1	0							
		2		20	3		10	2	9	5	7	2	13	5							
		3		68	11		43	10	20	10	41	10	25	10							
		4		156	24	4.7	97	23	51	26	99	25	57	23	4.8	4.6	.13	4.8	4.7	.03	
		5		183	28		110	27	62	31	106	27	77	31							
		6	Very important	210	33		149	36	53	27	132	34	78	31							
		Total		645	100		415	100	197	100	392	100	251	100							
d. Help managing your non-academic responsibilities (work, family, etc.)	cSEacad	1	Not important	9	1		2	0	5	3	4	1	5	2							
		2		21	3		12	3	7	4	7	2	13	5							
		3		88	14		59	14	25	13	53	14	35	14							
		4		152	24	4.6	100	24	45	23	96	24	55	22	4.7	4.6	.08	4.7	4.5	.15	
		5		182	28		113	27	61	31	107	27	75	30							
		6	Very important	192	30		129	31	54	27	125	32	67	27							
		Total		644	100		415	100	197	100	392	100	250	100							
e. Opportunities to be involved socially	cSEsoc	1	Not important	10	2		7	2	3	2	6	2	4	2							
		2		13	2		8	2	4	2	7	2	6	2							
		3		68	11		46	11	17	9	41	11	25	10							
		4		177	28	4.7	115	28	54	27	106	27	71	29	4.7	4.7	-.04	4.7	4.6	.06	
		5		191	30		119	29	63	32	111	29	80	32							

*p<.05, **p<.01, ***p<.001 (2-tailed)

Frequencies and Statistical Comparisons

California State University, Fullerton

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions										Statistical Comparisons							
				All Students			First-Generation ^a				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades			
				Count	%	Mean	Yes		No		A- or higher		B+ or lower		Mean	Mean	ES	A- or higher		B+ or lower	
		6	Very important	181	28		120	29	56	28	118	30	63	25							
		Total		640	100		415	100	197	100	389	100	249	100							
f. Opportunities to attend campus activities and events	cSEact	1	Not important	9	1		4	1	5	3	7	2	2	1							
		2		21	3		16	4	5	3	13	3	7	3							
		3		66	10		46	11	17	9	38	10	27	11							
		4		166	26	4.7	108	26	47	24	97	25	69	28	4.6	4.7	-.06	4.7	4.6	.05	
		5		191	30		124	30	59	30	111	29	80	32							
		6	Very important	185	29		117	28	62	32	122	31	63	25							
		Total		638	100		415	100	195	100	388	100	248	100							
g. Learning support services (tutoring, writing center, success coaching, etc.)	cSEserv	1	Not important	5	1		2	0	3	2	4	1	1	0							
		2		11	2		6	1	4	2	6	2	5	2							
		3		69	11		48	12	19	10	45	12	22	9							
		4		151	24	4.8	93	23	50	25	94	24	57	23	4.8	4.8	.08	4.8	4.8	-.02	
		5		181	28		113	27	57	29	97	25	84	34							
		6	Very important	224	35		151	37	64	32	145	37	79	32							
		Total		641	100		413	100	197	100	391	100	248	100							

*p<.05, **p<.01, ***p<.001 (2-tailed)

BCSSE 2019
First-Year Student Scale Means
California State University, Fullerton

BCSSE Scales provide a useful summary of the detailed information contained in your students' BCSSE responses. By combining responses to related BCSSE questions, each scale offers valuable information about a distinct aspect of student engagement.

- Student status:** Class level as reported by your students.
- Scale description and variable name :** A brief description of the BCSSE scale along with the variable name for easy reference to your datafile and codebook. See Scale Descriptions for more information.
- Mean :** The unweighted scale mean is reported overall for the institution, as well as by first-generation status and high school grades.
- Statistical comparisons :** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (* $p < .05$, ** $p < .01$, *** $p < .001$). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #5) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests
- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. Effect sizes for independent t -tests use Cohen's d . Cohen's d is calculated by dividing the mean difference by the pooled standard deviation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

Scale Mean Scores and Selected Student Comparisons

BCSSEville State University

BCSSE Scales	Variable ^a	First-Year Students										
		All Students			First-Generation ^b			Self-Reported High School Grades				
		Mean	SD	N	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES	ES	
Quantitative Reasoning <i>High school engagement with analysis and numerical information</i>	HS_QR	26.3	14.1	1221	25.4	27.7	**	-.16	26.6	26.2	.02	
Learning Strategies <i>Use of effective learning strategies in high school</i>	HS_LS	36.6	12.7	1220	36.4	36.8		-.04	37.5	35.3	**	.17
Collaborative Learning <i>Expectation to interact and collaborate with peers</i>	EXP_CL	34.9	10.7	1232	34.3	35.1		-.07	35.5	33.6	**	.17
Student-Faculty Interaction <i>Expectation to interact and engage with faculty</i>	EXP_SFI	30.4	11.5	1234	29.9	30.9		-.09	30.4	30.0		.05
Expected Discussions with Diverse Others <i>Expectation to engage in discussions with diverse others</i>	EXP_DD	42.1	13.9	1233	40.8	43.0	**	-.15	43.1	40.1	***	.21
Expected Academic Perseverance <i>Student certainty that they will persist in the face of academic adversity</i>	EXP_PER	40.6	9.8	1233	40.8	41.1		-.03	41.8	39.8	***	.20
Expected Academic Difficulty <i>Expected academic difficulty during the coming year</i>	EXP_DIF	26.3	10.4	1233	26.9	25.0	**	.18	25.9	26.3		-.04
Perceived Academic Preparation <i>Student perception of their academic preparation</i>	PER_PREP	41.9	10.2	1233	41.6	42.9	*	-.13	43.4	40.6	***	.27
Importance of Campus Environment <i>Student-rated importance that the institution provides a challenging and supportive environment</i>	IMP_CAMP	41.3	10.7	1233	41.1	41.7		-.05	42.2	40.1	***	.20

Scale Mean Scores and Selected Student Comparisons

California State University, Fullerton

First-Year Students

BCSSE Scales	Variable ^b	All Students			First-Generation ^a			Self-Reported High School Grades		
					Yes	No	ES	A- or higher	B+ or lower	ES
		Mean	SD	N	Mean	Mean		Mean	Mean	
Quantitative Reasoning <i>High school engagement with analysis and numerical information</i>	HS_QR	30.2	14.2	867	29.8	31.1	-.09	30.7	29.5	.08
Learning Strategies <i>Use of effective learning strategies in high school</i>	HS_LS	36.9	12.8	858	37.5	37.8	-.02	37.7	35.5	* .17
Collaborative Learning <i>Expectation to interact and collaborate with peers</i>	EXP_CL	37.3	12.1	727	37.7	36.7	.09	37.4	37.2	.02
Student-Faculty Interaction <i>Expectation to interact and engage with faculty</i>	EXP_SFI	33.2	13.6	722	34.6	31.1	** .26	33.7	32.4	.09
Expected Discussions with Diverse Others <i>Expectation to engage in discussions with diverse others</i>	EXP_DD	41.7	14.1	705	41.3	43.0	-.13	41.6	41.9	-.02
Expected Academic Perseverance <i>Student certainty that they will persist in the face of academic adversity</i>	EXP_PER	41.5	10.1	687	41.5	42.1	-.06	41.8	41.1	.07
Expected Academic Difficulty <i>Expected academic difficulty during the coming year</i>	EXP_DIF	33.6	10.1	682	34.3	32.4	* .19	32.7	35.2	** -.26
Perceived Academic Preparation <i>Student perception of their academic preparation</i>	PER_PREP	41.1	9.6	652	40.4	43.1	** -.28	41.4	40.6	.08
Importance of Campus Environment <i>Student-rated importance that the institution provides a challenging and supportive environment</i>	IMP_CAMP	44.5	10.5	645	44.8	44.3	.05	44.8	44.2	.06

*p<.05, **p<.01, ***p<.001 (2-tailed)

BCSSE Scales

BCSSE Scales scores were calculated by converting the responses for each item to a 0-60 range. A mean scale score was then calculated for each student. Below is a brief description of each scale with the component BCSSE items in parentheses.

Scale name	Description	Scale items
<i>Quantitative Reasoning</i> (<i>HS_QR</i>)	High school engagement with analysis and numerical information (First-year students only)	hQRconclud, hQRproblm, hQRrevaluat
<i>Learning Strategies</i> (<i>HS_LS</i>)	Use of effective learning strategies in high school. (First-year students only)	hLSreading, hLSnotes, hLSsummary
<i>Learning Strategies</i> (<i>TR_LS</i>)	Use of effective learning strategies at prior institution (Transfer students only)	tLSreading, tLSnotes, tLSsummary
<i>Collaborative Learning</i> (<i>EXP_CL</i>)	Expectation to interact and collaborate with peers	cCLaskhlp, cCLxplain, cCLstudy, cCLproject
<i>Student-Faculty Interaction</i> (<i>EXP_SFI</i>)	Expectation to interact and engage with faculty	cSFcareer, cSFothrwrk, cSFprform, cSFdiscuss
<i>Discussions with Diverse Others</i> (<i>EXP_DD</i>)	Expectation to engage in discussions with diverse others	cDVrace, cDVeconomc, cDVreligion, cDVpolitical
<i>Academic Perseverance</i> (<i>EXP_PER</i>)	Student certainty that they will persist in the face of academic adversity	cotherint, cfindinfo, ccourdis, caskinst, cfinish, cstaypos
<i>Academic Difficulty</i> (<i>EXP_DIF</i>)	Expected academic difficulty during the coming year	clearnma, cmantime, cgethelp, cintfac
<i>Perceived Academic Preparation</i> (<i>PER_PREP</i>)	Student perception of their academic preparation	cSGwrite, cSGspeak, cSGthink, cSGanalyze, cSGothers, cgncompt13, cgningq
<i>Importance of Campus Environment</i> (<i>IMP_CAMP</i>)	Student-rated importance that the institution provides a challenging and supportive environment	cacadexp, cSEacad, cSEdiv, cSEacad, cSEsoc, cSEact, cSEserv

- a. First generation is defined as no parent or guardian having graduated with a 4-year college degree.
- b. Please refer to BCSSE Scale Descriptions for items included in the scale.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.