



BCSSE 2019

First-Year Student Institutional Report

California State University, Chico

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, Chico

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 (bcsse.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 ^a				Self-Reported HS Grades			
			Count	%	Yes	No	A- or Higher	B+ or Lower	Count	%	Count	%
28. This institution was your:	cchoice17	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	80 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?	gender	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 58 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?	cnsmnat	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	465 5 500	99 1 100
31. How would you describe yourself? (Select all that apply)	rs_race	American Indian or Alaska Native Asian (Recorded from comment as) 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 89 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 10 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 65 10 0 0 334 0 41 6 504	0 1 13 10 0 0 66 0 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 <i>Mode of completion</i>	bmodecmp	Paper Web Total	1,718 0 1,718	100 0 100								
1. Please indicate the year you graduated from high school:												
	hgradyr	Prior to 2016 2016 2017 2018 2019 Total	2 0 2 13 1,700 1,717	0 0 0 1 99 100	1 0 2 8 896 907	0 0 0 1 99 100	1 0 0 1 787 793	0 0 0 1 99 100	1 0 2 7 675 685	0 0 0 1 99 100	0 0 0 5 962 967	0 0 0 1 99 100
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
	tmilitary	Military service	0	0	0	0	0	0	0	0	0	0
	twork_ft	Work full-time	0	0	0	0	0	0	0	0	0	0
	twork_pt	Work part-time	0	0	0	0	0	0	0	0	0	0
	thome	Homemaker or stay at home spouse	0	0	0	0	0	0	0	0	0	0
	tvolunteer	Volunteer	0	0	0	0	0	0	0	0	0	0
	tsinceoth	Other	0	0	0	0	0	0	0	0	0	0
W2. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> 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
	tattend_com	Community or junior college	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
	tattend_other	Other	0	0	0	0	0	0	0	0	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>												
	ttrnsfr_cr	0 1-11 12-30 31-45 46-60 More than 60 Total	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 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	%	
2. From which type of high school did you graduate? (Select only one.)													
	htype13	Public	1,585	93	849	94	721	91	643	94	884	92	
		Private, religiously-affiliated	98	6	42	5	54	7	29	4	65	7	
		Private, not religiously affiliated	12	1	4	0	8	1	7	1	5	1	
		Home school	5	0	2	0	3	0	1	0	3	0	
		Other (e.g., G.E.D.)	12	1	7	1	5	1	5	1	6	1	
		Total	1,712	100	904	100	791	100	685	100	963	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	13	1	11	1	2	0	0	0	13	1	
		C+	28	2	18	2	10	1	0	0	28	3	
		B-	80	5	43	5	36	5	0	0	80	8	
		B	496	30	262	30	227	29	0	0	496	51	
		B+	350	21	180	21	164	21	0	0	350	36	
		A-	258	16	132	15	124	16	258	38	0	0	
		A	407	25	203	23	204	26	407	59	0	0	
		A+	21	1	15	2	6	1	21	3	0	0	
		Grades not used	0	0	0	0	0	0	0	0	0	0	
		Total	1,653	100	864	100	773	100	686	100	967	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	1,414	82	717	79	684	86	563	82	803	83	
	hprecalc13	Pre-calculus/Trigonometry	888	52	431	47	448	56	413	60	449	46	
	hcalc13	Calculus	305	18	151	17	150	19	163	24	140	14	
	hstats13	Probability or Statistics	530	31	256	28	270	34	220	32	296	31	
5. If you completed the SAT and/or ACT, please enter your scores below (as best you remember): (Recoded SAT and ACT composite created by BCSSE.)													
	sat_act17r	900 or lower	100	7	79	11	19	3	30	5	61	8	
		901 - 1000	186	13	137	19	48	7	62	11	119	15	
		1001 - 1100	405	29	253	36	149	22	154	26	242	31	
		1101 - 1200	373	27	151	21	221	32	168	29	195	25	
		1201 - 1300	221	16	58	8	161	24	106	18	106	14	
		1301 - 1400	92	7	23	3	68	10	55	9	35	5	
		1401 - 1600	28	2	11	2	17	2	11	2	17	2	
		Total	1,405	100	712	100	683	100	586	100	775	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	%
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	1,325	79	605	68	716	91	528	78	753	80
		Not using	180	11	150	17	30	4	80	12	96	10
		Not sure	169	10	129	15	39	5	67	10	91	10
		Total	1,674	100	884	100	785	100	675	100	940	100
Loans	cloans	Using	680	41	411	47	265	35	262	40	392	42
		Not using	601	36	279	32	322	42	252	38	328	35
		Not sure	366	22	191	22	175	23	144	22	209	22
		Total	1,647	100	881	100	762	100	658	100	929	100
Grants or scholarships	cgrants	Using	1,100	66	711	80	386	50	481	71	567	61
		Not using	329	20	95	11	234	30	110	16	214	23
		Not sure	238	14	86	10	151	20	82	12	153	16
		Total	1,667	100	892	100	771	100	673	100	934	100
Employment on- or off-campus	cjob	Using	914	55	575	65	337	44	375	56	498	53
		Not using	266	16	95	11	171	22	97	15	165	18
		Not sure	476	29	216	24	258	34	193	29	270	29
		Total	1,656	100	886	100	766	100	665	100	933	100
Personal savings or other sources	cpersonal	Using	1,008	61	550	63	455	59	428	65	541	59
		Not using	311	19	158	18	153	20	107	16	196	21
		Not sure	325	20	164	19	160	21	126	19	187	20
		Total	1,644	100	872	100	768	100	661	100	924	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	14	1	9	1	5	1	3	0	10	1	
	C+	24	1	18	2	6	1	2	0	22	2	
	B-	124	8	80	10	43	6	22	3	98	11	
	B	493	31	245	29	246	32	139	21	340	37	
	B+	426	26	225	27	201	26	159	24	260	28	
	A-	334	21	168	20	166	22	207	31	123	13	
	A	194	12	93	11	100	13	126	19	63	7	
	Grades not used	0	0	0	0	0	0	0	0	0	0	
	Total	1,609	100	838	100	767	100	658	100	916	100	

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	%	
24. Do you expect to graduate from this institution?													
	cintgrad	No	11	1	8	1	3	0	4	1	6	1	
		Yes	1,545	93	812	92	729	94	626	93	864	94	
		Uncertain	102	6	58	7	44	6	41	6	53	6	
		Total	1,658	100	878	100	776	100	671	100	923	100	
25. Do you know what your major will be?													
	cmajor	No	173	10	86	10	86	11	56	8	111	12	
		Yes, specify	1,487	90	799	90	686	89	615	92	815	88	
		Total	1,660	100	885	100	772	100	671	100	926	100	
<i>(Recoded variable cmajcode into one of 12 major categories listed at right.)</i>	cmajrcol	Arts & Humanities	59	4	27	4	32	5	28	5	29	4	
		Biological Sci., Agriculture, & Natural Resources	128	10	76	10	51	8	67	12	57	8	
		Physical Sci., Mathematics, & Computer Science	72	5	36	5	36	6	30	6	41	6	
		Social Sciences	169	13	89	12	80	13	59	11	104	14	
		Business	168	13	79	11	89	15	51	9	113	15	
		Communications, Media, & Public Relations	40	3	14	2	26	4	12	2	26	4	
		Education	13	1	6	1	7	1	7	1	6	1	
		Engineering	127	10	63	9	63	10	54	10	71	10	
		Health Professions	390	29	251	35	138	23	193	35	178	24	
		Social Service Professions	69	5	46	6	23	4	19	3	48	6	
		All Other	94	7	38	5	56	9	25	5	64	9	
		Undecided, Undeclared	2	0	1	0	1	0	0	0	2	0	
		Total	1,331	100	726	100	602	100	545	100	739	100	
26. Are you (or will you be) a full-time student at this institution?													
	cfulltime18	No	12	1	9	1	3	0	4	1	8	1	
		Yes	1,678	99	891	99	783	100	674	99	944	99	
		Total	1,690	100	900	100	786	100	678	100	952	100	
27. How many of your close friends will attend this institution during the coming year?													
	cfriends	None	654	39	349	39	304	39	271	40	359	38	
		1	353	21	191	21	162	21	138	20	206	22	
		2	271	16	142	16	128	16	120	18	142	15	
		3	140	8	81	9	57	7	51	7	84	9	
		4 or more	274	16	138	15	136	17	103	15	159	17	

First-Year Students

<i>Item wording or description</i>	<i>Variable name</i>	<i>Response options</i>	All Students		First-Generation ^a				Self-Reported HS Grades			
					Yes		No		A- or Higher		B+ or Lower	
			<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>	<i>Count</i>	<i>%</i>
		Total	1,692	100	901	100	787	100	683	100	950	100

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	%
28. This institution was your:												
	cchoice17	First choice	860	51	450	50	409	52	347	51	486	51
		Second choice	593	35	335	37	258	33	235	35	336	35
		Third choice or lower	237	14	118	13	117	15	97	14	127	13
		Total	1,690	100	903	100	784	100	679	100	949	100
29. What is your gender identity?												
	cgender	Man	713	42	332	37	380	48	243	36	447	47
		Woman	975	58	564	63	409	52	436	64	501	53
		Another gender identity	2	0	1	0	1	0	1	0	1	0
		I prefer not to respond	5	0	4	0	1	0	2	0	3	0
		Total	1,695	100	901	100	791	100	682	100	952	100
30. Are you an international student or foreign national?												
	cinternat	No	1,639	98	870	97	767	98	664	98	914	98
		Yes	38	2	23	3	15	2	13	2	23	2
		Total	1,677	100	893	100	782	100	677	100	937	100
31. How would you describe yourself? (Select all that apply)												
	re_allb	American Indian or Alaska Native	5	0	2	0	3	0	4	1	0	0
		Asian	91	5	60	7	31	4	51	7	36	4
		Black or African American	49	3	36	4	13	2	11	2	36	4
		Hispanic or Latino	491	29	430	47	60	8	169	25	295	31
		Middle Eastern or North African	6	0	3	0	3	0	1	0	3	0
		Native Hawaiian or Other Pacific Islander	10	1	5	1	5	1	6	1	4	0
		White	748	44	237	26	511	65	326	48	405	42
		Another race or ethnicity	5	0	1	0	4	1	2	0	3	0
		Multiracial	296	17	133	15	162	20	114	17	171	18
		I prefer not to respond	0	0	0	0	0	0	0	0	0	0
		Total	1,701	100	907	100	792	100	684	100	953	100

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	%
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	233	14	233	26	0	0	76	11	143	15
		High school diploma or G.E.D.	367	22	367	40	0	0	134	20	217	23
		Attended college, but did not complete degree	212	12	212	23	0	0	98	14	104	11
		Associate's degree (A.A., A.S., etc.)	96	6	96	11	0	0	42	6	50	5
		Bachelor's degree (B.A., B.S., etc.)	492	29	0	0	492	62	204	30	276	29
		Master's degree (M.A., M.S., etc.)	243	14	0	0	243	31	102	15	134	14
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	58	3	0	0	58	7	28	4	29	3
		Total	1,701	100	908	100	793	100	684	100	953	100
First-generation status (<i>Neither parent holds a bachelor's degree. Recoded from cpardegr18</i>)	bfirstgen	First-generation	908	53	908	100	0	0	350	51	514	54
		Not first-generation	793	47	0	0	793	100	334	49	439	46
		Total	1,701	100	908	100	793	100	684	100	953	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)	1,205	74	587	68	616	82	448	69	715	79
		Fraternity or sorority house	14	1	4	0	10	1	2	0	11	1
		House, apartment, or other residence <i>within walking distance</i> to campus	238	15	168	19	70	9	110	17	118	13
		House, apartment, or other residence <i>farther than walk. dist.</i> to campus	155	10	104	12	51	7	89	14	61	7
		Not applicable: No campus, entirely online program, etc.	4	0	4	0	0	0	2	0	2	0
		Not applicable: Homeless or in transition	3	0	2	0	1	0	1	0	2	0
		Total	1,619	100	869	100	748	100	652	100	909	100



BCSSE 2019

First-Year Student Frequencies and Statistical Comparisons

California State University, Chico

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

Frequencies and Statistical Comparisons
BCSSEville State University

Item wording of display name	Variable name	Values	Response options	All Students				Frequency Distributions				Statistical Comparisons			
				Count	%	Mean	First-Generation*		Self-Reported HS Grades		First-Generation		Self-Reported HS Grades		
							Yes	No	A- or higher	B- or lower	Yes	No	A- or higher	B- or lower	
Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	ES	Mean	ES		
6. During high school, how many of the following types of classes did you complete?															
a. Advanced Placement (AP) classes															
	hspc11num	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	150	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 ***
		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			1,197	100	656	100	528	100	708	100	484	100		
b. College or university courses for credit															
	hdc11num	0		503	43	183	35	208	30	292	61				
		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 ***
		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		1,115	99	615	99	466	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
		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															
	overstrum	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 *
		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, Chico

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	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	hapcl13num	0	0	326	20	163	19	159	21	111	17	203	22						
	<i>(Recoded version of hapcl13 created by BCSSE. Values are estimated number of AP classes.)</i>	1.5	1-2	634	39	371	43	259	34	233	35	375	41						
		3.5	3-4	406	25	211	24	190	25	188	29	205	22						
		5.5	5-6	184	11	75	9	107	14	91	14	88	10	2.4	2.6	-.08	2.7	2.4 **	.16
		7.5	7-8	56	3	31	4	25	3	23	4	31	3						
		9.5	9-10	21	1	11	1	10	1	10	2	11	1						
		11.5	11 or more	7	0	4	0	2	0	1	0	6	1						
		Total	1,634	100	866	100	752	100	657	100	919	100							
b. College or university courses for credit	hdc17num	0	0	811	58	402	55	400	62	313	55	471	62						
	<i>(Recoded version of hdc17 created by BCSSE. Values are estimated number of dual credit classes.)</i>	1.5	1-2	376	27	221	30	154	24	152	27	209	27						
		3.5	3-4	109	8	60	8	46	7	57	10	43	6						
		5.5	5-6	36	3	24	3	12	2	21	4	15	2	1.3	1.2	.02	1.5	1.1 **	.17
		7.5	7-8	14	1	5	1	9	1	8	1	6	1						
		9.5	9-10	13	1	6	1	7	1	7	1	6	1						
		11.5	11 or more	31	2	14	2	17	3	15	3	15	2						
		Total	1,390	100	732	100	645	100	573	100	765	100							
c. International Baccalaureate (IB)	hib17num	0	0	1,181	94	613	95	557	94	479	94	663	95						
	<i>(Recoded version of hib17 created by BCSSE. Values are estimated number of international baccalaureate classes.)</i>	1.5	1-2	36	3	18	3	18	3	15	3	20	3						
		3.5	3-4	18	1	8	1	9	2	10	2	8	1						
		5.5	5-6	7	1	3	0	4	1	5	1	2	0	.2	.2	-.01	.2	.2	.03
		7.5	7-8	7	1	5	1	2	0	2	0	5	1						
		9.5	9-10	1	0	0	0	1	0	1	0	0	0						
		11.5	11 or more	2	0	1	0	1	0	0	0	2	0						
		Total	1,252	100	648	100	592	100	512	100	700	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	92	5	53	6	37	5	34	5	54	6						
	<i>(Recoded version of hWRshrt created by BCSSE. Values are estimated number of papers, reports, etc.)</i>	1.5	1-2	433	26	262	29	166	21	169	25	249	26						
		4	3-5	591	35	306	34	279	36	232	34	327	34						
		8	6-10	351	21	176	20	172	22	141	21	199	21	5.4	6.4 ***	-.18	6.0	5.8	.04
		13	11-15	101	6	39	4	61	8	49	7	52	5						
		18	16-20	38	2	15	2	23	3	15	2	21	2						
	23	More than 20	89	5	44	5	45	6	37	5	51	5							

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

Frequencies and Statistical Comparisons

California State University, Chico

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	%	Mean	Mean	ES	Mean	Mean	ES
b. Between 6 and 10 pages	hwrmndnum	0	None	553	34		327	39	222	30	217	34	316	35						
	(Recorded version of hWRmd created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	747	47		365	43	373	50	296	46	424	47						
		4	3-5	235	15		112	13	121	16	105	16	123	14						
		8	6-10	49	3	1.7	25	3	24	3	22	3	25	3	1.6	1.9 *	-.12	1.8	1.7	.02
		13	11-15	16	1		10	1	6	1	3	0	12	1						
		18	16-20	5	0		1	0	4	1	3	0	2	0						
		23	More than 20	1	0		0	0	1	0	0	0	1	0						
		Total	1,606	100		840	100	751	100	646	100	903	100							
c. 11 pages or more	hwrlngnum	0	None	1,163	74		619	75	534	72	464	73	662	75						
	(Recorded version of hWRlng created by BCSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	363	23		175	21	183	25	156	25	191	22						
		4	3-5	30	2		17	2	13	2	11	2	18	2						
		8	6-10	11	1	0.6	8	1	3	0	2	0	8	1	.6	.6	-.03	.5	.6	-.04
		13	11-15	5	0		2	0	3	0	1	0	4	0						
		18	16-20	1	0		1	0	0	0	1	0	0	0						
		23	More than 20	4	0		1	0	3	0	1	0	3	0						
		Total	1,577	100		823	100	739	100	636	100	886	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	23	1		13	1	10	1	9	1	14	1						
	(Recorded version of hacadpr13 created by BCSSE. Values are estimated number of hours)	3	1-5	659	39		343	38	308	39	225	33	404	42						
		8	6-10	577	34		292	32	278	35	224	33	334	35						
		13	11-15	274	16		150	17	123	16	140	21	129	13						
		18	16-20	107	6	8.2	62	7	44	6	51	7	53	5	8.4	7.9 *	.10	8.9	7.6 ***	.22
		23	21-25	39	2		20	2	19	2	21	3	15	2						
		28	26-30	13	1		9	1	4	1	4	1	7	1						
	33	More than 30	19	1		15	2	4	1	8	1	8	1							
		Total	1,711	100		904	100	790	100	682	100	964	100							
b. Working for pay	hworkhrs	0	0	657	39		369	41	282	36	263	38	368	38						
	(Recorded version of hworkhrs created by BCSSE. Values are estimated number of hours)	3	1-5	239	14		105	12	133	17	109	16	122	13						
		8	6-10	207	12		91	10	116	15	90	13	113	12						
		13	11-15	207	12		104	12	100	13	83	12	118	12						
		18	16-20	204	12	8.0	114	13	84	11	65	10	129	13	8.4	7.6 *	.10	7.6	8.3	-.08
		23	21-25	105	6		58	6	47	6	46	7	57	6						
	28	26-30	50	3		35	4	14	2	16	2	31	3							

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

Frequencies and Statistical Comparisons

California State University, Chico

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
		33	More than 30	35	2		25	3	10	1	12	2	21	2						
			Total	1,704	100		901	100	786	100	684	100	959	100						
c. Participating in co-curricular activities (organizations, school publications, student government, sports, etc.)	hcocurrhrs <i>(Recoded version of hcocurrhrs created by BCSSE. Values are estimated number of hours)</i>	0	0	214	13		92	10	116	15	74	11	131	14						
		3	1-5	384	22		232	26	146	19	142	21	230	24						
		8	6-10	348	20		176	19	168	21	135	20	199	21						
		13	11-15	339	20		195	22	143	18	147	21	186	19						
		18	16-20	207	12	10.6	95	10	112	14	89	13	110	11	10.6	10.8	-.02	11.3	10.0 **	.15
		23	21-25	101	6		53	6	48	6	41	6	51	5						
		28	26-30	31	2		15	2	16	2	15	2	15	2						
		33	More than 30	87	5		48	5	39	5	41	6	41	4						
			Total	1,711	100		906	100	788	100	684	100	963	100						
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	hsocial13hrs <i>(Recoded version of hsocial13hrs created by BCSSE. Values are estimated number of hours)</i>	0	0	3	0		3	0	0	0	2	0	1	0						
		3	1-5	371	22		242	27	122	16	163	24	187	20						
		8	6-10	513	30		273	30	237	30	220	32	273	28						
		13	11-15	366	21		176	20	188	24	140	21	214	22						
		18	16-20	212	12	12.0	107	12	103	13	79	12	128	13	11.1	13.2 ***	-.26	11.2	12.8 ***	-.19
		23	21-25	85	5		34	4	51	6	32	5	52	5						
		28	26-30	56	3		20	2	36	5	16	2	38	4						
		33	More than 30	97	6		46	5	48	6	29	4	65	7						
			Total	1,703	100		901	100	785	100	681	100	958	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	382	22		178	20	200	25	148	22	221	23						
		2	Some	791	46		395	44	390	49	326	48	447	46						
		3	About half	365	21	2.2	215	24	143	18	135	20	206	21	2.3	2.1 ***	.25	2.2	2.2	.03
		4	Most	145	8		92	10	53	7	63	9	77	8						
		5	Almost all	29	2		22	2	7	1	11	2	14	1						
			Total	1,712	100		902	100	793	100	683	100	965	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	564	34		295	33	264	34	310	46	227	24						
		2	Sometimes	995	59		532	59	453	59	339	50	626	66						
		3	Often	82	5	1.8	46	5	35	5	16	2	63	7	1.8	1.7	.04	1.6	1.9 ***	-.46
		4	Very often	42	2		24	3	18	2	10	1	27	3						
			Total	1,683	100		897	100	770	100	675	100	943	100						

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

Frequencies and Statistical Comparisons

California State University, Chico

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		Yes	No	ES	A- or higher	B+ or lower	ES	
b. Prepared two or more drafts of a paper or assignment before turning it in	hdrafting	1	Never	189	11		84	9	101	13	65	10	116	12							
		2	Sometimes	784	47		420	47	357	46	333	49	424	45							
		3	Often	553	33	2.4	301	34	247	32	201	30	328	35	2.4	2.4 *	.11	2.4	2.4	.05	
		4	Very often	154	9		91	10	63	8	75	11	73	8							
		Total		1,680	100		896	100	768	100	674	100	941	100							
c. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	hQRconclud	1	Never	94	6		52	6	41	5	39	6	50	5							
		2	Sometimes	508	30		290	32	212	28	193	29	290	31							
		3	Often	777	46	2.8	406	45	363	47	308	46	447	48	2.7	2.8 *	-.11	2.8	2.7	.06	
		4	Very often	299	18		147	16	152	20	135	20	152	16							
		Total		1,678	100		895	100	768	100	675	100	939	100							
d. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	hQRproblm	1	Never	187	11		112	13	72	9	68	10	109	12							
		2	Sometimes	677	40		367	41	306	40	277	41	367	39							
		3	Often	579	34	2.5	291	32	284	37	234	35	330	35	2.5	2.6	-.08	2.5	2.5	.00	
		4	Very often	238	14		126	14	107	14	94	14	137	15							
		Total		1,681	100		896	100	769	100	673	100	943	100							
e. Evaluated what others have concluded from numerical information	hQRrevaluat	1	Never	208	12		129	14	74	10	78	12	120	13							
		2	Sometimes	723	43		388	44	332	43	291	43	396	42							
		3	Often	571	34	2.4	287	32	276	36	232	35	326	35	2.4	2.5 **	-.13	2.4	2.4	.02	
		4	Very often	171	10		87	10	84	11	70	10	95	10							
		Total		1,673	100		891	100	766	100	671	100	937	100							
f. Identified key information from reading assignments	hLSreading	1	Never	14	1		9	1	4	1	6	1	8	1							
		2	Sometimes	268	16		151	17	115	15	106	16	142	15							
		3	Often	808	48	3.2	415	46	384	50	307	46	472	50	3.2	3.2	-.03	3.2	3.2	.04	
		4	Very often	588	35		318	36	266	35	253	38	319	34							
		Total		1,678	100		893	100	769	100	672	100	941	100							
g. Reviewed your notes after class	hLSnotes	1	Never	75	4		31	3	42	5	24	4	49	5							
		2	Sometimes	537	32		250	28	280	37	196	29	318	34							
		3	Often	628	37	2.8	343	38	281	37	263	39	343	36	3.0	2.7 ***	.25	2.9	2.8 *	.13	
		4	Very often	435	26		268	30	164	21	186	28	232	25							
		Total		1,675	100		892	100	767	100	669	100	942	100							

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

Frequencies and Statistical Comparisons

California State University, Chico

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
h Summarized what you learned in class or from course materials	hLSsummary	1	Never	73	4			39	4	33	4	22	3	48	5							
		2	Sometimes	526	31			264	30	257	34	203	30	303	32							
		3	Often	695	41	2.8		363	41	324	42	272	40	397	42	2.9	2.8 *	.11	2.9	2.8 **	.14	
		4	Very often	381	23			226	25	153	20	175	26	190	20							
		Total		1,675	100			892	100	767	100	672	100	938	100							
i Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	hridivers	1	Never	112	7			63	7	48	6	46	7	61	6							
		2	Sometimes	622	37			331	37	284	37	253	38	345	37							
		3	Often	582	35	2.7		294	33	282	37	234	35	331	35	2.7	2.7	.01	2.7	2.7	-.03	
		4	Very often	364	22			206	23	156	20	141	21	204	22							
		Total		1,680	100			894	100	770	100	674	100	941	100							
j Examined the strengths and weaknesses of your own views on a topic or issue	hriownview	1	Never	59	4			35	4	23	3	25	4	30	3							
		2	Sometimes	493	29			257	29	229	30	196	29	279	30							
		3	Often	679	40	2.9		345	39	331	43	283	42	375	40	2.9	2.9	.04	2.9	2.9	-.03	
		4	Very often	451	27			258	29	188	24	170	25	259	27							
		Total		1,682	100			895	100	771	100	674	100	943	100							
k Tried to better understand someone else's views by imagining how an issue looks from their perspective	hriperspect	1	Never	20	1			13	1	7	1	7	1	11	1							
		2	Sometimes	312	19			170	19	137	18	126	19	169	18							
		3	Often	732	44	3.2		369	41	357	46	293	44	414	44	3.2	3.2	.01	3.2	3.2	-.01	
		4	Very often	616	37			341	38	270	35	247	37	348	37							
		Total		1,680	100			893	100	771	100	673	100	942	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	754	45			395	44	350	46	290	43	431	46							
		2	Very little	284	17			173	19	110	14	102	15	175	19							
		3	Some	233	14	2.3		121	14	110	14	93	14	129	14	2.3	2.4	-.04	2.5	2.2 **	.15	
		4	Quite a bit	145	9			71	8	71	9	55	8	86	9							
		Total		1,678	100			894	100	768	100	673	100	940	100							
b. Athletic teams (varsity, JV, club sport, etc.)	hinvathl	1	Not at all	335	20			202	22	129	17	136	20	185	20							
		2	Very little	133	8			88	10	44	6	46	7	82	9							
		3	Some	244	15	3.5		128	14	112	15	94	14	140	15	3.4	3.7 ***	-.20	3.6	3.5	.04	
		4	Quite a bit	272	16			130	14	141	18	108	16	156	17							
		Total		1,682	100			898	100	768	100	675	100	942	100							

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

Frequencies and Statistical Comparisons

California State University, Chico

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	%	A- or higher		B+ or lower		Yes	No	ES	A- or higher		B+ or lower		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES			
c. Student government	hstugov	1	Not at all	1,133	67		571	64	552	72	444	66	650	69						
		2	Very little	192	11		119	13	71	9	65	10	121	13						
		3	Some	143	9	1.7	96	11	44	6	62	9	73	8	1.8	1.7	.08	1.8	1.7 *	.12
		4	Quite a bit	80	5		44	5	36	5	46	7	30	3						
		5	Very much	133	8		67	7	65	8	57	8	68	7						
		Total		1,681	100		897	100	768	100	674	100	942	100						
d. Publications (student newspaper, yearbook, etc.)	hinvpubs	1	Not at all	1,213	72		635	71	567	74	484	72	689	73						
		2	Very little	180	11		99	11	78	10	71	11	101	11						
		3	Some	134	8	1.6	73	8	60	8	55	8	72	8	1.6	1.5	.07	1.6	1.6	.02
		4	Quite a bit	69	4		38	4	31	4	30	4	34	4						
		5	Very much	79	5		47	5	31	4	30	4	44	5						
		Total		1,675	100		892	100	767	100	670	100	940	100						
e. Academic clubs or honor societies	hinvhon13	1	Not at all	709	42		347	39	356	46	218	32	463	49						
		2	Very little	265	16		152	17	107	14	93	14	165	18						
		3	Some	307	18	2.4	157	18	150	20	140	21	154	16	2.5	2.2 **	.16	2.7	2.1 ***	.45
		4	Quite a bit	188	11		111	12	74	10	95	14	85	9						
		5	Very much	209	12		127	14	81	11	126	19	74	8						
		Total		1,678	100		894	100	768	100	672	100	941	100						
f. Vocational clubs (business, health, technology, etc.)	hinvvcl	1	Not at all	1,136	68		604	68	519	68	452	67	635	68						
		2	Very little	185	11		95	11	90	12	75	11	104	11						
		3	Some	175	10	1.7	87	10	88	12	70	10	102	11	1.7	1.7	.05	1.7	1.7	.03
		4	Quite a bit	86	5		49	6	36	5	34	5	50	5						
		5	Very much	88	5		54	6	32	4	40	6	43	5						
		Total		1,670	100		889	100	765	100	671	100	934	100						
g. Religious youth groups	hrelgrp	1	Not at all	1,275	76		679	76	582	76	515	77	707	75						
		2	Very little	141	8		91	10	50	7	58	9	79	8						
		3	Some	130	8	1.5	62	7	66	9	47	7	79	8	1.5	1.6	-.07	1.5	1.5	-.03
		4	Quite a bit	60	4		32	4	28	4	26	4	34	4						
		5	Very much	69	4		30	3	39	5	26	4	39	4						
		Total		1,675	100		894	100	765	100	672	100	938	100						

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

Frequencies and Statistical Comparisons

California State University, Chico

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
h Community service or volunteer work	hvolntr	1	Not at all	140	8			55	6	84	11	39	6	96	10							
		2	Very little	198	12			97	11	99	13	82	12	112	12							
		3	Some	479	29	3.5		234	26	241	31	182	27	279	30	3.7	3.3 ***	.29	3.6	3.4 ***	.19	
		4	Quite a bit	412	25			224	25	186	24	161	24	238	25							
		5	Very much	447	27			284	32	156	20	209	31	214	23							
		Total		1,676	100			894	100	766	100	673	100	939	100							
12. During your last year of high school, to what extent did your course challenge you to do your best work?																						
	hchallenge	1	Not at all	20	1			9	1	10	1	10	1	10	1							
		2		36	2			10	1	26	3	12	2	22	2							
		3		148	9			59	7	87	11	43	6	100	11							
		4		364	22	4.9		191	21	170	22	135	20	216	23	5.0	4.7 ***	.26	5.0	4.8 **	.16	
		5		643	38			346	39	292	38	260	39	361	38							
		6		309	18			176	20	131	17	148	22	149	16							
		7	Very much	155	9			103	12	50	7	65	10	81	9							
		Total		1,675	100			894	100	766	100	673	100	939	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 (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	cacadpr13hrs <i>(Recoded version of cacadpr13 created by BCSSE. Values are estimated number of hours)</i>	0	0	1	0			0	0	1	0	0	0	1	0							
		3	1-5	59	4			36	4	22	3	19	3	37	4							
		8	6-10	319	19			186	21	131	17	118	18	189	20							
		13	11-15	448	27			229	26	215	28	182	27	250	27							
		18	16-20	420	25	16.3		209	24	205	27	165	25	241	26	16.1	16.4	-.04	16.7	15.9 *	.12	
		23	21-25	226	14			119	13	105	14	92	14	126	13							
		28	26-30	108	6			63	7	45	6	51	8	51	5							
		33	More than 30	82	5			44	5	38	5	37	6	40	4							
		Total		1,663	100			886	100	762	100	664	100	935	100							
b. Working for pay on- or off-campus	cworkhrs <i>(Recoded version of cworkhrs created by BCSSE. Values are estimated number of hours)</i>	0	0	315	19			127	14	185	24	129	19	178	19							
		3	1-5	200	12			91	10	108	14	78	12	114	12							
		8	6-10	352	21			176	20	173	23	147	22	192	21							
		13	11-15	346	21			200	22	144	19	142	21	190	20							
		18	16-20	305	18	10.3		192	22	109	14	117	17	177	19	11.7	8.7 ***	.40	10.2	10.4	-.03	
		23	21-25	96	6			62	7	33	4	39	6	52	6							
		28	26-30	32	2			21	2	10	1	10	1	20	2							
33	More than 30	22	1			21	2	1	0	8	1	12	1									

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

Frequencies and Statistical Comparisons

California State University, Chico

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		
				Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES		
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean
		Total		1,668	100	890	100	763	100	670	100	935	100						

Frequencies and Statistical Comparisons

California State University, Chico

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	Mean
c. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	ccocurrhrs (Recoded version of ccocurrhrs created by BCSSE. Values are estimated number of hours)	0	0	84	5	9.1	56	6	28	4	29	4	51	5							
		3	1-5	451	27		245	27	200	26	174	26	257	27							
		8	6-10	553	33		287	32	264	34	241	36	291	31							
		13	11-15	352	21		181	20	167	22	129	19	208	22							
		18	16-20	151	9		77	9	73	10	63	9	84	9	9.0	9.3	-.05	9.2	9.2	.01	
		23	21-25	50	3		29	3	19	2	17	3	33	4							
		28	26-30	13	1		8	1	5	1	5	1	7	1							
		33	More than 30	22	1		11	1	11	1	11	2	11	1							
	Total			1,676	100		894	100	767	100	669	100	942	100							
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	csocial13hrs (Recoded version of csocial13hrs created by BCSSE. Values are estimated number of hours)	0	0	7	0	10.8	5	1	2	0	1	0	5	1							
		3	1-5	327	19		222	25	102	13	147	22	165	18							
		8	6-10	583	35		319	36	257	34	233	35	323	34							
		13	11-15	437	26		206	23	229	30	173	26	247	26							
		18	16-20	200	12		85	9	114	15	73	11	123	13	10.0	11.8 ***	-.29	10.5	11.2 *	-.11	
		23	21-25	74	4		39	4	33	4	29	4	45	5							
		28	26-30	16	1		5	1	11	1	7	1	9	1							
		33	More than 30	33	2		14	2	19	2	10	1	23	2							
	Total			1,677	100		895	100	767	100	673	100	940	100							
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	23	1	3.1	11	1	11	1	10	1	13	1							
		2	Some	439	26		195	22	238	31	172	26	253	27							
		3	About half	664	40		333	37	328	43	253	38	385	41	3.2	2.9 ***	.33	3.1	3.0	.07	
		4	Most	487	29		304	34	178	23	210	31	257	27							
		5	Almost all	65	4		51	6	14	2	27	4	34	4							
			Total			1,678	100		894	100	769	100	672	100	942	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	11	1	3.0	6	1	5	1	8	1	3	0							
		2	Sometimes	440	26		215	24	222	29	194	29	228	24							
		3	Often	801	48		439	49	356	46	324	48	448	48	3.0	2.9 *	.10	2.9	3.0 ***	-.18	
		4	Very often	426	25		236	26	184	24	145	22	264	28							
			Total			1,678	100		896	100	767	100	671	100	943	100					

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

Frequencies and Statistical Comparisons

California State University, Chico

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		Yes	No	ES	A- or higher	B+ or lower	ES	
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES		
b. Explain course material to one or more students	cCLxplain	1	Never	17	1		13	1	4	1	7	1	9	1							
		2	Sometimes	744	44		396	44	342	44	292	44	424	45							
		3	Often	700	42	2.7	362	40	333	43	286	43	389	41	2.7	2.7	.01	2.7	2.7	.02	
		4	Very often	218	13		124	14	90	12	86	13	121	13							
		Total		1,679	100		895	100	769	100	671	100	943	100							
c. Prepare for exams by discussing or working through course material with other students	cCLstudy	1	Never	10	1		4	0	6	1	7	1	2	0							
		2	Sometimes	224	13		112	13	110	14	105	16	105	11							
		3	Often	847	51	3.2	454	51	386	50	323	48	494	53	3.2	3.2	.05	3.2	3.2 *	-.10	
		4	Very often	594	35		321	36	267	35	236	35	338	36							
		Total		1,675	100		891	100	769	100	671	100	939	100							
d. Work with other students on course projects or assignments	cCLproject	1	Never	5	0		4	0	1	0	2	0	3	0							
		2	Sometimes	257	15		125	14	131	17	115	17	125	13							
		3	Often	820	49	3.2	430	48	382	50	319	48	473	50	3.2	3.2	.10	3.2	3.2	-.07	
		4	Very often	593	35		333	37	254	33	234	35	339	36							
		Total		1,675	100		892	100	768	100	670	100	940	100							
e. Talk about career plans with a faculty member	cSFcareer	1	Never	8	0		4	0	4	1	4	1	4	0							
		2	Sometimes	519	31		222	25	293	38	202	30	295	31							
		3	Often	777	46	2.9	421	47	352	46	309	46	439	47	3.0	2.8 ***	.35	2.9	2.9	.03	
		4	Very often	376	22		249	28	121	16	157	23	205	22							
		Total		1,680	100		896	100	770	100	672	100	943	100							
f. Work with a faculty member on activities other than coursework (committees, student groups, etc.)	cSFothrwrk	1	Never	73	4		27	3	43	6	29	4	40	4							
		2	Sometimes	796	47		382	43	409	53	319	47	452	48							
		3	Often	586	35	2.6	344	38	239	31	225	33	336	36	2.7	2.5 ***	.28	2.6	2.6	.04	
		4	Very often	224	13		142	16	79	10	99	15	114	12							
		Total		1,679	100		895	100	770	100	672	100	942	100							
g. Discuss your academic performance with a faculty member	cSFprform	1	Never	26	2		8	1	17	2	10	1	16	2							
		2	Sometimes	597	36		272	30	321	42	238	36	337	36							
		3	Often	723	43	2.8	399	45	319	42	293	44	405	43	2.9	2.7 ***	.31	2.8	2.8	.00	
		4	Very often	329	20		214	24	111	14	128	19	183	19							
		Total		1,675	100		893	100	768	100	669	100	941	100							
h. Discuss course topics, ideas, or concepts with a faculty member outside of class	cSFdiscuss	1	Never	53	3		22	2	30	4	21	3	30	3							
		2	Sometimes	674	40		333	37	337	44	261	39	394	42							
		3	Often	675	40	2.7	372	42	299	39	280	42	367	39	2.8	2.6 ***	.19	2.7	2.7	.05	
		4	Very often	272	16		166	19	102	13	109	16	147	16							
		Total		1,675	100		895	100	768	100	669	100	941	100							

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

Frequencies and Statistical Comparisons

California State University, Chico

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	Yes	No	ES	A- or higher	B+ or lower	ES				
		Total		1,674	100		893	100	768	100	671	100	938	100						
i Prepare two or more drafts of a paper or assignment before turning it in	cdrafting	1	Never	34	2		13	1	20	3	8	1	25	3						
		2	Sometimes	558	33		280	31	272	35	223	33	309	33						
		3	Often	739	44	2.8	407	46	328	43	285	43	430	46	2.9	2.8 *	.11	2.9	2.8	.09
		4	Very often	344	21		193	22	149	19	154	23	176	19						
		Total		1,675	100		893	100	769	100	670	100	940	100						
j Come to class without completing readings or assignments	cunprepard	1	Never	1,128	68		611	69	506	66	488	73	603	65						
		2	Sometimes	379	23		173	20	203	27	120	18	244	26						
		3	Often	90	5	1.5	58	7	32	4	33	5	52	6	1.5	1.4	.05	1.4	1.5 *	-.11
		4	Very often	67	4		44	5	23	3	26	4	34	4						
		Total		1,664	100		886	100	764	100	667	100	933	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	15	1		10	1	4	1	5	1	8	1						
		2	Sometimes	171	10		91	10	79	10	71	11	90	10						
		3	Often	720	43	3.3	406	45	308	40	304	45	388	41	3.3	3.4 *	-.10	3.3	3.4	-.08
		4	Very often	773	46		388	43	379	49	294	44	454	48						
		Total		1,679	100		895	100	770	100	674	100	940	100						
b. People from an economic background other than your own	cDVeconomic	1	Never	19	1		13	1	6	1	7	1	9	1						
		2	Sometimes	223	13		134	15	85	11	86	13	125	13						
		3	Often	702	42	3.3	384	43	315	41	308	46	368	39	3.2	3.3 ***	-.16	3.3	3.3	-.08
		4	Very often	735	44		364	41	364	47	273	41	438	47						
		Total		1,679	100		895	100	770	100	674	100	940	100						
c. People with religious beliefs other than your own	cDVreligion	1	Never	46	3		32	4	14	2	16	2	27	3						
		2	Sometimes	259	15		157	18	97	13	98	15	146	16						
		3	Often	676	40	3.2	366	41	308	40	299	44	354	38	3.1	3.3 ***	-.20	3.2	3.2	-.04
		4	Very often	699	42		341	38	351	46	262	39	414	44						
		Total		1,680	100		896	100	770	100	675	100	941	100						
d. People with political views other than your own	cDVpolitical	1	Never	46	3		28	3	16	2	12	2	28	3						
		2	Sometimes	319	19		197	22	118	15	132	20	173	18						
		3	Often	669	40	3.1	353	39	314	41	275	41	371	40	3.1	3.2 ***	-.19	3.1	3.1	.00
		4	Very often	644	38		317	35	321	42	256	38	367	39						
		Total		1,678	100		895	100	769	100	675	100	939	100						

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

Frequencies and Statistical Comparisons

California State University, Chico

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
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	20	1	10	1	9	1	5	1	13	1							
		2		54	3	24	3	30	4	20	3	33	4							
		3		338	20	174	19	161	21	109	16	213	23							
		4		667	40	353	39	307	40	249	37	394	42	4.2	4.1	.09	4.3	4.1 ***	.23	
		5		400	24	224	25	174	23	204	30	185	20							
		6	Very certain	194	12	109	12	84	11	84	13	100	11							
		Total		1,673	100	894	100	765	100	671	100	938	100							
b. Find additional information for course assignments when you don't understand the material	cfindinfo	1	Not at all certain	16	1	10	1	6	1	4	1	10	1							
		2		20	1	12	1	8	1	6	1	14	1							
		3		133	8	68	8	64	8	44	7	81	9							
		4		409	24	215	24	191	25	147	22	242	26	4.8	4.8	.07	4.9	4.8 **	.14	
		5		618	37	307	34	304	40	269	40	332	35							
		6	Very certain	478	29	283	32	192	25	201	30	259	28							
		Total		1,674	100	895	100	765	100	671	100	938	100							
c. Participate regularly in course discussions, even when you don't feel like it	ccourdis	1	Not at all certain	15	1	8	1	6	1	3	0	10	1							
		2		88	5	43	5	45	6	35	5	52	6							
		3		337	20	194	22	142	19	131	19	194	21							
		4		588	35	306	34	275	36	223	33	335	36	4.2	4.2	.01	4.2	4.1 *	.11	
		5		437	26	220	25	214	28	184	27	242	26							
		6	Very certain	209	12	123	14	84	11	97	14	103	11							
		Total		1,674	100	894	100	766	100	673	100	936	100							
d. Ask instructors for help when you struggle with course assignments	caskinst	1	Not at all certain	16	1	10	1	6	1	2	0	12	1							
		2		23	1	12	1	11	1	7	1	14	1							
		3		145	9	78	9	66	9	61	9	81	9							
		4		357	21	174	19	180	24	127	19	216	23	4.9	4.8	.08	5.0	4.8 *	.12	
		5		553	33	290	32	262	34	227	34	305	33							
		6	Very certain	579	35	331	37	239	31	247	37	309	33							
		Total		1,673	100	895	100	764	100	671	100	937	100							

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

Frequencies and Statistical Comparisons

California State University, Chico

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		Yes	No	ES	A- or higher	B+ or lower	ES
e. Finish something you have started when you encounter challenges	cfinish	1	Not at all certain	13	1		9	1	4	1	1	0	10	1						
		2		11	1		7	1	4	1	4	1	6	1						
		3		110	7		70	8	40	5	40	6	64	7						
		4		380	23	4.9	210	24	163	21	133	20	231	25	4.9	5.0	-.09	5.0	4.8 ***	.18
		5		623	37		306	34	315	41	249	37	354	38						
		6	Very certain	531	32		289	32	237	31	241	36	270	29						
		Total		1,668	100		891	100	763	100	668	100	935	100						
f. Stay positive, even when you do poorly on a test or assignment	cstaypos	1	Not at all certain	27	2		15	2	12	2	5	1	20	2						
		2		42	3		19	2	23	3	21	3	21	2						
		3		225	14		121	14	101	13	77	12	133	14						
		4		412	25	4.6	223	25	187	25	156	23	237	25	4.7	4.6	.04	4.7	4.6	.09
		5		476	29		236	27	238	31	212	32	248	27						
		6	Very certain	484	29		275	31	202	26	198	30	275	29						
		Total		1,666	100		889	100	763	100	669	100	934	100						
18. During the coming school year, how difficult do you expect the following to be?																				
a. Learning course material	clearnma	1	Not at all difficult	34	2		13	1	21	3	13	2	21	2						
		2		113	7		52	6	60	8	47	7	63	7						
		3		389	23		203	23	185	24	152	23	221	24						
		4		699	42	3.9	369	42	322	42	277	41	389	41	4.0	3.8 **	.14	3.9	3.9	.01
		5		358	21		201	23	153	20	152	23	197	21						
		6	Very difficult	82	5		51	6	31	4	29	4	49	5						
		Total		1,675	100		889	100	772	100	670	100	940	100						
b. Managing your time	emantime	1	Not at all difficult	39	2		21	2	18	2	19	3	20	2						
		2		114	7		51	6	63	8	61	9	45	5						
		3		301	18		172	19	128	17	121	18	165	18						
		4		477	28	4.2	249	28	223	29	196	29	267	28	4.2	4.2	.04	4.1	4.3 **	-.15
		5		467	28		239	27	223	29	165	25	285	30						
		6	Very difficult	278	17		158	18	118	15	108	16	159	17						
		Total		1,676	100		890	100	773	100	670	100	941	100						

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

Frequencies and Statistical Comparisons

California State University, Chico

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
c. Paying college or university expenses	cpaycoll	1	Not at all difficult	135	8	3.9	33	4	101	13	52	8	78	8	4.3	3.5 ***	.55	4.0	3.9	.03
		2		210	13		81	9	129	17	77	11	128	14						
		3		301	18		133	15	168	22	124	19	167	18						
		4		345	21		196	22	146	19	149	22	178	19						
		5		350	21		224	25	122	16	132	20	203	22						
		6	Very difficult	330	20		222	25	105	14	136	20	183	20						
	Total	1,671	100			889	100	771	100	670	100	937	100							
d. Getting help with school work	cgethelp	1	Not at all difficult	162	10	3.0	78	9	84	11	70	10	88	9	3.1	2.9 ***	.22	2.9	3.1 *	-.10
		2		423	25		217	24	205	27	189	28	222	24						
		3		522	31		250	28	268	35	203	30	299	32						
		4		380	23		222	25	156	20	137	20	224	24						
		5		145	9		91	10	53	7	60	9	78	8						
		6	Very difficult	39	2		31	3	5	1	11	2	26	3						
	Total	1,671	100			889	100	771	100	670	100	937	100							
e. Making new friends	cmakefr	1	Not at all difficult	306	18	2.8	145	16	158	21	115	17	184	20	3.0	2.6 ***	.24	2.8	2.8	.03
		2		474	29		224	25	250	33	201	30	261	28						
		3		396	24		221	25	173	23	148	22	230	25						
		4		270	16		159	18	107	14	118	18	137	15						
		5		126	8		75	8	51	7	52	8	70	7						
		6	Very difficult	89	5		60	7	27	4	31	5	52	6						
	Total	1,661	100			884	100	766	100	665	100	934	100							
f. Interacting with faculty	cintfac	1	Not at all difficult	272	16	2.8	141	16	129	17	109	16	152	16	2.9	2.7 **	.14	2.8	2.9	-.08
		2		424	25		207	23	215	28	193	29	221	24						
		3		473	28		257	29	216	28	182	27	272	29						
		4		340	20		183	21	153	20	127	19	197	21						
		5		112	7		69	8	42	5	43	6	63	7						
		6	Very difficult	48	3		33	4	13	2	16	2	31	3						
	Total	1,669	100			890	100	768	100	670	100	936	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	10	1	2.8	1	0	9	1	3	0	7	1	2.9	2.7 ***	.25	2.8	2.8	-.02
		2	Sometimes	574	34		266	30	305	40	236	35	314	34						
		3	Often	780	47		438	49	337	44	311	46	443	47						
		4	Very often	310	19		189	21	119	15	123	18	173	18						

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

Frequencies and Statistical Comparisons

California State University, Chico

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	
				Yes		No		A- or higher		B+ or lower		Yes	No	ES	A- or higher	B+ or lower	ES	
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES
	Total	1,674	100	894	100	770	100	673	100	937	100							

Frequencies and Statistical Comparisons

California State University, Chico

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
b. Academic advisors	cseekaa	1	Never	19	1			3	0	16	2	7	1	11	1							
		2	Sometimes	486	29			211	24	272	35	196	29	269	29							
		3	Often	811	49	2.9		440	49	366	48	323	48	462	49	3.0	2.8 ***	.37	2.9	2.9	.01	
		4	Very often	355	21			237	27	116	15	146	22	193	21							
		Total		1,671	100			891	100	770	100	672	100	935	100							
c. Learning support services (tutoring, writing center, success coaching, etc.)	cseekls	1	Never	44	3			11	1	33	4	17	3	25	3							
		2	Sometimes	431	26			190	21	237	31	176	26	239	26							
		3	Often	733	44	3.0		397	44	333	43	299	44	411	44	3.1	2.8 ***	.35	3.0	3.0	-.02	
		4	Very often	465	28			297	33	165	21	181	27	261	28							
		Total		1,673	100			895	100	768	100	673	100	936	100							
d. Friends or other students	cseekfnd	1	Never	10	1			5	1	5	1	3	0	7	1							
		2	Sometimes	286	17			164	18	120	16	128	19	146	16							
		3	Often	791	47	3.2		410	46	376	49	318	47	441	47	3.2	3.2	-.03	3.1	3.2	-.09	
		4	Very often	587	35			316	35	268	35	224	33	343	37							
		Total		1,674	100			895	100	769	100	673	100	937	100							
e. Family members	cseekfam	1	Never	413	25			234	26	177	23	158	24	244	26							
		2	Sometimes	681	41			355	40	320	42	270	40	387	41							
		3	Often	366	22	2.2		186	21	179	23	162	24	186	20	2.2	2.2	-.03	2.3	2.2	.05	
		4	Very often	215	13			120	13	94	12	82	12	122	13							
		Total		1,675	100			895	100	770	100	672	100	939	100							
f. Other persons or offices	cseekoth	1	Never	204	12			93	10	110	14	85	13	113	12							
		2	Sometimes	902	54			453	51	441	57	366	54	502	54							
		3	Often	421	25	2.3		257	29	164	21	170	25	236	25	2.4	2.2 ***	.22	2.3	2.3	-.05	
		4	Very often	146	9			90	10	55	7	51	8	87	9							
		Total		1,673	100			893	100	770	100	672	100	938	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	9	1			4	0	5	1	2	0	7	1							
		2		36	2			28	3	8	1	12	2	23	2							
		3		172	10			96	11	75	10	51	8	113	12							
		4		520	31	4.6		311	35	207	27	200	30	297	32	4.5	4.7 ***	-.18	4.7	4.6 ***	.19	
		5		543	33			260	29	279	36	230	34	295	32							
		6	Very prepared	389	23			195	22	193	25	176	26	200	21							
		Total		1,669	100			894	100	767	100	671	100	935	100							

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

Frequencies and Statistical Comparisons

California State University, Chico

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
b. Speak clearly and effectively	cSGspeak	1	Not at all prepared	5	0		4	0	1	0	1	0	4	0							
		2		49	3		32	4	17	2	14	2	34	4							
		3		205	12		132	15	73	10	73	11	121	13							
		4		480	29	4.6	277	31	200	26	198	30	264	28	4.5	4.7 ***	-.24	4.7	4.6	.09	
		5		535	32		257	29	274	36	222	33	297	32							
		6	Very prepared	395	24		192	21	202	26	163	24	215	23							
	Total	1,669	100		894	100	767	100	671	100	935	100									
c. Think critically and analytically	cSGthink	1	Not at all prepared	4	0		3	0	1	0	0	0	4	0							
		2		23	1		20	2	3	0	10	1	12	1							
		3		181	11		127	14	53	7	57	8	113	12							
		4		471	28	4.7	265	30	203	27	170	25	278	30	4.5	4.8 ***	-.32	4.8	4.6 **	.16	
		5		604	36		302	34	300	39	267	40	322	35							
		6	Very prepared	381	23		175	20	204	27	167	25	201	22							
	Total	1,664	100		892	100	764	100	671	100	930	100									
d. Analyze numerical and statistical information	cSGanalyze	1	Not at all prepared	15	1		13	1	2	0	4	1	8	1							
		2		69	4		48	5	21	3	18	3	50	5							
		3		339	20		211	24	126	16	112	17	215	23							
		4		497	30	4.3	275	31	219	29	194	29	278	30	4.1	4.5 ***	-.30	4.4	4.2 ***	.22	
		5		480	29		223	25	255	33	230	34	237	26							
		6	Very prepared	264	16		122	14	141	18	114	17	141	15							
	Total	1,664	100		892	100	764	100	672	100	929	100									
e. Work effectively with others	cSGothers	1	Not at all prepared	5	0		2	0	3	0	1	0	4	0							
		2		13	1		10	1	3	0	5	1	7	1							
		3		91	5		54	6	37	5	29	4	57	6							
		4		330	20	5.0	199	22	129	17	125	19	189	20	5.0	5.1 **	-.16	5.1	5.0	.09	
		5		618	37		325	36	292	38	258	39	343	37							
		6	Very prepared	607	36		301	34	301	39	252	38	333	36							
	Total	1,664	100		891	100	765	100	670	100	933	100									
f. Use computing and information technology	cgncmpt13	1	Not at all prepared	13	1		10	1	3	0	5	1	7	1							
		2		60	4		36	4	24	3	19	3	38	4							
		3		261	16		146	16	113	15	109	16	143	15							
		4		481	29	4.5	268	30	210	27	180	27	281	30	4.4	4.5 **	-.14	4.5	4.4	.04	
		5		512	31		266	30	245	32	223	33	273	29							
		6	Very prepared	339	20		165	19	172	22	134	20	191	20							

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

Frequencies and Statistical Comparisons

California State University, Chico

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
		Total		1,666	100			891	100	767	100	670	100	933	100						
g. Learn effectively on your own	cgningq	1	Not at all prepared	11	1			9	1	2	0	2	0	8	1						
		2		35	2			27	3	8	1	10	1	23	2						
		3		172	10			111	12	59	8	55	8	110	12						
		4		465	28	4.7		269	30	193	25	152	23	294	32	4.5	4.8 ***	-.29	4.8	4.6 ***	.26
		5		564	34			279	31	284	37	261	39	285	31						
		6	Very prepared	418	25			196	22	220	29	191	28	212	23						
		Total		1,665	100			891	100	766	100	671	100	932	100						
21. How important is it to you that your institution provides the following?																					
a. A challenging academic experience	cacadexp	1	Not important	21	1			13	1	8	1	5	1	15	2						
		2		63	4			32	4	30	4	19	3	44	5						
		3		291	17			152	17	139	18	90	13	187	20						
		4		651	38	4.2		361	40	288	36	266	39	357	37	4.2	4.3	-.03	4.4	4.2 ***	.22
		5		451	27			225	25	224	28	199	29	241	25						
		6	Very important	224	13			120	13	103	13	102	15	112	12						
		Total		1,701	100			903	100	792	100	681	100	956	100						
b. Support to help students succeed academically	cSEacad	1	Not important	4	0			2	0	2	0	1	0	3	0						
		2		10	1			5	1	5	1	3	0	7	1						
		3		72	4			42	5	30	4	18	3	48	5						
		4		230	14	5.3		124	14	106	13	97	14	127	13	5.3	5.3	.00	5.3	5.2	.09
		5		501	30			253	28	246	31	197	29	288	30						
		6	Very important	881	52			476	53	401	51	364	54	482	50						
		Total		1,698	100			902	100	790	100	680	100	955	100						
c. Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	cSEdiv	1	Not important	17	1			6	1	11	1	7	1	9	1						
		2		42	2			16	2	26	3	12	2	28	3						
		3		176	10			87	10	89	11	61	9	107	11						
		4		350	21	4.8		173	19	177	22	152	22	188	20	4.9	4.7 ***	.17	4.9	4.8	.06
		5		513	30			276	31	233	29	205	30	295	31						
		6	Very important	603	35			345	38	256	32	244	36	329	34						
		Total		1,701	100			903	100	792	100	681	100	956	100						

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

Frequencies and Statistical Comparisons

California State University, Chico

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		Yes	No	ES	A- or higher	B+ or lower	ES	
d. Help managing your non-academic responsibilities (work, family, etc.)	cSEacad	1	Not important	27	2		11	1	16	2	11	2	15	2							
		2		71	4		31	3	40	5	27	4	43	5							
		3		215	13		91	10	123	16	80	12	130	14							
		4		414	24	4.6	195	22	219	28	164	24	233	24	4.7	4.4 ***	.27	4.6	4.6		.05
		5		510	30		295	33	213	27	217	32	276	29							
		6	Very important	461	27		277	31	181	23	183	27	255	27							
	Total	1,698	100		900	100	792	100	682	100	952	100									
e. Opportunities to be involved socially	cSEsoc	1	Not important	14	1		5	1	9	1	6	1	8	1							
		2		26	2		17	2	9	1	9	1	17	2							
		3		149	9		84	9	65	8	49	7	95	10							
		4		369	22	4.9	204	23	165	21	148	22	208	22	4.9	4.9	-.04	4.9	4.8		.10
		5		552	33		283	31	267	34	219	32	310	33							
		6	Very important	584	34		308	34	272	35	248	37	313	33							
	Total	1,694	100		901	100	787	100	679	100	951	100									
f. Opportunities to attend campus activities and events	cSEact	1	Not important	15	1		5	1	10	1	7	1	8	1							
		2		34	2		19	2	15	2	15	2	17	2							
		3		130	8		73	8	57	7	44	6	80	8							
		4		374	22	4.9	200	22	174	22	137	20	227	24	4.9	4.9	.00	4.9	4.8		.08
		5		575	34		303	34	271	34	236	35	309	32							
		6	Very important	570	34		301	33	264	33	243	36	311	33							
	Total	1,698	100		901	100	791	100	682	100	952	100									
g. Learning support services (tutoring, writing center, success coaching, etc.)	cSEserv	1	Not important	13	1		6	1	7	1	6	1	7	1							
		2		23	1		10	1	13	2	7	1	16	2							
		3		131	8		59	7	72	9	42	6	82	9							
		4		273	16	5.1	124	14	149	19	97	14	169	18	5.2	4.9 ***	.20	5.1	5.0 *		.10
		5		501	29		264	29	236	30	222	33	262	27							
		6	Very important	759	45		439	49	315	40	308	45	418	44							
	Total	1,700	100		902	100	792	100	682	100	954	100									

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

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

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.

1. **Student status:** Class level as reported by your students.
2. **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.
3. **Mean:** The unweighted scale mean is reported overall for the institution, as well as by first-generation status and high school grades.
4. **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

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	
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	**
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	**
Student-Faculty Interaction											
<i>Expectation to interact and engage with faculty</i>	EXP_SFI	30.4	11.5	1234	29.9	30.9		-.09	30.6	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	***
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	***
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	***
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	***

5. **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

California State University, Chico

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	31.4	13.6	1667	30.6	32.4	**	-.13	31.7	31.3	.03
Learning Strategies <i>Use of effective learning strategies in high school</i>	HS_LS	39.0	12.4	1662	39.9	38.0	**	.15	40.1	38.4	** .14
Collaborative Learning <i>Expectation to interact and collaborate with peers</i>	EXP_CL	40.2	10.9	1676	40.6	39.7		.08	39.6	40.8	* -.11
Student-Faculty Interaction <i>Expectation to interact and engage with faculty</i>	EXP_SFI	34.9	12.5	1680	36.9	32.6	***	.35	35.1	34.6	.04
Expected Discussions with Diverse Others <i>Expectation to engage in discussions with diverse others</i>	EXP_DD	44.8	13.7	1678	43.7	46.2	***	-.18	44.6	45.3	-.05
Expected Academic Perseverance <i>Student certainty that they will persist in the face of academic adversity</i>	EXP_PER	43.1	9.4	1675	43.3	42.9		.05	44.3	42.4	*** .20
Expected Academic Difficulty <i>Expected academic difficulty during the coming year</i>	EXP_DIF	29.9	10.0	1675	30.8	28.9	***	.19	29.2	30.4	* -.12
Perceived Academic Preparation <i>Student perception of their academic preparation</i>	PER_PREP	43.5	9.4	1669	42.1	45.0	***	-.31	44.6	42.7	*** .20
Importance of Campus Environment <i>Student-rated importance that the institution provides a challenging and supportive environment</i>	IMP_CAMP	45.8	9.4	1701	46.3	45.2	*	.12	46.5	45.3	** .14

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, cSEnacad, cSEsoc, cSEact, cSEserv

(1111 - 1111)

provides a challenging and supportive environment

COLLECT, COLLECT

- 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.