Illinois State University

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2020

University Assessment Services, Beginning College Survey of Student Engagement: First-Year Student Institutional Report, 2020

Illinois State University

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BCSSE 2020
First-Year Student Institutional Report
Illinois State University

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 2020.
- Web respondents who graduated high school in 2019 or 2018 and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2019 or 2018 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.

Older students were those respondents who met one of the following criteria:

- Web respondents who graduated high school in 2017 or earlier and did not attend another institution since graduating high school.
- Web respondents who graduated high school in 2017 or earlier and did attend another institution since graduating high school and expects to transfer 11 or fewer credits.
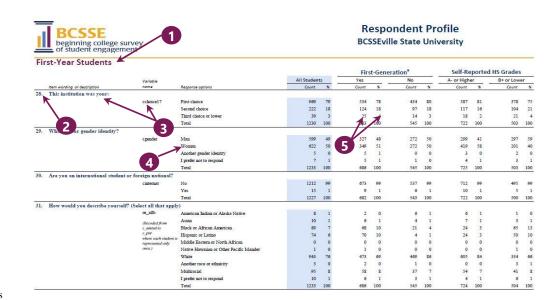
BCSSE 2020
First-Year Student Respondent Profile

Illinois State University

BCSSE
beginning college survey of student engagement

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.

1. **Student status:** As reported by your students.

2. **Item numbers:** Numbering corresponds to the survey facsimile and codebook available on the BCSSE website.

3. **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.

4. **Response options:** Response options are worded as they appear on the instrument (except where abbreviations are used for formatting purposes).

5. **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 (sample report excerpt showing First-Year Students demographic tables with callout markers 1–5)

Respondent Profile
Illinois State University

First-Year Students

Item wording or description	Variable name	Response options	All Students Count	%	First-Generation[a] Yes Count	%	No Count	%	Self-Reported HS Grades A- or Higher Count	%	B+ or Lower Count	%
Number of Surveys Completed	bmodecmp											
Mode of completion		Paper	0	0								
		Web	1,008	100								
		Total	1,008	100								
1. Please indicate the year you graduated from high school:												
	hgradyr	Prior to 2017	0	0	0	0	0	0	0	0	0	0
		2017	0	0	0	0	0	0	0	0	0	0
		2018	8	1	1	0	3	1	4	1	4	1
		2019	20	2	8	3	8	2	8	1	12	3
		2020	966	97	249	97	487	98	542	98	418	96
		Total	994	100	258	100	498	100	554	100	434	100
W1. Since graduating from high school, which of the following have you done? (Select all that apply.)												
(Online survey respondents only. The paper survey did not include this item.)	tattend	Attend another college or university	5	17	2	22	1	8	1	8	4	24
	tmilitary	Military service	4	14	1	11	2	15	1	8	3	18
	twork_ft	Work full-time	9	31	2	22	3	23	4	33	5	29
	twork_pt	Work part-time	19	66	6	67	12	92	8	67	11	65
	thome	Homemaker or stay at home spouse	0	0	0	0	0	0	0	0	0	0
	tvolunteer	Volunteer	5	17	1	11	3	23	3	25	2	12
	tsinceoth	Other	1	3	1	11	0	0	1	8	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.)												
(Online survey respondents only. The paper survey did not include this item.)	tattend_voc	Vocational or technical school	0	0	0	0	0	0	0	0	0	0
	tattend_com	Community or junior college	4	100	1	100	1	100	0	0	4	100
	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?												
(Online survey respondents only. The paper survey did not include this item.)	ttrnsfr_cr	0	0	0	0	0	0	0	0	0	0	0
		1-11	4	100	1	100	1	100	0	0	4	100
		12-30	0	0	0	0	0	0	0	0	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	4	100	1	100	1	100	0	0	4	100

Respondent Profile
Illinois State University

First-Year Students

| | | | All Students | | First-Generation[a] | | | | Self-Reported HS Grades | | | |
| | | | | | Yes | | No | | A- or Higher | | B+ or Lower | |
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%
2. From which type of high school did you graduate? (Select only one.)												
	htype13	Public	751	95	200	96	379	94	423	95	326	94
		Private, religiously-affiliated	27	3	4	2	18	4	15	3	12	3
		Private, not religiously affiliated	0	0	0	0	0	0	0	0	0	0
		Home school	8	1	2	1	4	1	6	1	2	1
		Other (e.g., G.E.D.)	8	1	3	1	4	1	3	1	5	1
		Total	794	100	209	100	405	100	447	100	345	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	4	0	0	0	1	0	0	0	4	1
		C+	14	1	4	2	5	1	0	0	14	3
		B-	37	4	17	7	12	2	0	0	37	9
		B	167	17	50	19	70	14	0	0	167	38
		B+	212	21	51	20	108	22	0	0	212	49
		A-	164	17	38	15	82	16	164	30	0	0
		A	352	36	90	35	195	39	352	64	0	0
		A+	38	4	8	3	25	5	38	7	0	0
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	988	100	258	100	498	100	554	100	434	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	886	93	230	91	458	94	510	95	375	92
	hprecalc13	Pre-calculus/Trigonometry	664	73	172	69	362	74	428	81	236	61
	hcalc13	Calculus	250	29	57	23	143	29	192	38	57	16
	hstats13	Probability or Statistics	296	34	73	29	164	34	185	37	111	30
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	23	3	11	5	10	2	12	2	11	3
		901 - 1000	75	9	27	11	30	6	26	5	49	14
		1001 - 1100	213	25	64	27	106	23	98	20	115	32
		1101 - 1200	222	26	74	31	119	25	110	23	112	31
		1201 - 1300	181	21	40	17	114	24	129	27	52	14
		1301 - 1400	103	12	18	8	71	15	85	18	18	5
		1401 - 1600	25	3	4	2	18	4	23	5	2	1
		Total	842	100	238	100	468	100	483	100	359	100

Respondent Profile
Illinois State University

First-Year Students

Item wording or description	Variable name	Response options	All Students Count	%	First-Generation[a] Yes Count	%	No Count	%	Self-Reported HS Grades A- or Higher Count	%	B+ or Lower Count	%
22. Which of the following sources are you using to pay for 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	625	83	191	74	432	88	369	84	256	81
		Not using	76	10	40	16	36	7	46	11	30	10
		Not sure	51	7	26	10	24	5	22	5	29	9
		Total	752	100	257	100	492	100	437	100	315	100
Loans	cloans	Using	388	52	147	57	239	49	215	49	173	55
		Not using	268	36	83	32	185	38	168	39	100	32
		Not sure	94	13	27	11	66	13	53	12	41	13
		Total	750	100	257	100	490	100	436	100	314	100
Grants or scholarships	cgrants	Using	653	87	216	84	435	88	407	93	246	79
		Not using	60	8	25	10	35	7	15	3	45	14
		Not sure	38	5	15	6	22	4	16	4	22	7
		Total	751	100	256	100	492	100	438	100	313	100
Employment on- or off-campus	cjob	Using	347	46	121	47	224	46	191	44	156	50
		Not using	220	29	65	25	155	32	133	31	87	28
		Not sure	183	24	71	28	111	23	111	26	72	23
		Total	750	100	257	100	490	100	435	100	315	100
Personal savings or other sources	cpersonal	Using	501	67	175	68	324	66	289	66	212	67
		Not using	136	18	36	14	99	20	77	18	59	19
		Not sure	115	15	46	18	69	14	71	16	44	14
		Total	752	100	257	100	492	100	437	100	315	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	3	0	2	1	1	0	1	0	2	1
		C+	6	1	2	1	4	1	0	0	6	2
		B-	31	4	13	5	18	4	5	1	26	8
		B	175	23	65	25	110	22	63	14	112	35
		B+	200	26	76	29	124	25	107	24	93	29
		A-	201	27	58	22	142	29	148	34	53	17
		A	142	19	42	16	99	20	116	26	26	8
		Grades not used	0	0	0	0	0	0	0	0	0	0
		Total	758	100	258	100	498	100	440	100	318	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	1	0	0	0	1	0	1	0	0	0
		Yes	719	95	245	95	472	95	425	97	294	93
		Uncertain	36	5	13	5	23	5	13	3	23	7
		Total	756	100	258	100	496	100	439	100	317	100
25. Do you know what your major will be?												
	cmajor	No	91	12	33	13	58	12	42	10	49	15
		Yes, specify	666	88	225	87	439	88	398	90	268	85
		Total	757	100	258	100	497	100	440	100	317	100
(Recoded variable cmajcode into one of 12 major categories listed at right.)	cmajrcol	Arts & Humanities	46	7	13	6	32	7	24	6	22	8
		Biological Sci., Agriculture, & Natural Resources	42	6	11	5	31	7	29	7	13	5
		Physical Sci., Mathematics, & Computer Science	40	6	10	4	30	7	31	8	9	3
		Social Sciences	49	7	21	9	27	6	23	6	26	10
		Business	115	17	41	18	74	17	57	14	58	22
		Communications, Media, & Public Relations	18	3	5	2	13	3	9	2	9	3
		Education	199	30	67	30	132	30	128	32	71	26
		Engineering	4	1	2	1	2	0	2	1	2	1
		Health Professions	94	14	27	12	67	15	72	18	22	8
		Social Service Professions	31	5	16	7	15	3	12	3	19	7
		All Other	27	4	11	5	16	4	11	3	16	6
		Undecided, Undeclared	2	0	1	0	1	0	0	0	2	1
		Total	667	100	225	100	440	100	398	100	269	100
26. Are you (or will you be) a full-time student at this institution?												
	cfulltime18	No	2	0	1	0	1	0	1	0	1	0
		Yes	755	100	256	100	497	100	439	100	316	100
		Total	757	100	257	100	498	100	440	100	317	100
27. How many of your close friends will attend this institution during the coming year?												
	cfriends	None	261	35	102	40	158	32	165	38	96	30
		1	162	21	53	21	108	22	88	20	74	23
		2	131	17	43	17	88	18	73	17	58	18
		3	71	9	19	7	52	10	41	9	30	9
		4 or more	131	17	41	16	90	18	72	16	59	19

Respondent Profile
Illinois State University

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	%
		Total	756	100	258	100	496	100	439	100	317	100

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Respondent Profile
Illinois State University

First-Year Students

Item wording or description	Variable name	Response options	All Students Count	%	First-Generation[a] Yes Count	%	No Count	%	Self-Reported HS Grades A- or Higher Count	%	B+ or Lower Count	%
28. This institution was your:												
	cchoice17	First choice	525	69	160	62	363	73	319	73	206	65
		Second choice	177	23	63	24	114	23	95	22	82	26
		Third choice or lower	56	7	35	14	21	4	26	6	30	9
		Total	758	100	258	100	498	100	440	100	318	100
29. What is your gender identity?												
	cgender	Man	257	34	79	31	178	36	124	28	133	42
		Woman	495	65	176	68	317	64	315	72	180	57
		Another gender identity	2	0	1	0	1	0	0	0	2	1
		I prefer not to respond	3	0	1	0	2	0	1	0	2	1
		Total	757	100	257	100	498	100	440	100	317	100
30. Are you an international student?												
	cinternat	No	750	99	255	99	493	99	434	99	316	99
		Yes	7	1	3	1	4	1	5	1	2	1
		Total	757	100	258	100	497	100	439	100	318	100
31. How would you describe yourself? (Select all that apply)												
	crace	American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0
	(Recoded from c_amind to c_pnr where each student is represented only once.)	Asian	21	3	4	2	17	3	10	2	11	3
		Black or African American	70	9	39	15	31	6	27	6	43	14
		Hispanic or Latino	50	7	39	15	11	2	21	5	29	9
		Middle Eastern or North African	3	0	1	0	2	0	2	0	1	0
		Native Hawaiian or Other Pacific Islander	0	0	0	0	0	0	0	0	0	0
		White	543	72	150	58	392	79	349	79	194	61
		Another race or ethnicity	2	0	1	0	1	0	1	0	1	0
		Multiracial	66	9	23	9	43	9	29	7	37	12
		I prefer not to respond	0	0	0	0	0	0	0	0	0	0
		Total	755	100	257	100	497	100	439	100	316	100

First-Year Students

Item wording or description	Variable name	Response options	All Students Count	All Students %	First-Generation[a] Yes Count	Yes %	First-Generation[a] No Count	No %	Self-Reported HS Grades A- or Higher Count	A- %	B+ or Lower Count	B+ %
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	20	3	20	8	0	0	10	2	10	3
		High school diploma or G.E.D.	103	14	103	40	0	0	57	13	46	14
		Attended college, but did not complete degree	66	9	66	26	0	0	32	7	34	11
		Associate's degree (AA, AS, etc.)	69	9	69	27	0	0	37	8	32	10
		Bachelor's degree (BA, BS, etc.)	283	37	0	0	283	57	170	39	113	36
		Master's degree (MA, MS, etc.)	183	24	0	0	183	37	110	25	73	23
		Doctoral or professional degree (PhD, JD, MD, etc.)	32	4	0	0	32	6	22	5	10	3
		Total	756	100	258	100	498	100	438	100	318	100
First-generation status *(Neither parent holds a bachelor's degree. Recoded from cpardegr18)*	bfirstgen	First-generation	258	34	258	100	0	0	136	31	122	38
		Not first-generation	498	66	0	0	498	100	302	69	196	62
		Total	756	100	258	100	498	100	438	100	318	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)	587	78	205	79	381	77	345	79	242	76
		Fraternity or sorority house	2	0	0	0	2	0	1	0	1	0
		House, apartment, or other residence *within walking distance* to campus	45	6	15	6	30	6	21	5	24	8
		House, apartment, or other residence *farther than walk. dist.* to campus	54	7	12	5	42	8	36	8	18	6
		Not applicable: No campus, entirely online program, etc.	68	9	26	10	42	8	36	8	32	10
		Not applicable: Homeless or in transition	0	0	0	0	0	0	0	0	0	0
		Total	756	100	258	100	497	100	439	100	317	100

BCSSE 2020
First-Year Student Frequencies and Statistical Comparisons
Illinois State University

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 (bcsse.indiana.edu) or contact a member of the BCSSE team.

1. **Student status:** As reported by your students.

2. **Item numbers:** Numbering corresponds to the survey facsimile and codebook available on the BCSSE website.

3. **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.

4. **Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.

5. **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.

6. **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.

7. **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.

8. **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 — BCSSEville State University

BCSSE beginning college survey of student engagement

First-Year Students

				Frequency Distributions									Statistical Comparisons					
						First-Generation[a]				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades	
				All Students			Yes		No		A- or higher		B+ or lower		Yes	No		A- or higher	B+ or lower	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES

6. During high school, how many of the following types of classes did you complete?

Item wording or description	Variable name	Values	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
a. Advanced Placement (AP) classes	hapcl13num *(Recoded version of hapcl13 created by BCSSE. Values are estimated number of AP classes.)*	0	0	280	31		77	31	151	31	138	27	142	37						
		1.5	1-2	295	33		80	32	165	34	161	32	134	35						
		3.5	3-4	179	20		54	21	92	19	117	23	62	16						
		5.5	5-6	91	10	2.2	31	12	51	10	62	12	29	8	2.2	2.3	-.01	2.5	1.8 ***	.30
		7.5	7-8	27	3		7	3	16	3	19	4	8	2						
		9.5	9-10	12	1		2	1	10	2	10	2	2	1						
		11.5	11 or more	5	1		1	0	3	1	3	1	2	1						
			Total	889	100		252	100	488	100	510	100	379	100						
b. College or university courses for credit	hdc17num *(Recoded version of hdc17 created by BCSSE. Values are estimated number of dual credit classes.)*	0	0	433	49		129	52	235	48	231	46	201	54						
		1.5	1-2	292	33		82	33	151	31	168	33	124	33						
		3.5	3-4	105	12		27	11	66	14	67	13	38	10						
		5.5	5-6	23	3	1.3	9	4	11	2	16	3	7	2	1.2	1.5 *	-.16	1.6	1.0 ***	.28
		7.5	7-8	12	1		2	1	10	2	10	2	2	1						
		9.5	9-10	9	1		1	0	7	1	8	2	1	0						
		11.5	11 or more	6	1		0	0	5	1	6	1	0	0						
			Total	880	100		250	100	485	100	506	100	373	100						
c. International Baccalaureate (IB)	hib17num *(Recoded version of hib17 created by BCSSE. Values are estimated number of international baccaluareate classes.)*	0	0	853	97		238	96	472	98	493	98	359	97						
		1.5	1-2	8	1		2	1	5	1	3	1	5	1						
		3.5	3-4	2	0		2	1	0	0	1	0	1	0						
		5.5	5-6	6	1	0.1	0	0	5	1	4	1	2	1	.3	.1	.19	.1	.2	-.08
		7.5	7-8	3	0		3	1	0	0	2	0	1	0						
		9.5	9-10	2	0		2	1	0	0	0	0	2	1						
		11.5	11 or more	1	0		1	0	0	0	0	0	1	0						
			Total	875	100		248	100	482	100	503	100	371	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?

Item wording or description	Variable name	Values	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
a. Up to 5 pages	hwrshrtnum *(Recoded version of hWRshrt created by BCSSE. Values are estimated number of papers, reports, etc.)*	0	None	65	7		26	10	30	6	31	6	34	9						
		1.5	1-2	238	27		70	27	134	27	134	27	104	27						
		4	3-5	283	32		89	35	141	29	154	31	129	34						
		8	6-10	178	20	5.7	39	15	111	23	110	22	68	18	5.3	6.0	-.13	6.0	5.3	.12
		13	11-15	56	6		11	4	35	7	32	6	24	6						
		18	16-20	23	3		8	3	14	3	13	3	10	3						
		23	More than 20	42	5		13	5	26	5	28	6	14	4						

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

First-Year Students

Item wording or description	Variable name	Values [c] Response options	All Students			First-Generation[a] Yes		No		Self-Reported HS Grades A- or higher		B+ or lower		First-Generation Yes	No		Self-Reported HS Grades A- or higher	B+ or lower	
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
		Total	885	100		256	100	491	100	502	100	383	100						

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Frequency Distributions | **Statistical Comparisons**

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Generation[a] Yes Count	Yes %	First-Generation No Count	No %	HS Grades A- or higher Count	%	HS Grades B+ or lower Count	%	First-Generation Yes Mean	First-Generation No Mean	ES	HS Grades A- or higher Mean	HS Grades B+ or lower Mean	ES
b. Between 6 and 10 pages	hwrmdnum (Recoded version of hWRmd created by BCSSE. Values are estimated number of papers, reports, etc.)	0	None	358	41		110	43	189	38	192	38	166	43						
		1.5	1-2	356	40		100	40	200	41	211	42	145	38						
		4	3-5	119	13		25	10	80	16	67	13	52	14						
		8	6-10	34	4	1.7	11	4	17	3	20	4	14	4	1.8	1.7	.04	1.8	1.6	.06
		13	11-15	12	1		4	2	6	1	9	2	3	1						
		18	16-20	1	0		1	0	0	0	0	0	1	0						
		23	More than 20	2	0		2	1	0	0	1	0	1	0						
			Total	882	100		253	100	492	100	500	100	382	100						
c. 11 pages or more	hwrlngnum (Recoded version of hWRlng created by BCSSE. Values are estimated number of papers, reports, etc.)	0	None	693	79		200	79	382	78	385	77	308	81						
		1.5	1-2	154	18		40	16	94	19	96	19	58	15						
		4	3-5	21	2		7	3	7	1	11	2	10	3						
		8	6-10	4	0	0.5	0	0	4	1	3	1	1	0	.7	.4	.16	.5	.5	.04
		13	11-15	3	0		3	1	0	0	1	0	2	1						
		18	16-20	1	0		1	0	0	0	0	0	1	0						
		23	More than 20	2	0		1	0	0	0	2	0	0	0						
			Total	878	100		252	100	487	100	498	100	380	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?

Item wording or description	Variable name	Values	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	Yes %	First-Gen No Count	No %	HS A- or higher Count	%	HS B+ or lower Count	%	First-Gen Yes Mean	First-Gen No Mean	ES	HS A- or higher Mean	HS B+ or lower Mean	ES
a. Preparing for class (studying, reading, doing homework, etc.)	hacadpr13hrs (Recoded version of hacadpr13 created by BCSSE. Values are estimated number of hours)	0	0	7	1		1	0	4	1	3	1	4	1						
		3	1-5	312	35		99	39	157	32	161	32	151	39						
		8	6-10	312	35		84	33	189	38	168	34	144	38						
		13	11-15	133	15		33	13	78	16	88	18	45	12						
		18	16-20	79	9	8.6	28	11	45	9	50	10	29	8	8.5	8.8	-.04	9.3	7.7 ***	.27
		23	21-25	29	3		10	4	15	3	20	4	9	2						
		28	26-30	6	1		1	0	3	1	5	1	1	0						
		33	More than 30	5	1		1	0	3	1	5	1	0	0						
			Total	883	100		257	100	494	100	500	100	383	100						
b. Working for pay	hworkhrs (Recoded version of hworkhrs created by BCSSE. Values are estimated number of hours)	0	0	255	29		58	23	157	32	160	32	95	25						
		3	1-5	125	14		31	12	76	15	83	17	42	11						
		8	6-10	117	13		33	13	71	14	62	12	55	14						
		13	11-15	134	15		39	15	74	15	73	15	61	16						
		18	16-20	119	13	9.8	41	16	60	12	62	12	57	15	11.9	8.6 ***	.36	8.8	11.1 ***	-.25
		23	21-25	77	9		26	10	40	8	36	7	41	11						
		28	26-30	31	4		16	6	9	2	13	3	18	5						

First-Year Students

Frequency Distributions   **Statistical Comparisons**

Item wording or description	Variable name	Values [c]	Response options	All Students Count	%	Mean	First-Generation[a] Yes Count	%	No Count	%	Self-Reported HS Grades A- or higher Count	%	B+ or lower Count	%	First-Generation Yes Mean	No Mean	ES	Self-Reported HS Grades A- or higher Mean	B+ or lower Mean	ES
		33	More than 30	24	3		12	5	8	2	12	2	12	3						
			Total	882	100		256	100	495	100	501	100	381	100						
c. Participating in co-curricular activities (organizations, school publications, student government, sports, etc.)	hcocurrhrs *(Recoded version of hcocurrhrs created by BCSSE. Values are estimated number of hours)*	0	0	74	8		25	10	33	7	28	6	46	12						
		3	1-5	186	21		67	26	87	18	89	18	97	25						
		8	6-10	166	19		55	21	89	18	95	19	71	19						
		13	11-15	189	21		48	19	113	23	116	23	73	19						
		18	16-20	132	15	11.8	29	11	90	18	87	17	45	12	10.4	12.7 ***	-.26	12.9	10.4 ***	.29
		23	21-25	63	7		14	5	42	8	37	7	26	7						
		28	26-30	27	3		6	2	18	4	17	3	10	3						
		33	More than 30	44	5		12	5	23	5	30	6	14	4						
			Total	881	100		256	100	495	100	499	100	382	100						
d. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	hsocial13hrs *(Recoded version of hsocial13hrs created by BCSSE. Values are estimated number of hours)*	0	0	4	0		3	1	1	0	1	0	3	1						
		3	1-5	235	27		75	29	119	24	145	29	90	24						
		8	6-10	292	33		69	27	176	36	168	34	124	33						
		13	11-15	177	20		57	22	94	19	103	21	74	19						
		18	16-20	80	9	10.6	25	10	47	10	43	9	37	10	10.6	10.8	-.03	9.9	11.4 **	-.21
		23	21-25	50	6		14	5	34	7	24	5	26	7						
		28	26-30	11	1		4	2	6	1	5	1	6	2						
		33	More than 30	32	4		10	4	17	3	11	2	21	6						
			Total	881	100		257	100	494	100	500	100	381	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?

Item wording or description	Variable name	Values	Response options	All Students Count	%	Mean	Yes Count	%	No Count	%	A- or higher Count	%	B+ or lower Count	%	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
	htmread14	1	Very little	206	24		61	24	115	23	122	25	84	22						
		2	Some	417	48		111	44	248	50	243	49	174	46						
		3	About half	180	21	2.1	62	24	93	19	99	20	81	22	2.2	2.1	.05	2.1	2.2	-.13
		4	Most	59	7		18	7	31	6	29	6	30	8						
		5	Almost all	11	1		2	1	7	1	4	1	7	2						
			Total	873	100		254	100	494	100	497	100	376	100						

10. During your *last year* of high school, about how often did you do the following?

Item wording or description	Variable name	Values	Response options	All Students Count	%	Mean	Yes Count	%	No Count	%	A- or higher Count	%	B+ or lower Count	%	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
a. Came to class without completing readings or assignments	hunprepard	1	Never	337	39		101	39	202	41	236	48	101	27						
		2	Sometimes	456	52		129	50	254	51	221	45	235	62						
		3	Often	53	6	1.7	15	6	26	5	26	5	27	7	1.8	1.7	.07	1.6	1.9 ***	-.36
		4	Very often	28	3		11	4	13	3	13	3	15	4						
			Total	874	100		256	100	495	100	496	100	378	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

					Frequency Distributions								Statistical Comparisons					
						First-Generation[a]				Self-Reported HS Grades				First-Generation			Self-Reported HS Grades	
				All Students			Yes		No		A- or higher		B+ or lower		Yes	No		A- or higher	B+ or lower
Item wording or description	Variable name	Values [c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
b. Prepared two or more drafts of a paper or assignment before turning it in	hdrafting	1	Never	137	16		43	17	77	16	82	16	55	15						
		2	Sometimes	407	47		120	47	229	46	227	46	180	48						
		3	Often	235	27	2.3	70	27	129	26	125	25	110	29	2.3	2.3	-.06	2.3	2.3	.03
		4	Very often	95	11		24	9	59	12	63	13	32	8						
			Total	874	100		257	100	494	100	497	100	377	100						
c. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	hQRconclud	1	Never	66	8		26	10	33	7	43	9	23	6						
		2	Sometimes	285	33		89	35	157	32	134	27	151	41						
		3	Often	370	43	2.7	94	37	224	46	229	47	141	38	2.6	2.7	-.11	2.7	2.6	.13
		4	Very often	141	16		43	17	77	16	86	17	55	15						
			Total	862	100		252	100	491	100	492	100	370	100						
d. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	hQRproblm	1	Never	118	14		30	12	64	13	64	13	54	14						
		2	Sometimes	361	42		110	43	205	41	191	39	170	45						
		3	Often	272	31	2.4	80	31	164	33	169	34	103	27	2.5	2.4	.03	2.5	2.4	.10
		4	Very often	115	13		36	14	61	12	66	13	49	13						
			Total	866	100		256	100	494	100	490	100	376	100						
e. Evaluated what others have concluded from numerical information	hQRevaluat	1	Never	106	12		28	11	62	13	57	12	49	13						
		2	Sometimes	366	42		110	43	206	42	202	41	164	44						
		3	Often	296	34	2.4	89	35	176	36	173	35	123	33	2.5	2.4	.04	2.5	2.4	.09
		4	Very often	97	11		29	11	50	10	59	12	38	10						
			Total	865	100		256	100	494	100	491	100	374	100						
f. Identified key information from reading assignments	hLSreading	1	Never	13	2		4	2	6	1	8	2	5	1						
		2	Sometimes	173	20		48	19	93	19	81	16	92	25						
		3	Often	428	49	3.1	136	53	242	49	239	49	189	51	3.0	3.1	-.07	3.1	3.0 ***	.23
		4	Very often	251	29		68	27	153	31	163	33	88	24						
			Total	865	100		256	100	494	100	491	100	374	100						
g. Reviewed your notes after class	hLSnotes	1	Never	34	4		9	4	19	4	15	3	19	5						
		2	Sometimes	261	30		85	33	142	29	139	28	122	33						
		3	Often	350	40	2.9	104	40	200	40	194	40	156	42	2.8	2.9	-.09	2.9	2.8 **	.20
		4	Very often	220	25		59	23	133	27	143	29	77	21						
			Total	865	100		257	100	494	100	491	100	374	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	First-Gen Yes %	First-Gen No Count	First-Gen No %	HS A- or higher Count	HS A- or higher %	HS B+ or lower Count	HS B+ or lower %	Stat First-Gen Yes Mean	Stat First-Gen No Mean	Stat First-Gen ES	Stat HS A- or higher Mean	Stat HS B+ or lower Mean	Stat HS ES
h Summarized what you learned in class or from course materials	hLSsummry	1	Never	42	5		13	5	24	5	26	5	16	4						
		2	Sometimes	266	31		76	30	150	30	142	29	124	33						
		3	Often	393	46	2.8	117	46	228	46	215	44	178	48	2.8	2.8	.02	2.8	2.7	.12
		4	Very often	162	19		51	20	93	19	107	22	55	15						
			Total	863	100		257	100	495	100	490	100	373	100						
i Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	hridivers	1	Never	53	6		14	5	31	6	30	6	23	6						
		2	Sometimes	332	39		100	39	188	38	185	38	147	40						
		3	Often	315	37	2.7	91	35	184	37	185	38	130	35	2.7	2.7	.03	2.7	2.7	.01
		4	Very often	162	19		52	20	92	19	90	18	72	19						
			Total	862	100		257	100	495	100	490	100	372	100						
j Examined the strengths and weaknesses of your own views on a topic or issue	hriownview	1	Never	54	6		14	5	37	7	33	7	21	6						
		2	Sometimes	270	31		88	34	151	30	153	31	117	31						
		3	Often	384	45	2.7	113	44	220	44	223	46	161	43	2.7	2.7	-.02	2.7	2.8	-.06
		4	Very often	154	18		41	16	88	18	81	17	73	20						
			Total	862	100		256	100	496	100	490	100	372	100						
k Tried to better understand someone else's views by imagining how an issue looks from their perspective	hriperspct	1	Never	24	3		4	2	18	4	18	4	6	2						
		2	Sometimes	233	27		76	30	134	27	143	29	90	24						
		3	Often	385	45	2.9	115	45	224	45	206	42	179	48	2.9	2.9	.02	2.9	3.0	-.13
		4	Very often	215	25		61	24	118	24	120	25	95	26						
			Total	857	100		256	100	494	100	487	100	370	100						

11. During your last year of high school, how involved were you in the following activities at your school or elsewhere?

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	First-Gen Yes %	First-Gen No Count	First-Gen No %	HS A- or higher Count	HS A- or higher %	HS B+ or lower Count	HS B+ or lower %	Stat First-Gen Yes Mean	Stat First-Gen No Mean	Stat First-Gen ES	Stat HS A- or higher Mean	Stat HS B+ or lower Mean	Stat HS ES
a. Performing or visual arts programs (band, chorus, theater, art, etc.)	hinvarts	1	Not at all	347	40		110	43	193	39	186	38	161	44						
		2	Very little	105	12		41	16	51	10	52	11	53	14						
		3	Some	84	10	2.7	28	11	44	9	39	8	45	12	2.5	2.9 **	-.20	2.9	2.5 ***	.24
		4	Quite a bit	76	9		17	7	47	9	47	10	29	8						
		5	Very much	248	29		61	24	160	32	166	34	82	22						
			Total	860	100		257	100	495	100	490	100	370	100						
b. Athletic teams (varsity, JV, club sport, etc.)	hinvathl	1	Not at all	219	26		75	29	120	24	117	24	102	28						
		2	Very little	74	9		29	11	33	7	47	10	27	7						
		3	Some	97	11	3.3	22	9	57	12	50	10	47	13	3.2	3.4	-.15	3.4	3.3	.09
		4	Quite a bit	129	15		32	13	79	16	68	14	61	16						
		5	Very much	339	40		98	38	205	41	206	42	133	36						
			Total	858	100		256	100	494	100	488	100	370	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Generation[a] Yes Count	First-Generation[a] Yes %	First-Generation[a] No Count	First-Generation[a] No %	Self-Reported HS Grades A- or higher Count	Self-Reported HS Grades A- or higher %	Self-Reported HS Grades B+ or lower Count	Self-Reported HS Grades B+ or lower %	First-Generation Yes Mean	First-Generation No Mean	First-Generation ES	Self-Reported HS Grades A- or higher Mean	Self-Reported HS Grades B+ or lower Mean	Self-Reported HS Grades ES
c. Student government	hstugov	1	Not at all	577	67		167	65	336	68	305	62	272	74						
		2	Very little	114	13		40	16	62	13	72	15	42	11						
		3	Some	76	9	1.7	21	8	43	9	47	10	29	8	1.7	1.7	.02	1.8	1.5 ***	.27
		4	Quite a bit	44	5		11	4	26	5	27	5	17	5						
		5	Very much	50	6		17	7	29	6	40	8	10	3						
			Total	861	100		256	100	496	100	491	100	370	100						
d. Publications (student newspaper, yearbook, etc.)	hinvpubs	1	Not at all	653	76		189	74	387	78	370	76	283	77						
		2	Very little	95	11		28	11	53	11	55	11	40	11						
		3	Some	59	7	1.5	20	8	29	6	35	7	24	7	1.5	1.4	.11	1.5	1.4	.03
		4	Quite a bit	25	3		7	3	13	3	13	3	12	3						
		5	Very much	27	3		11	4	14	3	17	3	10	3						
			Total	859	100		255	100	496	100	490	100	369	100						
e Academic clubs or honor societies	hinvhon13	1	Not at all	318	37		89	35	193	39	113	23	205	55						
		2	Very little	120	14		46	18	56	11	50	10	70	19						
		3	Some	147	17	2.6	44	17	82	17	92	19	55	15	2.6	2.6	-.04	3.2	1.9 ***	.96
		4	Quite a bit	134	16		39	15	77	16	112	23	22	6						
		5	Very much	141	16		37	15	88	18	123	25	18	5						
			Total	860	100		255	100	496	100	490	100	370	100						
f Vocational clubs (business, health, technology, etc.)	hinvvccl	1	Not at all	593	69		174	68	346	70	337	69	256	70						
		2	Very little	116	14		34	13	62	13	65	13	51	14						
		3	Some	80	9	1.6	24	9	46	9	44	9	36	10	1.6	1.6	.03	1.6	1.6	.05
		4	Quite a bit	36	4		13	5	19	4	22	4	14	4						
		5	Very much	33	4		10	4	22	4	22	4	11	3						
			Total	858	100		255	100	495	100	490	100	368	100						
g Religious youth groups	hrelgrp	1	Not at all	604	70		198	78	330	67	337	69	267	72						
		2	Very little	72	8		17	7	43	9	35	7	37	10						
		3	Some	75	9	1.7	19	7	49	10	37	8	38	10	1.5	1.8 ***	-.26	1.8	1.6 **	.17
		4	Quite a bit	54	6		13	5	31	6	41	8	13	4						
		5	Very much	53	6		8	3	42	8	38	8	15	4						
			Total	858	100		255	100	495	100	488	100	370	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

				All Students			First-Generation[a] Yes		No		Self-Reported HS Grades A- or higher		B+ or lower		First-Generation Yes	No		Self-Reported HS Grades A- or higher	B+ or lower	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
h Community service or volunteer work	hvolntr	1	Not at all	121	14		30	12	69	14	55	11	66	18						
		2	Very little	130	15		43	17	71	14	64	13	66	18						
		3	Some	256	30	3.2	72	29	149	30	132	27	124	34	3.2	3.2	.02	3.4	2.9 ***	.37
		4	Quite a bit	184	22		53	21	109	22	127	26	57	16						
		5	Very much	164	19		52	21	97	20	113	23	51	14						
			Total	855	100		250	100	495	100	491	100	364	100						

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

				All Students			First-Generation Yes		No		HS Grades A- or higher		B+ or lower		First-Gen Yes	No		HS Grades A-	B+	
	hchallenge	1	Not at all	3	0		1	0	1	0	2	0	1	0						
		2		15	2		4	2	10	2	5	1	10	3						
		3		103	12		34	13	56	11	49	10	54	15						
		4		189	22	4.8	61	24	109	22	101	21	88	24	4.8	4.8	-.01	4.9	4.6 ***	.24
		5		331	39		90	35	196	40	191	39	140	38						
		6		143	17		38	15	87	18	96	20	47	13						
		7	Very much	73	9		27	11	35	7	46	9	27	7						
			Total	857	100		255	100	494	100	490	100	367	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?

				All Students			First-Gen Yes		No		HS Grades A- or higher		B+ or lower		First-Gen Yes	No		HS Grades A-	B+	
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	cacadpr13hrs (Recoded version of cacadpr13 created by BCSSE. Values are estimated number of hours)	0	0	1	0		1	0	0	0	0	0	1	0						
		3	1-5	38	5		15	6	20	4	12	3	26	8						
		8	6-10	171	22		67	26	97	20	98	21	73	22						
		13	11-15	212	27		67	26	132	27	127	28	85	26						
		18	16-20	208	26	15.2	62	24	137	28	119	26	89	27	14.5	15.6 *	-.16	15.7	14.5 *	.19
		23	21-25	100	13		24	9	73	15	63	14	37	11						
		28	26-30	35	4		12	5	21	4	25	5	10	3						
		33	More than 30	21	3		8	3	12	2	13	3	8	2						
			Total	786	100		256	100	492	100	457	100	329	100						
b. Working for pay on- or off-campus	cworkhrs (Recoded version of cworkhrs created by BCSSE. Values are estimated number of hours)	0	0	205	26		55	22	140	28	123	27	82	25						
		3	1-5	84	11		21	8	59	12	55	12	29	9						
		8	6-10	171	22		54	21	107	22	105	23	66	20						
		13	11-15	143	18		56	22	82	17	78	17	65	20						
		18	16-20	117	15	9.1	40	16	72	15	66	15	51	16	10.5	8.5 ***	.26	8.5	10.0 **	-.19
		23	21-25	44	6		17	7	26	5	22	5	22	7						
		28	26-30	11	1		6	2	5	1	4	1	7	2						
		33	More than 30	7	1		5	2	1	0	1	0	6	2						

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

Frequencies and Statistical Comparisons

Illinois State University

First-Year Students

				Frequency Distributions									Statistical Comparisons					
					First-Generation[a]			Self-Reported HS Grades					First-Generation			Self-Reported HS Grades		
			All Students			Yes		No		A- or higher		B+ or lower		Yes	No		A- or higher	B+ or lower	
Item wording or description	Variable name	Values[c] Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
		Total	782	100		254	100	492	100	454	100	328	100						

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Frequency Distributions | **Statistical Comparisons**

Item wording or description	Variable name	Values[c]	Response options	All Students Count	%	Mean	First-Generation[a] Yes Count	%	No Count	%	Self-Reported HS Grades A- or higher Count	%	B+ or lower Count	%	First-Generation Yes Mean	No Mean	ES	Self-Reported HS Grades A- or higher Mean	B+ or lower Mean	ES
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	96	12		39	15	53	11	46	10	50	15						
		3	1-5	240	31		82	32	151	31	133	29	107	33						
		8	6-10	235	30		76	30	150	30	142	31	93	28						
		13	11-15	128	16		32	13	85	17	79	17	49	15						
		18	16-20	55	7	7.7	15	6	38	8	39	9	16	5	7.2	7.8	-.09	8.1	7.2	.14
		23	21-25	19	2		6	2	11	2	11	2	8	2						
		28	26-30	4	1		1	0	3	1	2	0	2	1						
		33	More than 30	7	1		4	2	2	0	3	1	4	1						
			Total	784	100		255	100	493	100	455	100	329	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	1	0		1	0	0	0	0	0	1	0						
		3	1-5	152	19		51	20	96	19	86	19	66	20						
		8	6-10	288	37		98	38	171	35	159	35	129	39						
		13	11-15	210	27		67	26	139	28	127	28	83	25						
		18	16-20	86	11	10.5	27	11	53	11	51	11	35	11	10.3	10.7	-.08	10.7	10.2	.08
		23	21-25	29	4		5	2	24	5	19	4	10	3						
		28	26-30	11	1		3	1	8	2	9	2	2	1						
		33	More than 30	7	1		4	2	3	1	2	0	5	2						
			Total	784	100		256	100	494	100	453	100	331	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?

	Variable name	Values	Response options	Count	%	Mean	Yes Count	%	No Count	%	A- or higher Count	%	B+ or lower Count	%	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
	ctmread17	1	Very little	24	3		9	4	11	2	8	2	16	5						
		2	Some	214	27		67	26	140	28	118	26	96	29						
		3	About half	303	39	3.0	87	34	203	41	183	40	120	37	3.1	3.0	.10	3.1	3.0	.13
		4	Most	195	25		74	29	115	23	117	26	78	24						
		5	Almost all	44	6		18	7	24	5	26	6	18	5						
			Total	780	100		255	100	493	100	452	100	328	100						

15. During the coming school year, about how often do you expect to do the following?

	Variable name	Values	Response options	Count	%	Mean	Yes Count	%	No Count	%	A- or higher Count	%	B+ or lower Count	%	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
a. Ask another student to help you understand course material	cCLaskhlp	1	Never	13	2		5	2	8	2	8	2	5	2						
		2	Sometimes	306	39		95	37	197	40	192	43	114	35						
		3	Often	317	41	2.8	109	43	200	40	171	38	146	45	2.8	2.7	.03	2.7	2.8	-.14
		4	Very often	140	18		47	18	89	18	77	17	63	19						
			Total	776	100		256	100	494	100	448	100	328	100						

First-Year Students

Frequency Distributions | Statistical Comparisons

Item wording or description	Variable name	Values [c]	Response options	All Students Count	%	Mean	First-Gen[a] Yes Count	%	No Count	%	HS Grades A- or higher Count	%	B+ or lower Count	%	First-Gen Yes Mean	No Mean	ES	HS Grades A- or higher Mean	B+ or lower Mean	ES
b. Explain course material to one or more students	cCLxplain	1	Never	16	2		6	2	10	2	10	2	6	2						
		2	Sometimes	388	50		140	55	233	47	210	47	178	54						
		3	Often	302	39	2.5	86	34	207	42	185	41	117	36	2.5	2.6	-.10	2.6	2.5	.12
		4	Very often	68	9		24	9	42	9	42	9	26	8						
			Total	774	100		256	100	492	100	447	100	327	100						
c. Prepare for exams by discussing or working through course material with other students	cCLstudy	1	Never	15	2		4	2	10	2	11	2	4	1						
		2	Sometimes	198	26		61	24	129	26	107	24	91	28						
		3	Often	381	49	2.9	131	51	238	48	214	48	167	51	3.0	2.9	.04	3.0	2.9	.10
		4	Very often	182	23		60	23	117	24	117	26	65	20						
			Total	776	100		256	100	494	100	449	100	327	100						
d. Work with other students on course projects or assignments	cCLprojct	1	Never	19	2		9	4	10	2	11	2	8	2						
		2	Sometimes	229	30		64	25	152	31	128	29	101	31						
		3	Often	376	49	2.8	132	52	233	47	219	49	157	48	2.9	2.8	.03	2.9	2.8	.06
		4	Very often	148	19		49	19	98	20	90	20	58	18						
			Total	772	100		254	100	493	100	448	100	324	100						
e Talk about career plans with a faculty member	cSFcareer	1	Never	22	3		7	3	14	3	12	3	10	3						
		2	Sometimes	375	48		112	44	256	52	225	50	150	46						
		3	Often	275	36	2.6	102	40	159	32	152	34	123	38	2.6	2.6	.12	2.6	2.6	-.05
		4	Very often	102	13		35	14	65	13	59	13	43	13						
			Total	774	100		256	100	494	100	448	100	326	100						
f Work with a faculty member on activities other than coursework (committees, student groups, etc.)	cSFothrwrk	1	Never	82	11		26	10	53	11	48	11	34	10						
		2	Sometimes	409	53		131	52	271	55	236	53	173	53						
		3	Often	210	27	2.3	75	30	125	25	126	28	84	26	2.4	2.3	.04	2.3	2.4	-.02
		4	Very often	70	9		21	8	46	9	37	8	33	10						
			Total	771	100		253	100	495	100	447	100	324	100						
g Discuss your academic performance with a faculty member	cSFprform	1	Never	22	3		9	4	12	2	13	3	9	3						
		2	Sometimes	364	47		109	43	246	50	212	47	152	47						
		3	Often	297	38	2.6	108	42	181	37	174	39	123	38	2.6	2.6	.08	2.6	2.6	-.03
		4	Very often	89	12		30	12	55	11	49	11	40	12						
			Total	772	100		256	100	494	100	448	100	324	100						
h Discuss course topics, ideas, or concepts with a faculty member outside of class	cSFdiscuss	1	Never	39	5		14	5	24	5	22	5	17	5						
		2	Sometimes	424	55		130	51	284	58	256	57	168	52						
		3	Often	232	30	2.4	86	34	139	28	134	30	98	31	2.5	2.4	.08	2.4	2.5	-.11
		4	Very often	74	10		25	10	46	9	36	8	38	12						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Generation[a] Yes Count	Yes %	No Count	No %	Self-Reported HS Grades A- or higher Count	A- or higher %	B+ or lower Count	B+ or lower %	First-Generation Yes Mean	No Mean	ES	Self-Reported HS Grades A- or higher Mean	B+ or lower Mean	ES
			Total	769	100		255	100	493	100	448	100	321	100						
i Prepare two or more drafts of a paper or assignment before turning it in	cdrafting	1	Never	39	5		13	5	25	5	24	5	15	5						
		2	Sometimes	299	39		106	41	182	37	173	39	126	39						
		3	Often	316	41	2.7	104	41	206	42	174	39	142	44	2.6	2.7	-.10	2.7	2.6	.04
		4	Very often	116	15		33	13	80	16	76	17	40	12						
			Total	770	100		256	100	493	100	447	100	323	100						
j Come to class without completing readings or assignments	cunprepard	1	Never	536	70		167	65	355	72	332	74	204	63						
		2	Sometimes	171	22		63	25	103	21	81	18	90	28						
		3	Often	38	5	1.4	15	6	21	4	21	5	17	5	1.5	1.4	.12	1.4	1.5 *	-.17
		4	Very often	26	3		10	4	16	3	14	3	12	4						
			Total	771	100		255	100	495	100	448	100	323	100						

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

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Generation[a] Yes Count	Yes %	No Count	No %	Self-Reported HS Grades A- or higher Count	A- or higher %	B+ or lower Count	B+ or lower %	First-Generation Yes Mean	No Mean	ES	Self-Reported HS Grades A- or higher Mean	B+ or lower Mean	ES
a. People of a race or ethnicity other than your own	cDVrace	1	Never	7	1		2	1	5	1	5	1	2	1						
		2	Sometimes	101	13		27	11	71	14	52	12	49	15						
		3	Often	337	44	3.3	124	48	206	42	205	46	132	41	3.3	3.3	.02	3.3	3.3	.02
		4	Very often	326	42		103	40	213	43	187	42	139	43						
			Total	771	100		256	100	495	100	449	100	322	100						
b. People from an economic background other than your own	cDVeconomc	1	Never	6	1		2	1	4	1	4	1	2	1						
		2	Sometimes	111	14		32	13	76	15	58	13	53	16						
		3	Often	349	45	3.2	125	49	216	44	214	48	135	42	3.2	3.2	.01	3.2	3.2	.01
		4	Very often	305	40		97	38	199	40	173	39	132	41						
			Total	771	100		256	100	495	100	449	100	322	100						
c. People with religious beliefs other than your own	cDVreligion	1	Never	14	2		6	2	8	2	8	2	6	2						
		2	Sometimes	119	15		33	13	82	17	69	15	50	16						
		3	Often	339	44	3.2	127	50	204	41	206	46	133	41	3.2	3.2	-.04	3.2	3.2	-.05
		4	Very often	298	39		90	35	200	40	166	37	132	41						
			Total	770	100		256	100	494	100	449	100	321	100						
d. People with political views other than your own	cDVpolitical	1	Never	9	1		1	0	8	2	6	1	3	1						
		2	Sometimes	162	21		56	22	99	20	85	19	77	24						
		3	Often	335	44	3.1	114	45	217	44	209	47	126	39	3.1	3.1	-.01	3.1	3.1	.02
		4	Very often	264	34		84	33	171	35	149	33	115	36						
			Total	770	100		255	100	495	100	449	100	321	100						

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

					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		A- or higher	B+ or lower	
Item wording or description	Variable name	Values[c]	Response options		Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES

17. During the coming school year, how certain are you that you will do the following?

Item	Variable	Value	Response	Count	%	Mean	Y Count	Y %	N Count	N %	A Count	A %	B Count	B %	FG Yes Mean	FG No Mean	FG ES	HS A Mean	HS B Mean	HS ES
a. Study when there are other interesting things to do (cotherint)		1	Not at all certain	2	0		2	1	0	0	0	0	2	1						
		2		17	2		8	3	8	2	7	2	10	3						
		3		186	24		64	25	117	24	93	21	93	29						
		4		283	37	4.2	92	36	181	37	170	38	113	35	4.1	4.2	-.10	4.3	4.1 **	.23
		5		184	24		58	23	124	25	115	26	69	21						
		6	Very certain	98	13		32	13	65	13	63	14	35	11						
			Total	770	100		256	100	495	100	448	100	322	100						
b. Find additional information for course assignments when you don't understand the material (cfindinfo)		1	Not at all certain	1	0		1	0	0	0	0	0	1	0						
		2		15	2		3	1	12	2	4	1	11	3						
		3		67	9		18	7	48	10	29	7	38	12						
		4		220	29	4.7	80	31	135	27	130	29	90	28	4.8	4.7	.03	4.8	4.6 *	.19
		5		260	34		87	34	167	34	164	37	96	30						
		6	Very certain	200	26		66	26	131	27	117	26	83	26						
			Total	763	100		255	100	493	100	444	100	319	100						
c. Participate regularly in course discussions, even when you don't feel like it (ccourdis)		1	Not at all certain	6	1		2	1	4	1	4	1	2	1						
		2		49	6		15	6	33	7	28	6	21	7						
		3		147	19		55	21	90	18	81	18	66	21						
		4		238	31	4.2	69	27	166	34	144	32	94	29	4.3	4.2	.04	4.3	4.2	.03
		5		198	26		70	27	123	25	111	25	87	27						
		6	Very certain	126	16		45	18	79	16	77	17	49	15						
			Total	764	100		256	100	495	100	445	100	319	100						
d. Ask instructors for help when you struggle with course assignments (caskinst)		1	Not at all certain	3	0		3	1	0	0	1	0	2	1						
		2		20	3		3	1	17	3	11	2	9	3						
		3		85	11		29	11	55	11	39	9	46	14						
		4		176	23	4.8	52	20	119	24	104	23	72	23	4.8	4.7	.07	4.8	4.7	.11
		5		246	32		87	34	155	31	155	35	91	29						
		6	Very certain	233	31		82	32	149	30	134	30	99	31						
			Total	763	100		256	100	495	100	444	100	319	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen [a] Yes Count	Yes %	No Count	No %	HS Grades A- or higher Count	%	B+ or lower Count	%	First-Gen Yes Mean	No Mean	ES	HS Grades A- or higher Mean	B+ or lower Mean	ES
e. Finish something you have started when you encounter challenges	cfinish	1	Not at all certain	1	0		1	0	0	0	0	0	1	0						
		2		9	1		5	2	4	1	2	0	7	2						
		3		63	8		21	8	42	9	27	6	36	11						
		4		206	27	4.8	66	26	137	28	106	24	100	31	4.8	4.8	-.02	4.9	4.6 ***	.29
		5		276	36		94	37	178	36	182	41	94	30						
		6	Very certain	206	27		69	27	133	27	126	28	80	25						
			Total	761	100		256	100	494	100	443	100	318	100						
f. Stay positive, even when you do poorly on a test or assignment	cstaypos	1	Not at all certain	5	1		1	0	4	1	2	0	3	1						
		2		61	8		22	9	37	7	36	8	25	8						
		3		132	17		51	20	81	16	77	17	55	17						
		4		211	28	4.3	62	24	148	30	117	27	94	29	4.3	4.3	-.02	4.3	4.3	.02
		5		189	25		63	25	122	25	117	27	72	23						
		6	Very certain	162	21		55	22	103	21	92	21	70	22						
			Total	760	100		254	100	495	100	441	100	319	100						

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

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen [a] Yes Count	Yes %	No Count	No %	HS Grades A- or higher Count	%	B+ or lower Count	%	First-Gen Yes Mean	No Mean	ES	HS Grades A- or higher Mean	B+ or lower Mean	ES
a. Learning course material	clearnma	1	Not at all difficult	9	1		5	2	3	1	6	1	3	1						
		2		58	8		16	6	41	8	30	7	28	9						
		3		164	22		55	21	106	21	95	21	69	22						
		4		311	41	4.0	109	43	198	40	189	43	122	38	3.9	4.0	-.05	3.9	4.0	.00
		5		169	22		59	23	109	22	96	22	73	23						
		6	Very difficult	50	7		12	5	38	8	27	6	23	7						
			Total	761	100		256	100	495	100	443	100	318	100						
b. Managing your time	cmantime	1	Not at all difficult	20	3		7	3	13	3	13	3	7	2						
		2		76	10		25	10	51	10	43	10	33	10						
		3		172	23		57	22	112	23	100	23	72	23						
		4		229	30	3.9	73	29	152	31	146	33	83	26	4.0	3.9	.03	3.9	4.0	-.08
		5		188	25		69	27	116	23	101	23	87	27						
		6	Very difficult	76	10		25	10	51	10	40	9	36	11						
			Total	761	100		256	100	495	100	443	100	318	100						

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

First-Year Students

				All Students			First-Generation[a] — Yes		First-Generation[a] — No		Self-Reported HS Grades — A- or higher		Self-Reported HS Grades — B+ or lower		First-Generation — Yes	First-Generation — No		Self-Reported HS Grades — A- or higher	Self-Reported HS Grades — B+ or lower	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
c. Paying college or university expenses	cpaycoll	1	Not at all difficult	71	9		15	6	56	11	47	11	24	8						
		2		137	18		37	14	97	20	78	18	59	19						
		3		145	19		41	16	103	21	88	20	57	18						
		4		152	20	3.7	54	21	95	19	90	20	62	20	4.0	3.5 ***	.37	3.6	3.7	-.10
		5		140	18		50	20	89	18	76	17	64	20						
		6	Very difficult	115	15		59	23	54	11	64	14	51	16						
			Total	760	100		256	100	494	100	443	100	317	100						
d. Getting help with school work	cgethelp	1	Not at all difficult	69	9		23	9	45	9	43	10	26	8						
		2		173	23		49	19	120	24	106	24	67	21						
		3		250	33		93	36	154	31	149	34	101	32						
		4		172	23	3.1	55	21	115	23	97	22	75	24	3.2	3.1	.07	3.0	3.2 *	-.15
		5		78	10		27	11	51	10	40	9	38	12						
		6	Very difficult	19	2		9	4	10	2	8	2	11	3						
			Total	761	100		256	100	495	100	443	100	318	100						
e. Making new friends	cmakefr	1	Not at all difficult	93	12		33	13	57	12	51	12	42	13						
		2		132	17		40	16	90	18	78	18	54	17						
		3		174	23		72	28	101	20	92	21	82	26						
		4		171	23	3.4	56	22	113	23	105	24	66	21	3.3	3.5	-.08	3.5	3.3	.09
		5		105	14		28	11	76	15	64	14	41	13						
		6	Very difficult	84	11		27	11	56	11	52	12	32	10						
			Total	759	100		256	100	493	100	442	100	317	100						
f. Interacting with faculty	cintfac	1	Not at all difficult	83	11		32	13	49	10	35	8	48	15						
		2		157	21		55	21	99	20	101	23	56	18						
		3		216	28		74	29	140	28	133	30	83	26						
		4		172	23	3.2	52	20	118	24	102	23	70	22	3.1	3.2	-.08	3.2	3.2	.03
		5		94	12		28	11	65	13	52	12	42	13						
		6	Very difficult	38	5		15	6	23	5	20	5	18	6						
			Total	760	100		256	100	494	100	443	100	317	100						

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

				All Students			First-Generation Yes		First-Generation No		HS Grades A- or higher		HS Grades B+ or lower		Yes	No		A- or higher	B+ or lower	
a. Faculty members	cseekfac	1	Never	8	1		1	0	7	1	5	1	3	1						
		2	Sometimes	325	43		104	41	217	44	184	42	141	44						
		3	Often	331	44	2.7	119	47	209	42	194	44	137	43	2.7	2.7	.07	2.7	2.6	.06
		4	Very often	93	12		31	12	61	12	57	13	36	11						

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

Frequencies and Statistical Comparisons

Illinois State University

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					Yes		No		A- or higher		B+ or lower		Yes	No		A- or higher	B+ or lower	
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
		Total		757	100		255	100	494	100	440	100	317	100						

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students | **Frequency Distributions** | **Statistical Comparisons**

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen[a] Yes Count	Yes %	First-Gen No Count	No %	A- or higher Count	A- %	B+ or lower Count	B+ %	First-Gen Yes Mean	First-Gen No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
b. Academic advisors	cseekaa	1	Never	36	5		5	2	31	6	23	5	13	4						
		2	Sometimes	384	51		117	46	263	53	226	52	158	50						
		3	Often	247	33	2.5	97	38	148	30	142	32	105	33	2.6	2.4 ***	.26	2.5	2.5	-.08
		4	Very often	88	12		35	14	51	10	47	11	41	13						
			Total	755	100		254	100	493	100	438	100	317	100						
c. Learning support services (tutoring, writing center, success coaching, etc.)	cseekls	1	Never	45	6		11	4	34	7	35	8	10	3						
		2	Sometimes	343	45		112	44	227	46	205	47	138	44						
		3	Often	270	36	2.6	101	40	167	34	145	33	125	40	2.6	2.5	.07	2.5	2.6 *	-.18
		4	Very often	97	13		30	12	65	13	54	12	43	14						
			Total	755	100		254	100	493	100	439	100	316	100						
d. Friends or other students	cseekfrnd	1	Never	8	1		2	1	6	1	4	1	4	1						
		2	Sometimes	164	22		52	20	110	22	99	23	65	21						
		3	Often	388	51	3.0	144	56	241	49	215	49	173	55	3.0	3.0	-.04	3.0	3.0	.04
		4	Very often	197	26		57	22	137	28	122	28	75	24						
			Total	757	100		255	100	494	100	440	100	317	100						
e. Family members	cseekfam	1	Never	166	22		77	30	88	18	101	23	65	21						
		2	Sometimes	342	45		103	40	237	48	192	44	150	47						
		3	Often	181	24	2.2	57	22	121	24	111	25	70	22	2.1	2.3 **	-.23	2.2	2.2	-.04
		4	Very often	68	9		18	7	48	10	36	8	32	10						
			Total	757	100		255	100	494	100	440	100	317	100						
f. Other persons or offices	cseekoth	1	Never	108	14		35	14	72	15	68	15	40	13						
		2	Sometimes	480	63		159	62	317	64	279	63	201	63						
		3	Often	138	18	2.1	50	20	86	17	74	17	64	20	2.2	2.1	.07	2.1	2.2	-.07
		4	Very often	32	4		12	5	19	4	20	5	12	4						
			Total	758	100		256	100	494	100	441	100	317	100						

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

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	Yes %	First-Gen No Count	No %	A- or higher Count	A- %	B+ or lower Count	B+ %	First-Gen Yes Mean	First-Gen No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
a. Write clearly and effectively	cSGwrite	1	Not at all prepared	6	1		3	1	3	1	2	0	4	1						
		2		17	2		5	2	12	2	11	3	6	2						
		3		76	10		33	13	43	9	38	9	38	12						
		4		227	30	4.6	90	35	137	28	128	29	99	31	4.5	4.7 *	-.20	4.7	4.5	.14
		5		254	34		73	29	177	36	149	34	105	33						
		6	Very prepared	175	23		52	20	121	25	111	25	64	20						
			Total	755	100		256	100	493	100	439	100	316	100						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	First-Gen Yes %	First-Gen No Count	First-Gen No %	HS A- or higher Count	HS A- or higher %	HS B+ or lower Count	HS B+ or lower %	First-Gen Yes Mean	First-Gen No Mean	First-Gen ES	HS A- or higher Mean	HS B+ or lower Mean	HS ES
b. Speak clearly and effectively	cSGspeak	1	Not at all prepared	6	1		2	1	4	1	4	1	2	1						
		2		21	3		7	3	14	3	11	3	10	3						
		3		106	14		47	18	59	12	54	12	52	16						
		4		209	28	4.6	78	30	130	26	117	27	92	29	4.4	4.6 *	-.17	4.6	4.5	.13
		5		242	32		68	27	171	35	148	34	94	30						
		6	Very prepared	172	23		54	21	116	23	106	24	66	21						
			Total	756	100		256	100	494	100	440	100	316	100						
c. Think critically and analytically	cSGthink	1	Not at all prepared	2	0		1	0	1	0	1	0	1	0						
		2		5	1		3	1	2	0	1	0	4	1						
		3		68	9		26	10	41	8	35	8	33	10						
		4		229	30	4.7	84	33	145	29	129	29	100	32	4.6	4.8	-.13	4.8	4.6 *	.17
		5		268	35		84	33	181	37	158	36	110	35						
		6	Very prepared	183	24		58	23	123	25	116	26	67	21						
			Total	755	100		256	100	493	100	440	100	315	100						
d. Analyze numerical and statistical information	cSGanalyze	1	Not at all prepared	5	1		2	1	3	1	1	0	4	1						
		2		30	4		14	5	15	3	14	3	16	5						
		3		153	20		71	28	81	16	79	18	74	23						
		4		222	29	4.3	73	29	148	30	124	28	98	31	4.1	4.5 ***	-.32	4.5	4.1 ***	.29
		5		213	28		61	24	151	31	128	29	85	27						
		6	Very prepared	131	17		34	13	96	19	93	21	38	12						
			Total	754	100		255	100	494	100	439	100	315	100						
e. Work effectively with others	cSGothers	1	Not at all prepared	2	0		1	0	1	0	0	0	2	1						
		2		7	1		4	2	3	1	1	0	6	2						
		3		43	6		18	7	25	5	23	5	20	6						
		4		175	23	4.9	61	24	114	23	92	21	83	26	4.8	5.0 *	-.16	5.0	4.8 ***	.26
		5		278	37		99	39	175	35	161	37	117	37						
		6	Very prepared	248	33		72	28	175	35	162	37	86	27						
			Total	753	100		255	100	493	100	439	100	314	100						
f. Use computing and information technology	cgncompt13	1	Not at all prepared	8	1		5	2	2	0	3	1	5	2						
		2		24	3		9	4	15	3	14	3	10	3						
		3		115	15		45	18	70	14	66	15	49	16						
		4		234	31	4.4	83	32	150	30	135	31	99	31	4.3	4.5 *	-.17	4.5	4.4	.08
		5		228	30		68	27	159	32	131	30	97	31						
		6	Very prepared	146	19		46	18	98	20	91	21	55	17						

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

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

				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		A- or higher	B+ or lower	
Item wording or description	Variable name	Values[c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
			Total	755	100		256	100	494	100	440	100	315	100						
g. Learn effectively on your own	cgninq	1	Not at all prepared	5	1		3	1	2	0	1	0	4	1						
		2		26	3		10	4	16	3	14	3	12	4						
		3		93	12		36	14	56	11	49	11	44	14						
		4		254	34	4.5	83	33	170	34	139	32	115	37	4.4	4.5	-.10	4.6	4.3 **	.24
		5		219	29		73	29	144	29	127	29	92	29						
		6	Very prepared	157	21		50	20	106	21	109	25	48	15						
			Total	754	100		255	100	494	100	439	100	315	100						

21. How important is it to you that your instiution provides the following?

Item wording or description	Variable name	Values[c]	Response options	Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES	Mean	Mean	ES
a. A challenging academic experience	cacadexp	1	Not important	11	1		4	2	7	1	5	1	6	2						
		2		14	2		6	2	8	2	6	1	8	3						
		3		146	19		50	19	94	19	72	16	74	23						
		4		293	39	4.2	98	38	194	39	175	40	118	37	4.2	4.2	.01	4.3	4.1 **	.22
		5		202	27		63	25	138	28	121	28	81	26						
		6	Very important	89	12		36	14	53	11	60	14	29	9						
			Total	755	100		257	100	494	100	439	100	316	100						
b. Support to help students succeed academically	cSEacad	1	Not important	2	0		1	0	1	0	1	0	1	0						
		2		4	1		4	2	0	0	2	0	2	1						
		3		22	3		6	2	16	3	9	2	13	4						
		4		104	14	5.3	35	14	69	14	49	11	55	17	5.3	5.3	.06	5.4	5.2 **	.22
		5		234	31		64	25	168	34	137	31	97	31						
		6	Very important	388	51		147	57	240	49	240	55	148	47						
			Total	754	100		257	100	494	100	438	100	316	100						
c. Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	cSEdiv	1	Not important	11	1		4	2	7	1	4	1	7	2						
		2		14	2		3	1	11	2	10	2	4	1						
		3		55	7		14	5	41	8	30	7	25	8						
		4		166	22	4.9	59	23	107	22	98	22	68	22	5.0	4.9	.11	4.9	4.9	.04
		5		208	28		65	25	141	29	120	27	88	28						
		6	Very important	299	40		112	44	186	38	176	40	123	39						
			Total	753	100		257	100	493	100	438	100	315	100						

Frequencies and Statistical Comparisons
Illinois State University

First-Year Students

Frequency Distributions — **Statistical Comparisons**

Item wording or description	Variable name	Values [c]	Response options	All Students Count	All Students %	All Students Mean	First-Gen Yes Count	First-Gen Yes %	First-Gen No Count	First-Gen No %	HS Grades A- or higher Count	HS Grades A- or higher %	HS Grades B+ or lower Count	HS Grades B+ or lower %	First-Gen Yes Mean	First-Gen No Mean	First-Gen ES	HS Grades A- or higher Mean	HS Grades B+ or lower Mean	HS Grades ES
d. Help managing your non-academic responsibilities (work, family, etc.)	cSEnacad	1	Not important	7	1		3	1	4	1	2	0	5	2						
		2		40	5		7	3	33	7	23	5	17	5						
		3		110	15		35	14	75	15	57	13	53	17						
		4		201	27	4.5	68	26	132	27	119	27	82	26	4.6	4.5 *	.16	4.6	4.4	.09
		5		190	25		65	25	123	25	116	27	74	23						
		6	Very important	205	27		79	31	126	26	120	27	85	27						
			Total	753	100		257	100	493	100	437	100	316	100						
e. Opportunities to be involved socially	cSEsoc	1	Not important	5	1		4	2	1	0	2	0	3	1						
		2		5	1		2	1	3	1	0	0	5	2						
		3		45	6		12	5	33	7	22	5	23	7						
		4		173	23	5.0	61	24	112	23	91	21	82	26	5.0	5.0	-.05	5.1	4.9 **	.20
		5		230	31		81	32	148	30	144	33	86	27						
		6	Very important	296	39		97	38	197	40	179	41	117	37						
			Total	754	100		257	100	494	100	438	100	316	100						
f. Opportunities to attend campus activities and events	cSEact	1	Not important	3	0		3	1	0	0	1	0	2	1						
		2		9	1		5	2	4	1	3	1	6	2						
		3		51	7		16	6	35	7	17	4	34	11						
		4		170	23	5.0	55	21	115	23	98	22	72	23	5.0	5.0	-.04	5.1	4.8 ***	.28
		5		221	29		75	29	145	29	128	29	93	29						
		6	Very important	300	40		103	40	195	39	191	44	109	34						
			Total	754	100		257	100	494	100	438	100	316	100						
g. Learning support services (tutoring, writing center, success coaching, etc.)	cSEserv	1	Not important	4	1		3	1	1	0	1	0	3	1						
		2		8	1		3	1	5	1	5	1	3	1						
		3		60	8		19	7	41	8	33	8	27	9						
		4		146	19	5.0	48	19	98	20	88	20	58	18	5.0	5.0	-.01	5.0	5.0	.00
		5		228	30		78	30	147	30	137	31	91	29						
		6	Very important	305	41		105	41	200	41	173	40	132	42						
			Total	751	100		256	100	492	100	437	100	314	100						

BCSSE 2020
First-Year Student Scale Means
Illinois State University

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

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

BCSSEville State University

First-Year Students ← 1

BCSSE Scales	Variable	All Students			First-Generation			Self-Reported High School Grades		
		Mean	SD	N	Yes Mean	No Mean	ES	A- or higher Mean	B+ or lower Mean	ES
Quantitative Reasoning *High school engagement with analysis and numerical information*	HS_QR	26.3	14.1	1221	25.4	27.7 **	-.16	26.6	26.2	.02
Learning Strategies *Use of effective learning strategies in high school*	HS_LS	36.6	12.7	1220	36.4	36.8	-.04	37.5	35.3 **	.17
Collaborative Learning *Expectation to interact and collaborate with peers*	EXP_CL	34.9	10.7	1232	34.3	35.1	-.07	35.5	33.6 **	.17
Student-Faculty Interaction *Expectation to interact and engage with faculty*	EXP_SFI	30.4	11.5	1234	29.9	30.9	-.09	30.5	30.0	.05
Expected Discussions with Diverse Others *Expectation to engage in discussions with diverse others*	EXP_DD	42.1	13.9	1233	40.8	43.0 **	-.15	43.1	40.1 ***	.21
Expected Academic Perseverance *Student certainty that they will persist in the face of academic adversity*	EXP_PER	40.6	9.8	1233	40.8	41.1	-.03	41.8	39.8 ***	.20
Expected Academic Difficulty *Expected academic difficulty during the coming year*	EXP_DIF	26.3	10.4	1233	26.9	25.0 **	.18	25.9	26.3	-.04
Perceived Academic Preparation *Student perception of their academic preparation*	PER_PREP	41.9	10.2	1233	41.6	42.9 *	-.13	43.4	40.6 ***	.27
Importance of Campus Environment *Student-rated importance that the institution provides a challenging and supportive environment*	IMP_CAMP	41.3	10.7	1233	41.1	41.7	-.05	42.2	40.1 ***	.20

Scale Mean Scores and Selected Student Comparisons

Illinois State University

First-Year Students

BCSSE Scales	Variable [b]	All Students			First-Generation [a]			Self-Reported High School Grades		
					Yes	No		A- or higher	B+ or lower	
		Mean	SD	N	Mean	Mean	ES	Mean	Mean	ES
Quantitative Reasoning	HS_QR	30.5	14.4	853	30.4	30.5	-.01	31.2	29.4	.13
High school engagement with analysis and numerical information										
Learning Strategies	HS_LS	38.1	12.4	860	37.9	38.6	-.06	39.3	36.5 ***	.23
Use of effective learning strategies in high school										
Collaborative Learning	EXP_CL	35.4	11.8	776	35.5	35.5	.00	35.6	35.1	.04
Expectation to interact and collaborate with peers										
Student-Faculty Interaction	EXP_SFI	29.8	12.5	772	30.5	29.4	.09	29.5	30.3	-.06
Expectation to interact and engage with faculty										
Expected Discussions with Diverse Others	EXP_DD	44.1	13.4	771	44.0	44.1	-.01	44.1	44.1	.00
Expectation to engage in discussions with diverse others										
Expected Academic Perseverance	EXP_PER	42.1	9.7	763	42.1	42.1	.00	42.8	41.1 *	.18
Student certainty that they will persist in the face of academic adversity										
Expected Academic Difficulty	EXP_DIF	30.6	10.6	761	30.6	30.7	-.01	30.3	31.0	-.07
Expected academic difficulty during the coming year										
Perceived Academic Preparation	PER_PREP	43.0	9.5	755	41.5	43.8 **	-.24	44.0	41.7 ***	.25
Student perception of their academic preparation										
Importance of Campus Environment	IMP_CAMP	46.2	9.2	754	46.5	46.0	.05	46.9	45.1 **	.20
Student-rated importance that the institution provides a challenging and supportive environment										

BCSSE
beginning college survey
of student engagement

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