



NSSE 2020

Frequencies and Statistical Comparisons

State University of New York at Fredonia

NSSE 2020 Frequencies and Statistical Comparisons


About This Report

The *Frequencies and Statistical Comparisons* report presents item-by-item student responses and statistical comparisons that allow you to examine patterns of similarity and difference between your students and those at your comparison group institutions. The report uses information from all randomly selected or census-administered students. The display below highlights important details in the report to keep in mind when interpreting your results. For more information please visit our website (nsse.indiana.edu) or contact a member of the NSSE team.

1. **Class level:** As reported by your institution.
2. **Item numbers:** Numbering corresponds to the survey available on the NSSE 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 weighted percentage of students selecting the corresponding response option.

Note: Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: go.iu.edu/NSSE-weights

6. **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 #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests. Exceptions are items 11 a-f which are compared using a z -test.



Seniors ← 1

NSSE Frequencies and Statistical Comparisons
NSSEville State University

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b								
				NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
6. During the current school year, about how often have you done the following?																				
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	3	0	244	2	54	2	6,952	3	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43		
		2	Sometimes	197	20	4,397	27	845	29	75,222	33									
		3	Often	112	33	5,947	37	1,086	38	81,724	35									
		4	Very often	280	46	5,440	34	889	31	66,983	29									
			Total	630	100	16,028	100	2,874	100	230,881	100									
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05		
		2	Sometimes	267	42	5,959	37	978	34	79,495	34									
		3	Often	164	26	4,548	29	88	3	67,348	29									
		4	Very often	113	19	2,722	20	52	2	47,208	21									
			Total	626	100	15,598	100	2,858	100	229,541	100									
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6	3.1	3.1	.02	3.1	-.04	3.0	.06		
		2	Sometimes	56	9	1,666	11	262	10	28,134	13									
		3	Often	384	63	9,147	57	1,586	57	128,802	56									
		4	Very often	150	24	4,267	27	851	29	58,873	26									
			Total	615	100	15,858	100	2,833	100	228,352	100									

7. **Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. 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 responded "Done or in progress" 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.

8. **Key to symbols:**

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia				Peer Institutions				Aspirational group				NSSE 2019 & 2020				SUNY Fredonia				Peer Institutions				Aspirational group				NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1. During the current school year, about how often have you done the following?																																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	12	5	87	5	91	3	9,206	4	2.6	2.7 *	-0.16	2.8 ***	-0.28	2.8 ***	-0.27																	
		2	Sometimes	116	47	813	40	994	37	94,347	37																								
		3	Often	81	34	763	37	901	37	90,176	35																								
		4	Very often	34	14	388	18	552	23	62,421	24																								
		Total		243	100	2,051	100	2,538	100	256,150	100																								
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	7	3	76	4	130	5	12,211	5	3.1	3.1	-0.08	3.0	.09	3.1	.00																	
		2	Often	32	14	192	10	316	14	29,289	12																								
		3	Sometimes	137	57	1,112	55	1,413	58	140,501	55																								
		4	Never	68	26	657	31	672	24	73,240	29																								
		Total		244	100	2,037	100	2,531	100	255,241	100																								
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	81	34	665	36	1,133	51	105,211	43	2.1	1.9 *	.18	1.7 ***	.46	1.8 ***	.30																	
		2	Sometimes	86	35	860	41	957	32	94,358	36																								
		3	Often	39	16	339	15	306	12	35,353	13																								
		4	Very often	38	15	170	8	134	5	19,748	7																								
		Total		244	100	2,034	100	2,530	100	254,670	100																								
d. Asked another student to help you understand course material	CLaskhelp	1	Never	35	14	153	8	191	10	23,272	11	2.4	2.6 *	-0.17	2.5	-0.12	2.6 **	-0.19																	
		2	Sometimes	104	42	800	40	999	41	93,125	37																								
		3	Often	75	31	768	37	944	36	90,702	34																								
		4	Very often	30	13	300	14	391	14	47,193	18																								
		Total		244	100	2,021	100	2,525	100	254,292	100																								
e. Explained course material to one or more students	CLexplain	1	Never	25	10	87	5	127	6	15,409	7	2.5	2.6	-0.13	2.6	-0.10	2.7 **	-0.18																	
		2	Sometimes	98	40	815	41	992	39	90,911	36																								
		3	Often	88	36	826	41	1,017	40	99,878	38																								
		4	Very often	31	14	283	14	377	14	47,391	19																								
		Total		242	100	2,011	100	2,513	100	253,589	100																								
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	52	21	290	16	425	20	37,075	16	2.3	2.5 **	-0.20	2.4	-0.09	2.5 ***	-0.26																	
		2	Sometimes	98	42	727	37	912	38	85,175	34																								
		3	Often	64	27	675	33	797	28	80,285	31																								
		4	Very often	25	11	308	14	369	14	49,689	19																								
		Total		239	100	2,000	100	2,503	100	252,224	100																								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
g. Worked with other students on course projects or assignments	CLproject	1	Never	17	7	123	7	158	9	21,019	9	2.5	2.6	-0.10	2.5	-0.01	2.6	-0.11	
		2	Sometimes	109	47	769	40	997	42	89,059	36								
		3	Often	76	32	782	38	967	36	93,044	36								
		4	Very often	35	14	311	15	373	13	47,574	18								
		Total		237	100	1,985	100	2,495	100	250,696	100								
h. Given a course presentation	present	1	Never	52	23	361	19	362	16	47,552	20	2.1	2.2	-0.11	2.4 ***	-0.28	2.3 **	-0.16	
		2	Sometimes	116	50	947	48	1,101	42	109,389	43								
		3	Often	47	19	491	24	760	32	65,204	25								
		4	Very often	19	8	183	9	269	11	28,198	11								
		Total		234	100	1,982	100	2,492	100	250,343	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	22	9	152	9	192	8	20,438	9	2.5	2.5	-0.03	2.6	-0.13	2.6	-0.09	
		2	Sometimes	106	46	809	42	967	39	97,088	40								
		3	Often	70	30	730	37	936	39	92,038	37								
		4	Very often	30	14	236	12	353	15	37,055	15								
		Total		228	100	1,927	100	2,448	100	246,619	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	21	10	153	9	208	10	22,663	10	2.5	2.5	-0.11	2.6 *	-0.16	2.6	-0.13	
		2	Sometimes	107	47	793	42	893	37	94,328	39								
		3	Often	71	30	706	36	950	37	88,067	35								
		4	Very often	29	13	268	14	377	16	39,629	16								
		Total		228	100	1,920	100	2,428	100	244,687	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	30	15	186	11	229	10	25,252	12	2.4	2.5	-0.10	2.6 **	-0.22	2.6 *	-0.16	
		2	Sometimes	92	41	794	43	875	35	90,715	38								
		3	Often	77	34	650	33	879	38	84,359	34								
		4	Very often	25	11	266	13	422	17	42,165	17								
		Total		224	100	1,896	100	2,405	100	242,491	100								
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	25	12	104	6	128	5	10,875	5	2.5	2.7 **	-0.21	2.7 ***	-0.27	2.8 ***	-0.32	
		2	Sometimes	79	37	636	34	820	34	76,204	32								
		3	Often	89	40	849	45	1,048	43	108,108	44								
		4	Very often	24	11	272	15	386	18	44,681	19								
		Total		217	100	1,861	100	2,382	100	239,868	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	11	6	56	4	60	3	6,285	3	2.8	2.9	-0.11	2.9 **	-0.19	2.9 **	-0.19	
		2	Sometimes	62	30	508	29	656	28	61,403	26								
		3	Often	99	47	859	46	1,057	44	110,703	46								
		4	Very often	38	18	407	22	578	26	58,090	24								
		Total		210	100	1,830	100	2,351	100	236,481	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	9	4	48	3	59	2	6,264	3	2.7	2.8	-0.10	2.8 *	-0.18	2.9 **	-0.20	
		2	Sometimes	76	37	594	34	725	31	68,788	30								
		3	Often	89	44	821	45	1,068	46	106,447	45								
		4	Very often	31	15	328	18	463	20	51,622	22								
		Total		205	100	1,791	100	2,315	100	233,121	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	7	3	20	1	35	2	2,993	2	2.9	2.9	-0.06	3.0 *	-0.17	3.0 **	-0.19	
		2	Sometimes	52	27	429	25	488	21	47,518	21								
		3	Often	95	47	914	52	1,156	52	115,522	50								
		4	Very often	46	22	393	22	600	26	64,320	28								
		Total		200	100	1,756	100	2,279	100	230,353	100								
3. During the current school year, about how often have you done the following?																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	45	23	369	22	519	24	42,005	19	2.1	2.2	-0.10	2.2	-0.03	2.3 **	-0.21	
		2	Sometimes	95	48	776	45	1,024	45	98,627	43								
		3	Often	43	23	389	22	496	21	57,859	25								
		4	Very often	12	6	208	11	240	9	31,768	14								
		Total		195	100	1,742	100	2,279	100	230,259	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	99	50	796	46	1,206	56	107,558	48	1.7	1.8	-0.08	1.6	.09	1.8	-0.09	
		2	Sometimes	61	33	598	34	660	27	72,732	31								
		3	Often	23	12	234	13	289	12	33,179	14								
		4	Very often	10	5	105	6	109	4	15,614	7								
		Total		193	100	1,733	100	2,264	100	229,083	100								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	60	29	528	31	792	37	70,177	32	2.0	2.0	.05	1.9 *	.15	2.0	.00	
		2	Sometimes	83	46	776	46	967	43	96,324	42								
		3	Often	34	18	293	16	354	15	43,108	19								
		4	Very often	13	7	107	6	131	5	17,356	8								
		Total		190	100	1,704	100	2,244	100	226,965	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Discussed your academic performance with a faculty member	SFperform	1	Never	36	18	446	26	674	31	54,741	25	2.1	2.1	.03	2.0 *	.16	2.1	-.05	
		2	Sometimes	109	60	807	48	1,044	46	102,666	45								
		3	Often	32	17	330	19	412	19	49,472	22								
		4	Very often	10	5	120	7	120	4	19,942	9								
		Total		187	100	1,703	100	2,250	100	226,821	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	8	4	57	4	89	5	8,024	4	2.8	2.9 *	-0.18	2.9	-0.13	2.9 **	-0.19	
		2	Some	63	34	427	27	568	27	57,913	26								
		3	Quite a bit	80	43	799	46	1,040	46	102,962	46								
		4	Very much	35	19	403	24	536	22	56,420	25								
		Total		186	100	1,686	100	2,233	100	225,319	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	9	5	58	4	77	3	7,545	4	2.7	2.8	-0.12	2.9 *	-0.19	2.9 **	-0.25	
		2	Some	64	37	493	30	575	27	57,041	26								
		3	Quite a bit	78	40	815	48	1,085	50	105,175	46								
		4	Very much	35	18	308	18	484	20	54,262	24								
		Total		186	100	1,674	100	2,221	100	224,023	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	9	5	53	3	66	3	7,768	4	2.7	2.8 *	-0.19	2.9 **	-0.26	2.9 ***	-0.30	
		2	Some	69	41	523	33	624	29	58,566	27								
		3	Quite a bit	74	37	720	43	1,013	47	100,071	45								
		4	Very much	30	17	349	21	482	21	55,356	25								
		Total		182	100	1,645	100	2,185	100	221,761	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	9	5	58	4	61	3	8,029	4	2.6	2.8 **	-0.21	2.9 ***	-0.31	2.9 ***	-0.31	
		2	Some	69	38	477	31	581	27	57,721	27								
		3	Quite a bit	80	44	766	46	1,062	49	101,155	45								
		4	Very much	23	13	331	20	469	21	53,628	24								
		Total		181	100	1,632	100	2,173	100	220,533	100								
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	11	7	57	4	90	4	7,746	4	2.7	2.8 *	-0.18	2.8 **	-0.23	2.9 ***	-0.28	
		2	Some	64	36	490	31	606	28	57,708	27								
		3	Quite a bit	75	41	754	46	1,011	47	102,036	46								
		4	Very much	30	16	318	19	459	21	52,087	23								
		Total		180	100	1,619	100	2,166	100	219,577	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	5	2	30	2	39	2	4,394	2	2.9	3.0	-.11	3.0	-.14	3.1 **	-.22
		2	Some	53	30	389	25	488	23	44,610	21							
		3	Quite a bit	79	45	740	46	998	47	101,218	46							
		4	Very much	41	23	441	27	618	28	67,771	31							
		Total		178	100	1,600	100	2,143	100	217,993	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	11	6	59	4	88	5	8,564	4	2.8	2.9	-.09	2.9 *	-.16	3.0 **	-.21
		2	Some	46	25	396	26	470	22	46,980	22							
		3	Quite a bit	87	49	773	47	1,016	47	99,723	45							
		4	Very much	34	19	368	23	561	26	62,058	29							
		Total		178	100	1,596	100	2,135	100	217,325	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	15	8	44	3	70	4	7,104	4	2.8	2.9	-.14	3.0 **	-.24	3.0 ***	-.28
		2	Some	48	27	436	29	496	23	47,440	22							
		3	Quite a bit	70	41	709	44	965	45	94,436	43							
		4	Very much	44	23	399	25	605	28	67,950	31							
		Total		177	100	1,588	100	2,136	100	216,930	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	16	9	103	7	142	8	15,618	8	2.8	2.7	.05	2.8	.04	2.8	-.03
		2	Some	52	28	519	33	682	31	63,121	29							
		3	Quite a bit	64	38	619	39	837	39	81,620	37							
		4	Very much	45	25	342	21	460	22	56,166	26							
		Total		177	100	1,583	100	2,121	100	216,525	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	22	13	138	9	171	8	18,104	9	2.5	2.6	-.10	2.7 *	-.19	2.7 **	-.21
		2	Some	61	34	575	36	741	32	68,797	32							
		3	Quite a bit	70	39	599	38	841	42	82,053	38							
		4	Very much	24	14	268	17	375	18	46,933	22							
		Total		177	100	1,580	100	2,128	100	215,887	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia	Peer Institutions	Aspirational group		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
6. During the current school year, about how often have you done the following?																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	30	17	186	11	225	11	23,383	10	2.3	2.5 *	-0.20	2.5 ***	-0.27	2.6 ***	-0.34
		2	Sometimes	80	46	669	43	859	39	79,833	37							
		3	Often	45	28	532	34	737	36	78,209	37							
		4	Very often	15	8	170	12	272	14	31,796	16							
		Total		170	100	1,557	100	2,093	100	213,221	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	53	32	322	21	410	20	41,761	19	2.0	2.2 **	-0.26	2.3 ***	-0.34	2.3 ***	-0.36
		2	Sometimes	71	41	675	43	853	40	85,409	40							
		3	Often	35	21	434	28	608	30	60,939	29							
		4	Very often	9	6	115	8	215	10	23,890	12							
		Total		168	100	1,546	100	2,086	100	211,999	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	48	29	296	18	367	17	38,520	18	2.0	2.2 ***	-0.30	2.3 ***	-0.36	2.3 ***	-0.40
		2	Sometimes	78	48	723	48	935	46	88,912	42							
		3	Often	37	21	415	27	609	29	62,571	30							
		4	Very often	4	3	97	7	162	8	21,226	10							
		Total		167	100	1,531	100	2,073	100	211,229	100							
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																		
a. Up to 5 pages	wrshortnum <i>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	12	8	77	5	102	5	12,561	6	6.3	6.6	-0.06	6.6	-0.05	6.5	-0.03
		1.5	1-2	33	20	312	20	402	19	41,267	20							
		4	3-5	52	32	507	33	724	35	68,267	33							
		8	6-10	38	24	337	23	473	23	48,318	23							
		13	11-15	15	8	160	10	203	10	21,502	10							
		18	16-20	10	5	62	4	83	4	8,935	4							
		23	More than 20	6	4	72	5	88	4	9,958	5							
		Total		166	100	1,527	100	2,075	100	210,808	100							
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	66	39	491	32	746	34	74,589	37	2.7	2.2	.15	2.3	.13	2.3	.13
		1.5	1-2	50	31	636	42	829	39	77,281	36							
		4	3-5	22	13	270	18	304	17	37,177	17							
		8	6-10	20	12	79	5	129	6	14,464	7							
		13	11-15	6	3	30	2	30	1	4,309	2							
		18	16-20	1	0	9	1	17	1	1,066	1							
		23	More than 20	2	1	4	0	14	1	1,281	1							
Total		167	100	1,519	100	2,069	100	210,167	100									

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. 11 pages or more	wrlongnum	0	None	129	79	1,105	72	1,598	73	159,704	76	1.0	.9	.03	.9	.03	1.0	.01	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	21	12	313	21	337	20	33,238	15								
		4	3-5	7	4	47	3	55	2	7,882	4								
		8	6-10	5	3	21	2	29	2	4,402	2								
		13	11-15	2	1	23	2	30	1	3,218	2								
		18	16-20	2	1	6	0	8	0	723	0								
		23	More than 20	1	0	5	0	12	1	1,149	1								
	Total			167	100	1,520	100	2,069	100	210,316	100								
Estimated number of assigned pages of student writing.	wrpages (Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)											55.8	51.1	.07	52.0	.05	52.5	.05	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	6	3	76	5	97	5	9,705	5	3.0	2.9	.11	2.9	.03	3.0	-.09	
		2	Sometimes	49	31	473	31	650	30	51,310	24								
		3	Often	50	31	544	36	665	32	67,759	32								
		4	Very often	58	34	423	28	647	33	81,208	39								
		Total		163	100	1,516	100	2,059	100	209,982	100								
b. People from an economic background other than your own	DDeconomic	1	Never	11	6	65	5	91	4	9,173	5	3.0	2.9	.05	2.9	.03	3.0	-.06	
		2	Sometimes	41	25	408	26	571	28	48,991	24								
		3	Often	59	36	612	41	780	38	76,516	36								
		4	Very often	53	34	430	28	618	31	74,789	35								
		Total		164	100	1,515	100	2,060	100	209,469	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	15	8	93	6	137	6	14,170	7	2.8	2.8	-.08	2.9	-.13	2.9 *	▽	
		2	Sometimes	54	34	465	31	606	30	56,335	27								
		3	Often	54	32	543	36	706	34	67,842	32								
		4	Very often	42	26	415	27	609	30	71,170	34								
		Total		165	100	1,516	100	2,058	100	209,517	100								
d. People with political views other than your own	DDpolitical	1	Never	16	9	83	6	136	7	14,597	7	2.7	2.9 *	▽	-.20	2.8	-.13	2.9 **	▽
		2	Sometimes	60	37	449	30	659	32	60,761	29								
		3	Often	51	31	574	38	710	34	68,068	32								
		4	Very often	39	23	410	27	554	27	66,171	32								
		Total		166	100	1,516	100	2,059	100	209,597	100								

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NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

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Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
9. During the current school year, about how often have you done the following?																					
a. Identified key information from reading assignments	LSreading	1	Never	6	3	27	2	30	2	3,883	2	2.7	▼	2.9 ***	-0.38	▼	3.0 ***	-0.47	▼	3.0 ***	-0.45
		2	Sometimes	61	39	365	25	462	23	46,755	23										
		3	Often	81	48	762	50	1,010	49	99,636	47										
		4	Very often	17	10	347	23	541	26	57,956	27										
		Total		165	100	1,501	100	2,043	100	208,230	100										
b. Reviewed your notes after class	LSnotes	1	Never	13	8	63	5	75	4	9,065	5	2.7	▼	2.8 *	-0.17	▼	2.9 **	-0.21	▼	2.9 **	-0.25
		2	Sometimes	56	36	451	32	613	31	59,852	29										
		3	Often	61	36	576	38	746	37	75,552	36										
		4	Very often	34	20	412	25	603	28	63,541	30										
		Total		164	100	1,502	100	2,037	100	208,010	100										
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	12	7	73	5	111	6	11,555	6	2.6	▼	2.7 *	-0.20	▼	2.8 **	-0.23	▼	2.8 ***	-0.29
		2	Sometimes	70	41	516	35	658	33	63,226	31										
		3	Often	63	41	589	39	796	40	80,719	39										
		4	Very often	20	12	323	20	471	22	52,527	25										
		Total		165	100	1,501	100	2,036	100	208,027	100										
10. During the current school year, to what extent have your courses challenged you to do your best work?																					
challenge		1	Not at all	3	2	6	0	14	1	1,602	1	5.1	▼	5.3 **	-0.22	▼	5.4 ***	-0.29	▼	5.4 ***	-0.29
		2		3	2	13	1	17	1	2,118	1										
		3		2	1	48	4	82	4	8,881	5										
		4		42	26	194	13	263	12	24,177	12										
		5		52	33	596	40	749	36	69,913	33										
		6		41	24	383	25	539	28	53,247	25										
		7	Very much	20	12	252	16	367	18	46,847	23										
		Total		163	100	1,492	100	2,031	100	206,785	100										
11. Which of the following have you done or do you plan to do before you graduate?^f																					
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		31	19	209	15	311	16	26,604	14	8%	△	4% *	.18	6%	.10	7%	.04		
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	7	4	70	5	117	7	10,798	6										
		Plan to do	111	69	1,142	75	1,489	71	154,049	73											
		Done or in progress	14	8	58	4	110	6	14,799	7											
		Total	163	100	1,479	100	2,027	100	206,250	100											

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State University of New York at Fredonia

First-Year Students

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Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions	Aspirational group	NSSE 2019 & 2020												
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e										
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	56	36	455	32	622	31	57,288	28	7%	10%	-.10	7%	-.01	10%	-.12										
			Do not plan to do	44	27	336	24	515	30	47,615	24																	
			Plan to do	50	30	539	35	712	31	79,458	38																	
			Done or in progress	11	7	141	10	167	7	21,347	10																	
			Total	161	100	1,471	100	2,016	100	205,708	100																	
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	68	43	536	37	764	39	68,421	33	4%	11% **	-0.27	5%	-.05	13% ***	-0.33										
			Do not plan to do	43	25	372	27	604	32	54,645	27																	
			Plan to do	44	28	385	25	506	24	56,249	27																	
			Done or in progress	7	4	173	11	138	5	25,691	13																	
			Total	162	100	1,466	100	2,012	100	205,006	100																	
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	46	29	466	32	603	31	57,165	28	2%	3%	-.04	1%	.06	3%	-.06										
			Do not plan to do	44	29	367	26	552	30	55,738	29																	
			Plan to do	69	40	595	39	823	38	86,487	40																	
			Done or in progress	3	2	40	3	32	1	5,637	3																	
			Total	162	100	1,468	100	2,010	100	205,027	100																	
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	67	44	583	40	844	42	77,925	38	5%	4%	.07	4%	.06	5%	.02										
			Do not plan to do	52	32	323	22	478	25	48,014	24																	
			Plan to do	32	20	512	34	610	29	69,727	33																	
			Done or in progress	9	5	52	4	81	4	9,312	5																	
			Total	160	100	1,470	100	2,013	100	204,978	100																	
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	56	38	537	37	732	37	67,519	34	2%	1%	.03	1%	.07	2%	-.03										
			Do not plan to do	16	10	153	12	217	12	21,916	12																	
			Plan to do	85	50	760	51	1,032	50	111,592	53																	
			Done or in progress	3	2	17	1	21	1	3,781	2																	
			Total	160	100	1,467	100	2,002	100	204,808	100																	
12. About how many of your courses at this institution have included a community-based project (service-learning)?																												
servcourse	1	None	2	Some	3	Most	4	All	Total	74	46	732	51	1,013	53	96,081	48	1.6										
																			2	Some	68	44	608	41	828	39	88,750	43
																			3	Most	13	8	95	6	135	7	15,611	8
																			4	All	2	1	26	2	19	1	3,445	2
																			Total	157	100	1,461	100	1,995	100	203,887	100	

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State University of New York at Fredonia

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
13. Indicate the quality of your interactions with the following people at your institution.																		
a. Students	QIstudent	1	Poor	1	1	23	2	36	3	2,880	2	5.3	5.3	.00	5.3	.03	5.4	-.08
		2		3	2	27	2	32	2	3,759	2							
		3		7	4	69	5	95	4	9,212	5							
		4		23	14	189	13	266	14	23,598	12							
		5		56	36	430	29	569	28	54,338	27							
		6		30	19	391	26	567	26	55,126	26							
	7	Excellent	33	21	322	22	427	22	51,812	25								
	—	Not applicable	6	4	7	1	6	0	2,937	2								
		Total		159	100	1,458	100	1,998	100	203,662	100							
b. Academic advisors	QIadvisor	1	Poor	4	2	48	4	71	3	5,156	3	5.3	5.1	.15	5.2	.09	5.4	-.04
		2		5	3	63	4	80	4	7,189	4							
		3		14	8	125	8	168	8	13,178	6							
		4		15	9	227	16	310	15	25,321	12							
		5		46	28	334	23	392	20	41,236	20							
		6		26	19	305	20	443	22	44,406	22							
	7	Excellent	46	28	343	23	465	25	62,724	31								
	—	Not applicable	3	2	15	1	65	3	4,192	2								
		Total		159	100	1,460	100	1,994	100	203,402	100							
c. Faculty	QIfaculty	1	Poor	3	2	15	1	26	1	2,755	2	5.2	5.3	-.05	5.3	-.11	5.4 *	-.16
		2		3	2	49	3	35	2	4,335	2							
		3		8	4	78	6	116	7	9,972	5							
		4		27	16	191	13	260	12	25,236	13							
		5		54	36	417	28	586	27	52,344	26							
		6		39	25	435	30	592	30	57,845	28							
	7	Excellent	23	14	263	18	362	20	48,653	24								
	—	Not applicable	2	1	8	1	13	1	2,183	1								
		Total		159	100	1,456	100	1,990	100	203,323	100							

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				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e				
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	3	2	35	3	67	5	5,930	3	5.3	5.1	.13	5.1	.12	5.2	.05									
		2		4	2	56	4	68	3	6,629	3																
		3		13	7	114	8	123	6	12,617	6																
		4		24	15	210	14	263	13	26,355	13																
		5		37	23	345	23	438	20	44,304	21																
		6		27	18	356	24	455	21	44,191	21																
		7	Excellent	38	25	263	18	391	20	44,623	22																
		—	Not applicable	13	8	74	6	185	12	18,648	10																
	Total	159	100	1,453	100	1,990	100	203,297	100																		
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	3	2	45	3	65	3	6,138	3	5.2	5.0	.12	5.1	.03	5.2	.01									
		2		2	1	57	4	73	4	7,522	4																
		3		14	9	117	8	129	7	13,642	7																
		4		25	14	217	15	290	14	28,055	14																
		5		37	25	367	25	449	21	44,966	22																
		6		30	20	300	20	417	21	43,875	21																
		7	Excellent	30	19	255	18	388	21	44,529	22																
		—	Not applicable	18	10	98	7	178	9	14,631	8																
	Total	159	100	1,456	100	1,989	100	203,358	100																		
14. How much does your institution emphasize the following?																											
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	5	3	19	2	33	2	3,043	2	2.8	3.0 *	-21	3.0 **	-22	3.1 ***	-36									
		2	Some	45	31	340	24	430	23	37,312	19																
		3	Quite a bit	77	49	726	50	983	50	97,452	48																
		4	Very much	29	17	368	24	540	25	64,701	31																
			Total	156	100	1,453	100	1,986	100	202,508	100																
b. Providing support to help students succeed academically	SEacademic	1	Very little	9	5	66	5	91	5	6,543	4	2.8	2.9	-14	3.0 **	-22	3.0 ***	-31									
		2	Some	47	32	344	25	467	23	41,213	21																
		3	Quite a bit	62	41	637	43	812	41	86,509	42																
		4	Very much	35	21	407	26	616	31	67,691	33																
			Total	153	100	1,454	100	1,986	100	201,956	100																
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	15	10	88	7	106	6	10,201	5	2.8	3.0 *	-20	3.1 ***	-33	3.1 ***	-34									
		2	Some	39	26	292	21	328	17	35,159	18																
		3	Quite a bit	60	39	572	40	747	39	76,417	38																
		4	Very much	41	25	498	32	798	38	80,069	39																
			Total	155	100	1,450	100	1,979	100	201,846	100																

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Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions	Aspirational group	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	21	13	188	14	247	13	20,710	11	2.6	2.6	-.05	2.7	-.12	2.8 *	-0.20
		2	Some	51	34	434	30	607	29	56,703	28							
		3	Quite a bit	55	36	523	37	660	34	71,435	35							
		4	Very much	28	17	296	19	465	24	52,732	26							
		Total		155	100	1,441	100	1,979	100	201,580	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	6	3	70	5	112	7	10,936	6	2.9	2.9	.00	2.9	.03	3.0	-.03
		2	Some	41	27	337	24	456	24	45,494	23							
		3	Quite a bit	68	44	606	42	818	42	81,368	40							
		4	Very much	40	26	428	28	590	28	63,408	31							
		Total		155	100	1,441	100	1,976	100	201,206	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	11	8	122	9	144	8	13,266	7	2.7	2.8	-.10	2.9 *	-.20	2.9 **	-.22
		2	Some	53	35	367	26	454	24	47,270	24							
		3	Quite a bit	57	35	568	40	778	40	79,172	39							
		4	Very much	33	22	385	25	598	29	61,223	30							
		Total		154	100	1,442	100	1,974	100	200,931	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	34	22	321	23	494	26	42,526	22	2.1	2.3	-.14	2.2	-.10	2.3 **	-.21
		2	Some	75	48	552	38	732	36	73,615	36							
		3	Quite a bit	36	24	405	28	502	25	55,758	27							
		4	Very much	8	6	165	11	248	12	28,922	14							
		Total		153	100	1,443	100	1,976	100	200,821	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	12	7	92	7	230	14	18,583	10	2.8	2.8	.05	2.6 **	.23	2.8	.02
		2	Some	43	30	424	30	593	33	51,540	26							
		3	Quite a bit	59	38	603	42	706	34	76,692	38							
		4	Very much	39	25	325	21	442	19	53,773	26							
		Total		153	100	1,444	100	1,971	100	200,588	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	23	15	204	15	345	18	32,467	17	2.3	2.5	-.15	2.4	-.08	2.5	-.14
		2	Some	70	46	527	37	720	37	70,547	35							
		3	Quite a bit	46	30	500	35	615	31	63,651	31							
		4	Very much	13	9	211	14	290	14	33,909	16							
		Total		152	100	1,442	100	1,970	100	200,574	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
15. To what extent do you agree or disagree with the following statements?																			
a. I feel comfortable being myself at this institution.	SBmyself <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	5	4	25	4	23	2	2,360	2	3.1	3.1	.11	3.2	-.11	3.3 *	▽	-.17
		2	Disagree	12	7	97	13	133	9	9,499	8								
		3	Agree	89	61	435	56	889	56	63,429	52								
		4	Strongly agree	46	29	204	27	519	33	46,194	38								
		Total		152	100	761	100	1,564	100	121,482	100								
b. I feel valued by this institution.	SBvalued <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	6	4	57	9	51	4	3,992	4	2.9	2.7 *	.19	2.9	-.11	3.0 *	▽	-.19
		2	Disagree	31	21	195	25	277	18	19,423	16								
		3	Agree	88	59	404	52	925	59	68,054	56								
		4	Strongly agree	26	16	105	14	312	20	29,878	24								
		Total		151	100	761	100	1,565	100	121,347	100								
c. I feel like part of the community at this institution.	SBcommunity <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	4	3	50	7	46	3	4,376	4	2.9	2.8	.11	3.0	-.13	3.0 *	▽	-.16
		2	Disagree	37	24	176	23	279	18	20,115	17								
		3	Agree	81	56	408	52	887	56	64,456	53								
		4	Strongly agree	30	18	129	18	355	23	32,538	26								
		Total		152	100	763	100	1,567	100	121,485	100								
16. About how many hours do you 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)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	0	0	7	1	5	0	759	0	11.6	13.8 **	-.29	13.7 **	-.27	14.4 ***	▽	-.34
		3	1-5 hrs	28	19	168	12	269	15	24,298	13								
		8	6-10 hrs	56	38	369	27	475	24	45,054	23								
		13	11-15 hrs	27	18	334	23	446	21	45,542	23								
		18	16-20 hrs	20	13	281	19	387	20	39,535	19								
		23	21-25 hrs	7	4	157	11	224	11	23,081	11								
		28	26-30 hrs	9	6	67	4	87	4	10,892	5								
		33	More than 30 hrs	4	3	50	4	71	4	10,602	5								
Total		151	100	1,433	100	1,964	100	199,763	100										
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	41	29	371	26	657	44	63,854	34	5.3	6.3	-.14	4.3 *	.18	5.6	△	-.04
		3	1-5 hrs	55	37	495	34	715	29	65,106	31								
		8	6-10 hrs	25	16	271	18	307	13	31,737	16								
		13	11-15 hrs	16	11	138	10	138	6	18,144	9								
		18	16-20 hrs	5	3	86	7	78	4	10,614	5								
		23	21-25 hrs	5	4	37	2	33	1	5,210	3								
		28	26-30 hrs	1	1	15	1	14	1	1,893	1								
		33	More than 30 hrs	0	0	21	2	22	1	2,667	1								
Total		148	100	1,434	100	1,964	100	199,225	100										

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NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia				Peer Institutions				Aspirational group				NSSE 2019 & 2020				SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e						
c. Working for pay on campus	tmworkonhrs	0	0 hrs	111	74	1,095	76	1,638	85	155,365	80	2.6	2.3	.06	1.8	.16	2.4	.04									
	(Recorded version of tmworkon created by NSSE.)	3	1-5 hrs	14	9	112	8	54	2	8,897	4																
		8	6-10 hrs	10	6	115	9	139	6	14,406	6																
		13	11-15 hrs	7	4	47	4	62	3	10,033	5																
	Values are estimated number of hours per week.)	18	16-20 hrs	6	5	42	3	40	2	6,568	3																
		23	21-25 hrs	1	1	16	1	18	1	2,288	1																
		28	26-30 hrs	0	0	4	0	7	1	648	0																
		33	More than 30 hrs	2	1	2	0	8	0	1,095	1																
		Total			151	100	1,433	100	1,966	100	199,300	100															
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	123	80	1,074	76	1,280	56	134,453	66	2.6	3.3	-.10	8.9 ***	-.54	5.9 ***	-.33									
	(Recorded version of tmworkoff created by NSSE.)	3	1-5 hrs	4	2	81	5	100	5	9,432	5																
		8	6-10 hrs	7	5	77	5	79	4	10,756	5																
		13	11-15 hrs	9	7	62	4	120	6	11,176	6																
	Values are estimated number of hours per week.)	18	16-20 hrs	4	3	69	5	121	7	11,601	6																
		23	21-25 hrs	3	2	35	2	102	7	8,216	4																
		28	26-30 hrs	1	1	10	1	58	5	4,524	2																
		33	More than 30 hrs	0	0	23	2	106	10	9,359	6																
		Total			151	100	1,431	100	1,966	100	199,517	100															
Estimated number of hours working for pay	tmworkhrs										5.2	5.5	-.03	10.7 ***	-.44	8.3 ***	-.26										
	(Continuous variable created by NSSE)																										
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	96	64	950	67	1,214	64	116,921	59	2.1	1.9	.04	2.1	.01	2.5	-.08									
	(Recorded version of tmservice created by NSSE.)	3	1-5 hrs	45	28	350	23	533	25	58,858	29																
		8	6-10 hrs	3	2	72	5	117	7	11,820	6																
		13	11-15 hrs	3	2	26	2	50	2	5,674	3																
	Values are estimated number of hours per week.)	18	16-20 hrs	2	2	18	1	23	1	3,068	2																
		23	21-25 hrs	0	0	17	1	15	1	1,562	1																
		28	26-30 hrs	1	1	1	0	1	0	520	0																
		33	More than 30 hrs	1	1	3	0	12	1	994	1																
		Total			151	100	1,437	100	1,965	100	199,417	100															

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State University of New York at Fredonia

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	<i>tmrelaxhrs</i> (Recorded version of <i>tmrelax</i> created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	2	1	12	1	35	3	3,742	2	14.8	14.1	.07	12.3 ***	.29	12.6 **	.26	
		3	1-5 hrs	24	15	218	15	365	19	40,359	20								
		8	6-10 hrs	30	20	377	25	555	28	53,611	26								
		13	11-15 hrs	37	26	323	22	420	21	42,377	21								
		18	16-20 hrs	26	17	222	15	270	12	28,284	14								
		23	21-25 hrs	7	4	115	8	144	7	12,984	7								
		28	26-30 hrs	7	6	57	4	56	3	5,525	3								
		33	More than 30 hrs	17	12	111	9	125	7	12,509	7								
Total				150	100	1,435	100	1,970	100	199,391	100								
g. Providing care for dependents (children, parents, etc.)	<i>tmcarehrs</i> (Recorded version of <i>tmcare</i> created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	118	77	1,202	83	1,576	76	152,783	75	1.5	1.5	.00	2.8 ***	-.18	3.1 ***	-.21	
		3	1-5 hrs	20	15	116	8	186	10	19,515	10								
		8	6-10 hrs	4	2	37	3	79	5	8,420	5								
		13	11-15 hrs	3	3	34	2	38	3	5,869	3								
		18	16-20 hrs	3	2	19	1	33	2	3,554	2								
		23	21-25 hrs	0	0	16	1	12	1	2,020	1								
		28	26-30 hrs	0	0	2	0	10	1	849	1								
		33	More than 30 hrs	1	1	8	1	30	3	6,057	4								
Total				149	100	1,434	100	1,964	100	199,067	100								
h. Commuting to campus (driving, walking, etc.)	<i>tmcommutehrs</i> (Recorded version of <i>tmcommute</i> created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	89	57	884	62	908	33	89,822	43	3.3	2.5	.15	4.9 **	-.25	4.1	-.13	
		3	1-5 hrs	33	23	359	25	633	37	66,347	34								
		8	6-10 hrs	12	9	108	8	231	17	22,611	12								
		13	11-15 hrs	9	6	31	2	97	7	9,652	5								
		18	16-20 hrs	3	2	15	1	42	3	4,571	2								
		23	21-25 hrs	2	1	16	1	18	1	2,377	1								
		28	26-30 hrs	1	1	4	0	15	1	989	1								
		33	More than 30 hrs	1	1	12	1	23	2	3,074	2								
Total				150	100	1,429	100	1,967	100	199,443	100								

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State University of New York at Fredonia

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																		
	reading	1	Very little	20	14	118	9	171	8	22,772	12	2.6	2.8 *	-0.21	2.9 ***	-0.28	2.7	-0.09
		2	Some	55	37	452	32	591	30	67,879	35							
		3	About half	44	29	476	33	584	30	57,801	29							
		4	Most	22	15	297	20	452	23	37,286	18							
		5	Almost all	8	5	91	6	166	8	13,340	6							
			Total	149	100	1,434	100	1,964	100	199,078	100							
	tmreadinghrs											4.6	6.5 ***	-0.36	6.8 ***	-0.39	6.5 ***	-0.32
			(Continuous variable created by NSSE. Calculated as a proportion of tmprehrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)															
	tmreadinghrscol	1	0 hrs	0	0	7	1	5	0	736	0							
		2	More than zero, up to 5 hrs	94	65	708	51	940	49	99,935	52							
		3	More than 5, up to 10 hrs	44	28	434	30	597	30	58,434	29							
		4	More than 10, up to 15 hrs	9	6	156	10	215	10	20,367	10							
		5	More than 15, up to 20 hrs	1	1	71	5	121	7	10,150	5							
		6	More than 20, up to 25 hrs	0	0	41	3	57	3	6,216	3							
		7	More than 25 hrs	1	1	10	1	21	1	2,434	1							
			Total	149	100	1,427	100	1,956	100	198,272	100							
18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																		
a. Writing clearly and effectively	pgwrite	1	Very little	14	9	104	8	118	7	13,505	7	2.7	2.7	-0.02	2.8	-0.10	2.8	-0.13
		2	Some	41	30	430	31	576	29	55,457	28							
		3	Quite a bit	69	45	630	44	881	44	85,039	42							
		4	Very much	22	16	254	17	377	20	44,206	22							
			Total	146	100	1,418	100	1,952	100	198,207	100							

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Speaking clearly and effectively	pgspeak	1	Very little	21	13	192	15	191	10	20,453	11	2.4	2.5	-0.08	2.7 ***	-0.34	2.7 ***	-0.28	
		2	Some	57	42	481	34	576	28	61,546	31								
		3	Quite a bit	53	35	545	37	793	40	75,554	38								
		4	Very much	15	10	199	14	396	21	40,620	21								
		Total		146	100	1,417	100	1,956	100	198,173	100								
c. Thinking critically and analytically	pgthink	1	Very little	6	3	53	4	58	3	5,724	3	2.9	2.9	-0.05	3.0 *	-0.19	3.1 **	-0.26	
		2	Some	39	27	328	24	384	21	37,303	19								
		3	Quite a bit	70	49	687	48	940	47	89,512	44								
		4	Very much	31	21	356	24	574	30	65,694	33								
		Total		146	100	1,424	100	1,956	100	198,233	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	35	23	212	15	218	12	24,735	12	2.2	2.5 ***	-0.30	2.6 ***	-0.46	2.7 ***	-0.50	
		2	Some	59	43	504	36	627	32	61,147	30								
		3	Quite a bit	35	24	503	35	725	38	70,807	36								
		4	Very much	17	10	200	14	376	18	41,486	22								
		Total		146	100	1,419	100	1,946	100	198,175	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	28	19	196	15	299	16	25,095	13	2.4	2.5	-0.04	2.4	-0.02	2.6 *	-0.21	
		2	Some	47	31	525	39	730	37	63,448	32								
		3	Quite a bit	52	36	481	33	649	33	69,259	35								
		4	Very much	19	13	219	14	276	14	40,421	21								
		Total		146	100	1,421	100	1,954	100	198,223	100								
f. Working effectively with others	pgothers	1	Very little	7	4	100	8	127	8	11,935	7	2.8	2.7	.06	2.7	.03	2.9	-0.10	
		2	Some	49	35	413	30	547	30	52,223	27								
		3	Quite a bit	60	40	636	44	870	42	82,732	41								
		4	Very much	30	20	273	18	410	20	51,243	26								
		Total		146	100	1,422	100	1,954	100	198,133	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	21	13	184	14	230	14	20,279	11	2.6	2.6	.03	2.6	-0.02	2.7	-0.15	
		2	Some	44	31	444	32	593	31	56,010	28								
		3	Quite a bit	59	41	554	38	760	37	75,711	37								
		4	Very much	22	15	238	16	371	18	46,080	23								
		Total		146	100	1,420	100	1,954	100	198,080	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	13	8	136	10	182	10	17,072	9	2.8	2.6	.13	2.7	.02	2.8	-.05
		2	Some	46	33	452	33	566	29	53,446	27							
		3	Quite a bit	52	35	559	39	732	38	74,891	37							
		4	Very much	35	24	276	18	477	23	52,728	27							
		Total		146	100	1,423	100	1,957	100	198,137	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	20	14	194	15	243	14	21,040	11	2.4	2.5	-.13	2.5 *	-.19	2.7 ***	-.32
		2	Some	63	44	511	37	705	35	64,376	32							
		3	Quite a bit	49	33	515	35	676	33	71,946	36							
		4	Very much	14	9	205	13	329	17	40,835	21							
		Total		146	100	1,425	100	1,953	100	198,197	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	19	13	164	13	230	12	22,421	12	2.5	2.5	-.09	2.6 *	-.18	2.7 **	-.22
		2	Some	57	40	513	36	664	34	62,970	32							
		3	Quite a bit	52	36	529	36	682	34	70,603	35							
		4	Very much	17	11	220	15	380	20	42,434	21							
		Total		145	100	1,426	100	1,956	100	198,428	100							
19. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	2	1	32	3	37	2	3,580	2	3.0	3.0	-.06	3.1	-.16	3.2 **	-.24
		2	Fair	31	21	229	17	295	15	25,583	13							
		3	Good	81	55	747	52	1,062	52	98,547	49							
		4	Excellent	37	24	422	28	564	31	71,526	35							
		Total		151	100	1,430	100	1,958	100	199,236	100							
20. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	6	4	60	5	86	4	6,920	4	3.1	3.1	.01	3.1	-.02	3.2	-.11
		2	Probably no	17	10	218	16	324	15	25,070	13							
		3	Probably yes	83	55	610	43	864	44	84,572	42							
		4	Definitely yes	47	31	550	36	687	37	83,492	41							
		Total		153	100	1,438	100	1,961	100	200,054	100							
21. Do you intend to return to this institution next year?^f																		
(Means indicate the percentage who responded "Yes.")	returnexp	No		7	4	53	4	93	4	8,032	4	80%	87% *	-.16	86%	-.15	88% **	-.20
		Yes		125	80	1,257	87	1,691	86	177,230	88							
		Not sure		21	16	135	10	178	10	15,155	8							
		Total		153	100	1,445	100	1,962	100	200,417	100							

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NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	3	2	53	3	61	2	8,265	3	3.1	3.1	-.07	3.1	-.10	3.1	.00	
		2	Sometimes	40	25	490	24	692	24	77,998	27								
		3	Often	59	38	683	33	899	31	93,793	31								
		4	Very often	58	35	831	41	1,153	43	116,601	39								
		Total		160	100	2,057	100	2,805	100	296,657	100								
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	9	5	126	7	163	6	18,708	6	3.0	3.0	.01	3.0	.09	3.0	.02	
		2	Often	21	13	262	13	385	14	39,706	14								
		3	Sometimes	89	55	1,093	52	1,595	57	155,099	52								
		4	Never	42	27	578	28	661	23	82,076	28								
		Total		161	100	2,059	100	2,804	100	295,589	100								
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	50	31	921	47	1,207	45	139,553	49	2.3	1.8 *** ▲	.54	1.8 *** ▲	.55	1.7 *** ▲	.58	
		2	Sometimes	55	34	777	37	1,125	38	102,734	34								
		3	Often	20	12	200	9	302	10	32,241	10								
		4	Very often	36	23	151	7	169	6	20,570	7								
		Total		161	100	2,049	100	2,803	100	295,098	100								
d. Asked another student to help you understand course material	CLaskhelp	1	Never	20	12	221	12	267	11	44,136	16	2.5	2.5	.01	2.5	.01	2.4	.11	
		2	Sometimes	68	41	818	41	1,129	42	118,979	41								
		3	Often	46	29	648	31	909	31	85,206	28								
		4	Very often	27	18	357	17	493	16	46,528	15								
		Total		161	100	2,044	100	2,798	100	294,849	100								
e. Explained course material to one or more students	CLexplain	1	Never	7	5	72	4	77	3	23,759	8	2.8	2.8	-.09	2.9	-.11	2.7	.08	
		2	Sometimes	52	32	631	32	880	32	99,807	34								
		3	Often	71	44	816	39	1,167	41	107,561	36								
		4	Very often	31	19	522	25	668	24	63,340	21								
		Total		161	100	2,041	100	2,792	100	294,467	100								
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	24	16	335	18	367	15	56,158	20	2.5	2.5	-.07	2.5	-.05	2.5	.01	
		2	Sometimes	58	35	653	32	992	36	96,766	33								
		3	Often	53	35	617	30	876	30	82,329	27								
		4	Very often	25	14	423	21	547	18	57,935	19								
		Total		160	100	2,028	100	2,782	100	293,188	100								

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State University of New York at Fredonia

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Statistical Comparisons^b

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Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
g. Worked with other students on course projects or assignments	CLproject	1	Never	5	4	82	5	110	5	25,968	9	2.9	2.9	-.07	2.9	-.08	2.8	.05		
		2	Sometimes	49	30	537	27	685	27	80,913	28									
		3	Often	67	42	796	39	1,104	39	103,359	35									
		4	Very often	40	24	605	29	877	30	81,882	28									
		Total		161	100	2,020	100	2,776	100	292,122	100									
h. Given a course presentation	present	1	Never	11	8	113	6	166	7	34,528	13	2.9	2.9	-.02	2.9	.01	2.7 **	△		
		2	Sometimes	42	25	535	27	676	27	89,544	32									
		3	Often	60	37	717	36	1,051	36	93,948	31									
		4	Very often	48	30	650	31	882	30	73,828	24									
		Total		161	100	2,015	100	2,775	100	291,848	100									
2. During the current school year, about how often have you done the following?																				
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	8	6	75	4	83	4	11,425	4	2.8	3.0 **	▽	-.22	3.0 **	▽	-.26	2.9	-.14
		2	Sometimes	48	30	460	24	631	23	78,439	28									
		3	Often	69	43	816	41	1,165	42	118,689	41									
		4	Very often	34	21	627	31	881	31	80,778	27									
		Total		159	100	1,978	100	2,760	100	289,331	100									
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	15	11	125	7	146	7	19,255	8	2.7	2.8	-.15	2.9 *	▽	-.21	2.8	-.09	
		2	Sometimes	47	30	570	29	738	27	88,792	32									
		3	Often	61	38	737	38	1,043	37	106,119	36									
		4	Very often	34	21	526	26	818	29	73,933	25									
		Total		157	100	1,958	100	2,745	100	288,099	100									
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	17	14	186	10	240	11	32,463	13	2.7	2.7	-.02	2.7	-.04	2.6	.06		
		2	Sometimes	49	31	639	33	857	32	97,075	34									
		3	Often	48	30	664	34	940	33	91,982	31									
		4	Very often	42	25	449	23	685	24	64,867	22									
		Total		156	100	1,938	100	2,722	100	286,387	100									
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	10	7	96	5	125	5	12,087	5	2.8	2.8	-.07	2.9	-.12	2.8	-.10		
		2	Sometimes	48	32	558	29	753	27	81,922	29									
		3	Often	61	38	854	44	1,191	44	124,485	43									
		4	Very often	34	23	404	21	639	24	65,976	23									
		Total		153	100	1,912	100	2,708	100	284,470	100									

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State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	8	7	38	2	59	3	7,281	3	2.9	3.0	-.17	3.0	-.17	3.0	-.15
		2	Sometimes	38	26	444	24	626	24	66,034	24							
		3	Often	61	38	838	44	1,206	45	127,710	45							
		4	Very often	41	28	554	29	791	29	80,619	28							
		Total		148	100	1,874	100	2,682	100	281,644	100							
f. Learned something that changed the way you understand an issue or concept	RNewview	1	Never	7	6	43	3	47	2	5,366	2	2.9	2.9	-.11	3.0 *	-.20	3.0	-.14
		2	Sometimes	37	26	505	28	596	23	70,548	26							
		3	Often	66	44	766	43	1,207	45	125,676	45							
		4	Very often	34	24	502	27	792	30	77,356	27							
		Total		144	100	1,816	100	2,642	100	278,946	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	4	4	17	1	26	1	2,467	1	3.2	3.2	-.02	3.2	-.12	3.2	-.06
		2	Sometimes	17	12	283	16	348	14	41,093	15							
		3	Often	72	48	852	47	1,208	45	129,979	47							
		4	Very often	49	35	648	35	1,052	40	103,184	37							
		Total		142	100	1,800	100	2,634	100	276,723	100							
3. During the current school year, about how often have you done the following?																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	18	14	241	15	411	17	44,905	18	2.6	2.6	.06	2.5	.16	2.5 *	.19
		2	Sometimes	45	33	649	37	1,005	39	106,022	39							
		3	Often	41	29	474	26	661	24	70,057	24							
		4	Very often	38	25	436	23	553	21	55,679	19							
		Total		142	100	1,800	100	2,630	100	276,663	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	35	25	591	35	1,002	40	113,095	43	2.3	2.1 *	.18	2.0 **	.26	2.0 ***	.34
		2	Sometimes	50	34	585	33	794	30	83,503	30							
		3	Often	34	25	334	17	445	16	45,915	16							
		4	Very often	23	15	282	15	379	14	33,222	12							
		Total		142	100	1,792	100	2,620	100	275,735	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	21	15	357	22	586	23	72,688	28	2.4	2.3	.07	2.3	.14	2.2 **	.24
		2	Sometimes	64	45	708	40	1,061	41	109,724	40							
		3	Often	35	25	429	24	605	22	59,105	21							
		4	Very often	19	15	278	15	352	13	32,321	11							
		Total		139	100	1,772	100	2,604	100	273,838	100							

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Statistical Comparisons^b

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				SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Discussed your academic performance with a faculty member	SFperform	1	Never	28	22	334	20	569	24	60,487	23	2.2	2.3	-.07	2.2	.03	2.2	.03	
		2	Sometimes	63	45	748	43	1,094	42	118,926	43								
		3	Often	29	19	434	24	629	23	62,393	22								
		4	Very often	20	14	256	14	317	12	32,079	11								
		Total		140	100	1,772	100	2,609	100	273,885	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	14	11	118	7	182	7	20,830	8	2.7	2.8	-.12	2.8	-.09	2.8	-.09	
		2	Some	41	29	541	31	771	31	83,586	31								
		3	Quite a bit	57	40	686	39	1,046	40	107,647	39								
		4	Very much	27	19	414	23	594	21	60,356	22								
		Total		139	100	1,759	100	2,593	100	272,419	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	8	7	68	4	59	3	7,248	3	3.0	3.0	-.03	3.1	-.12	3.1	-.10	
		2	Some	28	20	349	21	463	18	53,180	20								
		3	Quite a bit	56	41	782	45	1,243	48	123,040	45								
		4	Very much	46	32	549	30	811	31	87,908	32								
		Total		138	100	1,748	100	2,576	100	271,376	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	10	8	68	4	79	3	8,326	3	2.8	3.0	-.15	3.0 *	-.22	3.0 *	-.23	
		2	Some	37	26	405	24	537	21	57,574	22								
		3	Quite a bit	50	37	723	42	1,126	44	117,987	44								
		4	Very much	38	28	523	30	811	31	85,372	31								
		Total		135	100	1,719	100	2,553	100	269,259	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	9	7	93	6	120	6	12,252	5	2.8	2.9	-.13	2.9	-.17	2.9 *	-.17	
		2	Some	37	27	411	24	560	23	62,477	24								
		3	Quite a bit	58	44	727	43	1,112	43	115,914	43								
		4	Very much	31	22	474	27	754	28	77,496	28								
		Total		135	100	1,705	100	2,546	100	268,139	100								
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	10	8	76	5	107	5	9,626	4	2.9	2.9	-.07	3.0	-.10	3.0	-.11	
		2	Some	30	22	402	24	546	22	61,572	24								
		3	Quite a bit	58	44	745	44	1,165	46	120,547	45								
		4	Very much	35	26	470	27	711	27	75,513	28								
		Total		133	100	1,693	100	2,529	100	267,258	100								

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
5. During the current school year, to what extent have your instructors done the following?																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	9	8	46	3	49	3	5,537	2	3.0	3.1	-.14	3.1	-.14	3.1	-.16	
		2	Some	22	17	266	16	386	17	45,438	17								
		3	Quite a bit	58	39	764	46	1,151	46	116,047	43								
		4	Very much	43	36	604	36	938	35	98,750	37								
		Total		132	100	1,680	100	2,524	100	265,772	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	12	11	67	4	85	4	10,291	4	3.0	3.1	-.09	3.1	-.07	3.1	-.07	
		2	Some	18	14	294	17	433	17	49,170	19								
		3	Quite a bit	58	39	757	46	1,175	47	116,484	43								
		4	Very much	43	36	557	33	828	31	89,221	34								
		Total		131	100	1,675	100	2,521	100	265,166	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	8	7	55	4	65	3	8,658	4	3.1	3.1	-.06	3.1	-.08	3.1	-.04	
		2	Some	21	15	322	19	406	16	49,832	19								
		3	Quite a bit	55	42	652	39	1,097	45	109,335	41								
		4	Very much	47	36	645	38	951	36	96,999	36								
		Total		131	100	1,674	100	2,519	100	264,824	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	20	17	135	8	230	11	24,845	10	2.7	2.8	-.15	2.7	-.05	2.8	-.10	
		2	Some	30	23	469	29	696	29	73,249	28								
		3	Quite a bit	46	32	576	34	940	36	91,892	34								
		4	Very much	35	27	488	29	651	24	74,425	27								
		Total		131	100	1,668	100	2,517	100	264,411	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	12	12	136	8	199	8	19,301	8	2.7	2.8	-.11	2.8	-.08	2.8	-.11	
		2	Some	38	29	447	27	687	28	72,980	28								
		3	Quite a bit	49	35	646	39	978	39	101,293	38								
		4	Very much	32	25	440	26	651	25	70,275	26								
		Total		131	100	1,669	100	2,515	100	263,849	100								

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				SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	33	25	247	15	275	11	28,190	10	2.3	2.5 **	-.27	2.7 ***	-.39	2.7 ***	-.40	
		2	Sometimes	44	36	574	34	844	33	90,244	34								
		3	Often	34	26	548	34	890	35	93,180	36								
		4	Very often	17	14	275	18	478	20	49,611	20								
		Total		128	100	1,644	100	2,487	100	261,225	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	41	32	361	22	427	18	45,957	18	2.1	2.4 **	-.25	2.4 ***	-.34	2.4 ***	-.34	
		2	Sometimes	47	37	599	36	890	36	96,520	37								
		3	Often	22	18	441	27	743	29	76,924	30								
		4	Very often	16	13	242	16	411	17	40,805	16								
		Total		126	100	1,643	100	2,471	100	260,206	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	30	23	309	19	403	17	41,893	16	2.3	2.4	-.13	2.5 *	-.21	2.4 *	-.20	
		2	Sometimes	51	43	648	39	885	36	100,285	38								
		3	Often	26	21	467	28	809	32	80,738	31								
		4	Very often	17	14	216	14	366	15	36,561	14								
		Total		124	100	1,640	100	2,463	100	259,477	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum <i>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	5	4	67	4	119	6	14,892	6	7.8	7.8	.00	7.7	.02	7.7	.02	
		1.5	1-2	19	16	262	16	360	16	43,831	17								
		4	3-5	42	34	488	31	729	30	74,095	29								
		8	6-10	25	22	380	23	575	22	57,995	22								
		13	11-15	11	9	189	12	311	12	28,844	11								
		18	16-20	6	4	96	6	133	5	15,309	6								
		23	More than 20	14	12	150	8	225	9	23,723	9								
Total		122	100	1,632	100	2,452	100	258,689	100										
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	32	26	316	20	463	22	58,804	24	3.9	3.5	.10	3.6	.09	3.7	.06	
		1.5	1-2	38	33	581	35	790	33	84,435	32								
		4	3-5	29	21	453	27	705	28	63,784	24								
		8	6-10	14	11	177	11	315	11	31,221	12								
		13	11-15	4	3	55	3	86	3	11,014	4								
		18	16-20	4	3	28	2	47	2	4,081	2								
		23	More than 20	3	3	19	1	34	1	4,525	2								
Total		124	100	1,629	100	2,440	100	257,864	100										

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. 11 pages or more	wrlongnum	0	None	62	51	693	43	998	43	121,675	48	1.9	1.8	.03	1.9	.00	2.0	-.03	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	39	31	654	40	979	39	86,920	32								
		4	3-5	14	11	170	11	290	11	28,061	11								
		8	6-10	4	3	54	3	95	3	10,588	4								
		13	11-15	0	0	38	2	41	2	5,732	2								
		18	16-20	1	1	10	1	13	1	2,137	1								
		23	More than 20	3	3	11	1	32	1	3,293	1								
	Total			123	100	1,630	100	2,448	100	258,406	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									83.5	78.9	.05	80.1	.04	82.3	.01	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	6	6	84	6	97	4	12,595	5	3.1	2.9 *	.20	3.0	.07	3.1	.03	
		2	Sometimes	22	19	487	29	602	25	60,059	23								
		3	Often	45	35	516	32	784	32	80,028	31								
		4	Very often	49	41	545	33	973	38	105,510	41								
		Total		122	100	1,632	100	2,456	100	258,192	100								
b. People from an economic background other than your own	DDeconomic	1	Never	5	5	57	4	76	3	10,865	5	3.1	3.0	.10	3.1	.00	3.1	.00	
		2	Sometimes	24	19	427	26	567	23	58,005	22								
		3	Often	48	40	617	38	893	37	91,895	35								
		4	Very often	44	36	524	32	916	37	96,830	38								
		Total		121	100	1,625	100	2,452	100	257,595	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	7	9	99	6	140	6	16,593	6	2.9	2.9	-.01	3.0	-.10	3.0	-.12	
		2	Sometimes	37	30	488	31	678	27	67,832	26								
		3	Often	39	29	540	33	798	33	82,321	32								
		4	Very often	40	33	502	30	828	34	90,900	36								
		Total		123	100	1,629	100	2,444	100	257,646	100								
d. People with political views other than your own	DDpolitical	1	Never	9	8	105	7	159	6	16,903	7	2.7	2.9	-.17	2.9	-.17	2.9 *	-.22	
		2	Sometimes	45	38	484	30	789	31	73,364	28								
		3	Often	37	28	530	32	748	32	82,249	32								
		4	Very often	32	26	508	31	756	31	85,245	34								
		Total		123	100	1,627	100	2,452	100	257,761	100								

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State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	6	7	41	3	55	3	5,951	3	3.1	3.1	-0.01	3.1	-0.06	3.1	-0.03	
		2	Sometimes	24	18	333	21	440	18	49,630	20								
		3	Often	44	36	697	43	1,101	45	112,056	43								
		4	Very often	47	39	546	33	844	34	88,972	34								
		Total		121	100	1,617	100	2,440	100	256,609	100								
b. Reviewed your notes after class	LSnotes	1	Never	16	13	161	10	202	9	18,590	7	2.7	2.8	-0.05	2.8	-0.10	2.8	-0.15	
		2	Sometimes	35	31	504	31	713	29	76,722	30								
		3	Often	36	29	495	31	825	34	85,259	33								
		4	Very often	34	27	453	27	698	28	75,820	30								
		Total		121	100	1,613	100	2,438	100	256,391	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	15	13	129	8	182	8	16,705	7	2.7	2.8	-0.09	2.8	-0.09	2.8	-0.18	
		2	Sometimes	36	30	501	31	754	31	74,285	29								
		3	Often	41	34	595	37	895	37	95,722	37								
		4	Very often	29	24	390	24	609	24	69,650	27								
		Total		121	100	1,615	100	2,440	100	256,362	100								
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge		1	Not at all	3	3	14	1	27	1	2,456	1	5.4	5.5	-0.06	5.5	-0.12	5.6	-0.14	
		2		3	3	22	1	34	2	3,345	1								
		3		4	3	64	4	93	4	10,585	4								
		4		14	12	178	12	241	10	25,639	10								
		5		34	27	492	31	698	28	72,734	28								
		6		30	26	425	26	685	29	65,775	25								
		7	Very much	33	26	410	25	640	26	74,389	29								
		Total		121	100	1,605	100	2,418	100	254,923	100								
11. Which of the following have you done or do you plan to do before you graduate?^f																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	7	7	132	9	243	10	25,334	10	64%	53% *	.22	46% ***	.36	48% ***	.32	
			Do not plan to do	17	15	227	15	408	19	41,036	17								
			Plan to do	19	14	371	23	603	25	60,667	24								
			Done or in progress	78	64	874	53	1,155	46	127,650	48								
			Total	121	100	1,604	100	2,409	100	254,687	100								

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State University of New York at Fredonia

Seniors

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Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Hold a formal leadership role in a student organization or group	leader	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	9	9	139	9	270	11	30,518	12	52%	43% *	.19	34% ***	.38	34% ***	.37	
			Do not plan to do	42	34	649	42	1,112	48	110,504	44								
			Plan to do	5	5	94	6	175	6	21,642	9								
			Done or in progress	65	52	719	43	852	34	91,546	34								
			Total	121	100	1,601	100	2,409	100	254,210	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	12	10	195	13	324	13	37,239	15	27%	23%	.10	22%	.11	22%	.10	
			Do not plan to do	67	54	879	56	1,297	56	130,783	52								
			Plan to do	9	8	123	8	228	8	26,002	10								
			Done or in progress	30	27	400	23	552	22	59,362	22								
			Total	118	100	1,597	100	2,401	100	253,386	100								
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	12	10	152	10	253	10	29,789	12	17%	17%	.00	12%	.13	14%	.09	
			Do not plan to do	80	69	1,050	67	1,691	72	166,987	67								
			Plan to do	5	4	97	6	146	6	17,480	7								
			Done or in progress	23	17	295	17	311	12	39,251	14								
			Total	120	100	1,594	100	2,401	100	253,507	100								
e. Work with a faculty member on a research project	research	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	16	14	184	12	320	14	39,025	16	27%	27%	.00	27%	.00	23%	.11	
			Do not plan to do	70	56	795	50	1,127	48	124,461	49								
			Plan to do	2	2	165	11	279	11	29,712	12								
			Done or in progress	32	27	452	27	673	27	60,267	23								
			Total	120	100	1,596	100	2,399	100	253,465	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	11	10	125	8	128	6	24,376	10	57%	50%	.13	53%	.09	44% **	.26	
			Do not plan to do	17	13	338	23	391	16	49,812	21								
			Plan to do	24	19	286	18	562	25	60,823	25								
			Done or in progress	68	57	842	50	1,317	53	118,339	44								
			Total	120	100	1,591	100	2,398	100	253,350	100								
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse	1	None	49	42	664	43	874	41	93,899	39	1.6	1.7	-.11	1.7	-.14	1.8 *	-.20	
			2	Some	67	55	751	46	1,230	48	126,607								49
			3	Most	3	2	144	8	242	9	25,980								10
			4	All	1	1	31	2	45	2	6,099								2
			Total	120	100	1,590	100	2,391	100	252,585	100								

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State University of New York at Fredonia

Seniors

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Your seniors compared with

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				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	4	3	11	1	25	1	2,971	1	5.4	5.5	-.08	5.7	-.16	5.6	-.12	
		2		4	4	25	2	36	2	3,854	2								
		3		6	5	73	5	85	3	9,624	4								
		4		10	7	163	11	196	8	24,571	10								
		5		27	23	408	25	578	24	61,273	24								
		6		32	28	461	29	727	31	69,088	27								
		7	Excellent	34	28	436	27	737	30	75,009	30								
		—	Not applicable	2	2	13	1	12	1	6,180	3								
			Total	119	100	1,590	100	2,396	100	252,570	100								
b. Academic advisors	QIadvisor	1	Poor	5	5	88	6	142	6	10,531	4	5.3	5.1	.13	5.0	.19	5.3	.02	
		2		8	6	100	7	122	6	11,219	5								
		3		11	9	97	6	209	8	17,603	7								
		4		7	6	203	13	300	12	29,884	12								
		5		19	16	307	20	457	20	45,983	18								
		6		27	23	305	19	480	21	49,599	19								
		7	Excellent	40	35	484	30	592	24	83,772	33								
		—	Not applicable	1	1	7	1	88	3	3,790	2								
			Total	118	100	1,591	100	2,390	100	252,381	100								
c. Faculty	QIfaculty	1	Poor	5	5	23	2	35	2	3,596	2	5.2	5.5	-.16	5.6 *	-.28	5.5	-.21	
		2		5	4	28	2	31	1	4,854	2								
		3		6	5	79	5	102	4	11,010	5								
		4		11	10	181	12	223	10	27,108	11								
		5		33	26	404	25	558	22	58,330	23								
		6		26	23	455	28	716	30	71,304	28								
		7	Excellent	31	27	411	26	714	30	73,716	29								
		—	Not applicable	1	1	6	1	12	1	2,391	1								
			Total	118	100	1,587	100	2,391	100	252,309	100								

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Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	10	8	74	5	102	5	10,258	4	4.8	4.9	-.05	5.1	-.18	5.0	-.13	
		2		3	2	69	5	78	3	10,257	4								
		3		12	11	126	8	148	6	17,005	7								
		4		18	15	212	14	265	11	31,959	12								
		5		29	23	336	21	469	19	46,758	18								
		6		15	12	284	16	491	20	43,849	17								
		7	Excellent	24	23	300	19	481	19	48,534	19								
		—	Not applicable	7	6	188	13	358	18	43,560	19								
	Total			118	100	1,589	100	2,392	100	252,180	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	11	10	103	7	103	5	11,260	5	4.7	4.7	-.01	5.0	-.20	5.0	-.18	
		2		7	6	87	6	94	4	11,833	5								
		3		9	6	132	8	175	7	19,220	8								
		4		16	12	252	17	302	12	36,160	14								
		5		31	27	351	21	585	24	52,459	20								
		6		20	17	319	19	539	23	50,331	20								
		7	Excellent	21	19	272	17	460	18	55,092	22								
		—	Not applicable	3	3	75	5	134	7	15,923	7								
	Total			118	100	1,591	100	2,392	100	252,278	100								
14. How much does your institution emphasize the following?																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	5	5	34	2	52	2	4,764	2	3.0	3.1	-.10	3.0	-.07	3.1	-.17	
		2	Some	26	22	314	20	476	21	45,825	19								
		3	Quite a bit	54	44	748	48	1,121	47	114,662	46								
		4	Very much	33	29	489	30	736	29	86,226	34								
			Total			118	100	1,585	100	2,385	100								251,477
b. Providing support to help students succeed academically	SEacademic	1	Very little	12	12	103	7	105	5	12,879	6	2.8	2.8	-.04	2.9	-.19	2.9	-.19	
		2	Some	29	24	437	28	566	25	59,730	24								
		3	Quite a bit	48	38	652	41	1,030	43	105,940	42								
		4	Very much	28	25	391	23	682	27	72,443	28								
			Total			117	100	1,583	100	2,383	100								250,992
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	12	13	158	11	144	7	22,186	9	2.7	2.8	-.03	2.9 *	-.22	2.9	-.14	
		2	Some	36	28	410	27	518	23	60,694	25								
		3	Quite a bit	37	33	609	39	971	41	94,318	37								
		4	Very much	32	27	400	24	751	29	73,583	29								
			Total			117	100	1,577	100	2,384	100								250,781

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				SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia	Peer Institutions	Aspirational group	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	25	23	304	19	346	16	36,719	15	2.4	2.4	-0.08	2.6 *	-.22	2.6 **	-.26
		2	Some	41	34	520	33	760	32	76,127	30							
		3	Quite a bit	34	28	496	32	747	32	80,454	32							
		4	Very much	17	15	257	16	529	21	57,098	23							
		Total		117	100	1,577	100	2,382	100	250,398	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	7	6	116	8	162	7	22,034	9	3.0	2.8	.14	2.8	.15	2.8	.15
		2	Some	24	21	395	26	636	28	65,529	27							
		3	Quite a bit	54	44	649	42	955	40	96,013	38							
		4	Very much	33	28	411	24	623	25	66,593	26							
		Total		118	100	1,571	100	2,376	100	250,169	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	22	19	215	15	241	11	29,632	12	2.4	2.6 *	-.19	2.8 ***	-.35	2.7 **	-.30
		2	Some	42	35	460	30	631	26	69,636	28							
		3	Quite a bit	36	30	565	36	883	37	89,156	35							
		4	Very much	18	16	329	20	622	25	61,451	24							
		Total		118	100	1,569	100	2,377	100	249,875	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	53	46	631	41	794	35	81,709	33	1.8	1.9	-.15	2.1 **	-.26	2.1 ***	-.31
		2	Some	44	36	519	32	809	34	87,394	35							
		3	Quite a bit	12	10	269	18	512	21	52,392	21							
		4	Very much	9	8	139	9	251	10	28,153	11							
		Total		118	100	1,558	100	2,366	100	249,648	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	13	11	211	14	393	18	42,927	18	2.8	2.6 **	.26	2.5 ***	.38	2.5 **	.28
		2	Some	32	25	497	32	812	35	74,460	30							
		3	Quite a bit	40	34	565	36	754	31	82,433	32							
		4	Very much	33	29	283	18	410	16	49,539	20							
		Total		118	100	1,556	100	2,369	100	249,359	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	30	27	315	21	446	19	55,324	23	2.2	2.3	-.07	2.4	-.11	2.3	-.06
		2	Some	41	32	620	40	918	39	91,315	37							
		3	Quite a bit	33	28	409	26	682	28	68,970	27							
		4	Very much	14	12	213	13	325	13	33,813	13							
		Total		118	100	1,557	100	2,371	100	249,422	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
15. To what extent do you agree or disagree with the following statements?																			
a. I feel comfortable being myself at this institution.	SBmyself <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	5	6	29	3	35	2	3,705	3	3.4	3.2 *	.20	3.3	.06	3.3	.09	
		2	Disagree	4	3	91	10	117	7	10,196	7								
		3	Agree	51	39	455	48	861	46	70,352	46								
		4	Strongly agree	58	53	375	39	842	45	64,675	44								
		Total		118	100	950	100	1,855	100	148,928	100								
b. I feel valued by this institution.	SBvalued <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	11	11	95	10	97	6	9,614	7	2.8	2.7	.13	2.9	-.14	2.9	-.13	
		2	Disagree	23	18	258	26	318	18	27,411	18								
		3	Agree	59	49	438	47	984	52	73,757	49								
		4	Strongly agree	25	22	159	17	452	24	38,007	26								
		Total		118	100	950	100	1,851	100	148,789	100								
c. I feel like part of the community at this institution.	SBcommunity <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	10	9	76	8	88	5	8,364	6	3.0	2.8	.14	3.0	-.05	3.0	-.02	
		2	Disagree	20	16	215	22	295	16	26,991	18								
		3	Agree	56	46	465	49	988	53	73,605	49								
		4	Strongly agree	32	29	196	21	485	26	39,929	27								
		Total		118	100	952	100	1,856	100	148,889	100								
16. About how many hours do you 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)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	1	1	5	0	9	0	970	0	16.3	14.4	.22	14.3 *	.23	14.9	.16	
		3	1-5 hrs	18	17	207	14	302	13	32,117	13								
		8	6-10 hrs	18	13	421	27	605	26	57,244	23								
		13	11-15 hrs	23	20	280	18	503	20	51,431	21								
		18	16-20 hrs	20	15	268	17	451	19	45,136	18								
		23	21-25 hrs	13	12	167	11	224	9	26,899	11								
		28	26-30 hrs	6	4	104	6	115	5	15,341	6								
		33	More than 30 hrs	19	17	105	6	158	7	19,722	8								
Total		118	100	1,557	100	2,367	100	248,860	100										
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	29	26	496	33	962	45	105,111	44	6.2	6.4	-.02	4.4 *	.28	5.0	.18	
		3	1-5 hrs	49	39	443	28	760	30	67,786	26								
		8	6-10 hrs	19	17	258	16	291	11	32,001	13								
		13	11-15 hrs	7	6	158	10	144	6	18,823	7								
		18	16-20 hrs	7	6	96	7	103	4	11,755	5								
		23	21-25 hrs	3	3	54	4	48	2	6,278	2								
		28	26-30 hrs	2	1	17	1	21	1	2,606	1								
		33	More than 30 hrs	2	2	31	2	28	1	4,078	2								
Total		118	100	1,553	100	2,357	100	248,438	100										

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. Working for pay on campus	tmworkonhrs	0	0 hrs	77	64	998	66	1,659	72	174,531	72	4.7	4.0	.10	3.7	.14	3.6	.15	
	(Recorded version of tmworkon created by NSSE.	3	1-5 hrs	8	7	110	7	103	4	12,359	4								
	8	6-10 hrs	13	11	165	10	168	7	20,916	7									
	13	11-15 hrs	4	4	125	8	193	7	16,264	6									
	18	16-20 hrs	8	8	89	6	150	6	15,195	6									
	23	21-25 hrs	3	3	28	2	46	2	4,608	2									
	28	26-30 hrs	1	1	9	1	23	1	1,700	1									
	33	More than 30 hrs	3	3	21	1	19	1	2,861	1									
	Total			117	100	1,545	100	2,361	100	248,434	100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	73	63	769	50	930	39	101,871	41	5.7	9.9 ***	-0.35	12.9 ***	-0.56	13.0 ***	-0.55	
	(Recorded version of tmworkoff created by NSSE.	3	1-5 hrs	9	6	66	4	124	5	12,247	5								
	8	6-10 hrs	6	6	102	6	175	7	15,956	6									
	13	11-15 hrs	8	8	102	6	205	8	17,359	7									
	18	16-20 hrs	13	11	162	10	256	10	22,907	9									
	23	21-25 hrs	1	1	118	7	194	7	17,818	7									
	28	26-30 hrs	2	1	82	5	141	6	13,083	5									
	33	More than 30 hrs	6	5	150	11	338	18	47,412	21									
	Total			118	100	1,551	100	2,363	100	248,653	100								
Estimated number of hours working for pay	tmworkhrs										10.3	13.9 **	-0.28	16.6 ***	-0.48	16.7 ***	-0.47		
	(Continuous variable created by NSSE)											▽		▽		▽			
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	65	56	843	56	1,195	53	123,891	51	2.8	3.0	-0.03	3.1	-0.04	3.3	-0.07	
	(Recorded version of tmservice created by NSSE.	3	1-5 hrs	41	34	471	29	761	32	82,535	32								
	8	6-10 hrs	5	4	117	7	196	7	20,674	8									
	13	11-15 hrs	4	3	53	4	94	3	9,390	4									
	18	16-20 hrs	0	0	31	2	49	2	5,563	2									
	23	21-25 hrs	0	0	9	1	20	1	2,570	1									
	28	26-30 hrs	0	0	10	1	15	1	1,157	0									
	33	More than 30 hrs	3	3	16	1	31	1	2,706	1									
	Total			118	100	1,550	100	2,361	100	248,486	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs <i>(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	3	3	27	2	52	3	7,469	3	13.5	11.8 *	.19	11.5 *	.24	10.9 **	.31	
		3	1-5 hrs	24	18	386	24	579	25	66,835	27								
		8	6-10 hrs	32	26	427	27	675	28	70,315	28								
		13	11-15 hrs	22	19	301	19	450	19	46,314	18								
		18	16-20 hrs	16	14	193	13	293	12	28,725	12								
		23	21-25 hrs	6	6	85	6	111	5	11,971	5								
		28	26-30 hrs	4	5	44	3	57	2	5,394	2								
		33	More than 30 hrs	10	10	85	6	145	6	11,430	5								
	Total			117	100	1,548	100	2,362	100	248,453	100								
g. Providing care for dependents (children, parents, etc.)	tmcarehrs <i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	88	74	1,204	77	1,644	70	160,484	63	3.1	3.4	-.04	4.5	-.15	6.3 ***	-.29	
		3	1-5 hrs	13	12	124	7	264	11	25,922	10								
		8	6-10 hrs	4	4	58	4	116	5	12,649	5								
		13	11-15 hrs	5	4	39	3	73	3	8,394	4								
		18	16-20 hrs	0	0	32	2	54	3	6,682	3								
		23	21-25 hrs	0	0	16	1	25	1	3,798	2								
		28	26-30 hrs	1	1	6	1	16	1	2,628	1								
		33	More than 30 hrs	6	5	73	5	164	7	27,583	12								
	Total			117	100	1,552	100	2,356	100	248,140	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	30	24	353	24	337	12	63,808	25	4.5	4.4	.02	5.5	-.16	5.0	-.08	
		3	1-5 hrs	63	53	848	53	1,288	55	116,600	47								
		8	6-10 hrs	13	12	221	15	479	22	38,492	16								
		13	11-15 hrs	7	6	62	4	119	5	14,117	6								
		18	16-20 hrs	2	1	22	2	55	2	5,942	3								
		23	21-25 hrs	1	1	13	1	29	1	2,947	1								
		28	26-30 hrs	0	0	9	1	12	0	1,428	1								
		33	More than 30 hrs	2	2	22	1	45	2	5,213	2								
	Total			118	100	1,550	100	2,364	100	248,547	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions	Aspirational group	NSSE 2019 & 2020			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
	reading	1	Very little	13	13	209	13	283	13	33,688	14	2.9	2.9	.02	2.9	.04	2.8	.09	
		2	Some	36	30	456	30	634	27	71,290	29								
		3	About half	27	23	362	23	669	28	67,846	27								
		4	Most	27	21	358	23	554	23	52,701	21								
		5	Almost all	15	13	160	11	218	8	22,642	9								
			Total	118	100	1,545	100	2,358	100	248,167	100								
	tmreadinghrs											7.9	7.2	.12	7.1	.13	7.1	.14	
			(Continuous variable created by NSSE. Calculated as a proportion of tmprehrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																
	tmreadinghrscol	1	0 hrs	1	1	5	0	9	0	951	0								
		2	More than zero, up to 5 hrs	46	40	771	50	1,110	49	118,128	49								
		3	More than 5, up to 10 hrs	41	32	391	26	703	29	71,960	29								
		4	More than 10, up to 15 hrs	12	10	173	11	250	10	25,978	10								
		5	More than 15, up to 20 hrs	9	8	96	7	123	5	14,855	6								
		6	More than 20, up to 25 hrs	6	5	82	5	125	5	10,418	4								
		7	More than 25 hrs	3	3	24	2	32	1	4,954	2								
			Total	118	100	1,542	100	2,352	100	247,244	100								
18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively	pgwrite	1	Very little	10	9	82	5	110	5	12,611	6	2.9	3.0	-.14	3.0	-.13	3.0	-.14	
		2	Some	27	21	326	21	491	22	51,912	21								
		3	Quite a bit	48	40	612	40	952	40	97,255	39								
		4	Very much	31	29	520	34	803	33	85,836	34								
			Total	116	100	1,540	100	2,356	100	247,614	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions	Aspirational group	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
b. Speaking clearly and effectively	pgspeak	1	Very little	9	9	94	6	132	6	17,302	8	3.0	3.0	.01	2.9	.03	2.9	.04
		2	Some	22	18	348	23	536	25	56,871	23							
		3	Quite a bit	48	41	590	39	937	38	92,996	37							
		4	Very much	37	32	505	32	750	31	80,431	32							
		Total		116	100	1,537	100	2,355	100	247,600	100							
c. Thinking critically and analytically	pgthink	1	Very little	7	7	35	3	44	2	5,146	2	3.2	3.3	-.13	3.3	-.17	3.3	-.19
		2	Some	17	13	193	13	269	13	29,907	13							
		3	Quite a bit	42	36	594	40	924	39	92,911	37							
		4	Very much	49	44	716	45	1,123	47	119,747	48							
		Total		115	100	1,538	100	2,360	100	247,711	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	26	24	227	15	229	10	23,830	9	2.5	2.7 *	-.23	2.9 ***	-.43	2.9 ***	-.47
		2	Some	35	27	437	28	573	24	62,452	24							
		3	Quite a bit	33	29	482	32	817	34	82,413	33							
		4	Very much	22	20	392	26	742	32	78,949	33							
		Total		116	100	1,538	100	2,361	100	247,644	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	12	12	136	10	225	10	19,653	9	3.0	2.9	.11	2.9	.11	3.0	.02
		2	Some	26	21	375	25	578	25	56,181	23							
		3	Quite a bit	30	27	535	35	829	34	85,181	34							
		4	Very much	47	41	492	30	726	31	86,654	35							
		Total		115	100	1,538	100	2,358	100	247,669	100							
f. Working effectively with others	pgothers	1	Very little	6	7	75	5	92	5	11,832	5	3.0	3.1	-.05	3.0	-.05	3.1	-.05
		2	Some	25	21	283	20	433	21	48,667	20							
		3	Quite a bit	45	37	609	40	953	40	94,869	38							
		4	Very much	40	35	567	36	878	35	92,241	37							
		Total		116	100	1,534	100	2,356	100	247,609	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	14	13	157	11	237	12	23,545	11	2.8	2.8	-.06	2.8	-.01	2.9	-.10
		2	Some	31	27	383	26	565	25	57,790	24							
		3	Quite a bit	37	30	519	33	882	36	86,060	34							
		4	Very much	34	30	481	30	674	27	80,054	31							
		Total		116	100	1,540	100	2,358	100	247,449	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

NSSE 2020 Frequencies and Statistical Comparisons

State University of New York at Fredonia

Seniors

Frequency Distributions^a

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Item wording or description	Variable name ^c	Values ^d	Response options	SUNY Fredonia		Peer Institutions		Aspirational group		NSSE 2019 & 2020		SUNY Fredonia		Peer Institutions	Aspirational group	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	15	14	154	11	182	10	21,655	10	2.8	2.8	.05	2.8	.01	2.9	-.05
		2	Some	25	22	438	28	599	27	60,891	25							
		3	Quite a bit	39	30	501	33	849	35	85,125	34							
		4	Very much	37	34	446	28	725	29	79,900	32							
		Total		116	100	1,539	100	2,355	100	247,571	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	14	14	164	11	205	9	20,527	9	2.7	2.7	-.09	2.8	-.15	2.9 *	-0.22
		2	Some	39	33	430	29	653	29	64,650	26							
		3	Quite a bit	34	29	548	35	859	35	88,725	35							
		4	Very much	29	25	400	25	641	27	73,675	30							
		Total		116	100	1,542	100	2,358	100	247,577	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	17	16	203	14	266	12	29,429	13	2.6	2.7	-.07	2.7	-.10	2.7	-.13
		2	Some	40	34	473	31	686	30	70,876	29							
		3	Quite a bit	29	25	475	31	788	33	80,679	32							
		4	Very much	30	25	387	25	614	25	66,824	27							
		Total		116	100	1,538	100	2,354	100	247,808	100							
19. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	6	6	44	3	42	2	5,952	3	3.2	3.1	.04	3.3	-.14	3.2	-.10
		2	Fair	15	12	230	16	244	11	29,271	12							
		3	Good	51	40	703	45	1,067	45	107,992	43							
		4	Excellent	44	42	569	36	1,011	42	105,473	42							
		Total		116	100	1,546	100	2,364	100	248,688	100							
20. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	16	16	88	6	76	3	11,508	5	3.0	3.1	-.13	3.3 **	-.38	3.2 **	-.31
		2	Probably no	14	12	236	15	260	11	30,845	12							
		3	Probably yes	44	33	664	43	975	42	95,533	38							
		4	Definitely yes	42	39	568	36	1,065	44	111,513	45							
		Total		116	100	1,556	100	2,376	100	249,399	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols. See the endnotes on the last page of this report.

Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Means calculated from ordered response options (e.g., Very often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests. Exceptions are the dichotomous High-Impact Practice items (11a to 11f) which are compared using a z -test.
- c. Items which make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective & Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- d. 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.
- e. Effect size for independent t -tests uses Cohen's d ; z -tests use Cohen's h . See page 2 for more details.
- f. Statistical comparison uses z -test to compare the percentage who responded "Done or in progress" or "Yes."
- g. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups).
- h. Standard error of the mean for ordered and continuous variables; standard error of the proportion for items indicating "Done or in progress" (High-Impact Practices). The 95% confidence interval is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- i. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- j. Degrees of freedom used to compute the t -tests. Values differ from N s due to weighting and whether equal variances were assumed.
- k. Statistical comparisons are two-tailed independent t -tests or z -tests. Statistical significance represents the probability that the difference between your students' mean and that of the comparison group is due to chance.
- l. Mean represents the proportion who responded "Done or in progress" or "Yes."