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# **NSSE 2017**

## **Frequencies and Statistical Comparisons**

Fredonia State University of New York

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# NSSE 2017 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](http://nsse.indiana.edu)) or contact a member of the NSSE team.

- Class level:** As reported by your institution.
- Item numbers:** Numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.
- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.
- Values and response options:** Values are used to calculate means. Response options are worded as they appear on the instrument.
- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the 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: [nsse.indiana.edu/html/weighting.cfm](http://nsse.indiana.edu/html/weighting.cfm)

- 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.

**NSSE 2017 Frequencies and Statistical Comparisons**  
NSSEville State University

Seniors ← 1

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				NSSEville State		Private Doc-Granting		Carnegie UG Program		NSSE 2016 & 2017		NSSEville State	Private Doc-Granting	Carnegie UG Program	NSSE 2016 & 2017				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1 2 3 4	Never Sometimes Often Very often	3 153 212 280	0 20 33 46	244 4,397 5,947 5,440	2 27 37 34	54 845 1,086 889	2 29 38 31	6,952 75,222 81,724 66,983	3 33 35 29	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1 2 3 4	Never Sometimes Often Very often	82 267 164 113	13 42 26 19	2,369 5,959 4,548 3,072	14 34 26 20	401 979 1,119 611	14 34 29 21	35,490 79,495 77,348 47,208	16 34 29 21	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
c. Evaluated what others have concluded from numerical information	QRevaluate	1 2 3 4	Never Sometimes Often Very often	25 56 384 150	4 9 63 24	778 1,666 9,147 4,267	5 11 57 27	134 262 1,586 851	5 10 57 29	12,543 28,134 128,802 58,873	6 13 56 26	3.1	3.1	.02	3.1	-.04	3.0	.06	
			Total	630 16,028 2,874 230,881	100 100 100 100														

- 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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	9	6	57	3	54	3	111	5	<b>2.6</b>	2.8	-0.13	2.8	-0.16	2.6	.03
		2	Sometimes	57	39	742	40	708	38	1,068	45							
		3	Often	62	39	639	35	637	37	742	33							
		4	Very often	26	16	402	22	384	21	388	17							
		Total		154	100	1,840	100	1,783	100	2,309	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	40	29	365	20	346	20	549	24	<b>2.2</b>	2.4 **	-0.24	2.4 **	-0.24	2.2	-0.09
		2	Sometimes	56	36	663	37	647	37	893	39							
		3	Often	43	26	493	26	497	28	598	26							
		4	Very often	15	9	309	17	282	15	253	11							
		Total		154	100	1,830	100	1,772	100	2,293	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	2	2	64	4	82	5	101	4	<b>3.0</b>	3.1	-0.11	3.0	.03	3.0	-0.01
		2	Often	20	14	206	12	256	15	310	14							
		3	Sometimes	103	66	1,008	54	1,011	57	1,308	57							
		4	Never	29	18	550	30	424	23	577	25							
		Total		154	100	1,828	100	1,773	100	2,296	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	50	35	423	26	561	36	799	37	<b>2.2</b>	2.1	.10	2.0 **	.28	2.0 **	.28
		2	Sometimes	47	29	823	45	776	39	889	38							
		3	Often	25	16	391	20	310	16	413	17							
		4	Very often	32	20	179	9	124	8	181	8							
		Total		154	100	1,816	100	1,771	100	2,282	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	9	7	142	8	116	8	231	10	<b>2.6</b>	2.6	-0.01	2.6	.03	2.6	.04
		2	Sometimes	64	40	649	36	670	39	825	36							
		3	Often	56	39	701	39	677	37	853	37							
		4	Very often	24	15	324	17	301	15	375	16							
		Total		153	100	1,816	100	1,764	100	2,284	100							
f. Explained course material to one or more students	CLexplain	1	Never	10	7	65	4	61	4	120	5	<b>2.6</b>	2.7 *	-0.21	2.7	-0.16	2.7	-0.13
		2	Sometimes	69	45	655	37	670	38	873	38							
		3	Often	49	33	772	42	757	43	922	40							
		4	Very often	23	15	325	17	274	15	368	16							
		Total		151	100	1,817	100	1,762	100	2,283	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	15	10	214	13	241	15	354	16	<b>2.6</b>	2.6	-0.02	2.5	.12	2.5	.07
		2	Sometimes	59	37	612	34	668	37	793	35							
		3	Often	57	37	628	34	571	33	728	32							
		4	Very often	22	15	351	19	275	14	395	17							
		Total		153	100	1,805	100	1,755	100	2,270	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	8	6	96	6	109	8	198	9	<b>2.6</b>	2.7	-0.03	2.6	.08	2.6	.06
		2	Sometimes	58	40	687	39	676	39	881	39							
		3	Often	61	37	685	38	708	39	823	36							
		4	Very often	26	17	329	17	258	14	362	16							
		Total		153	100	1,797	100	1,751	100	2,264	100							
i. Given a course presentation	present	1	Never	31	22	356	21	237	15	410	18	<b>2.2</b>	2.2	-0.03	2.4 **	-0.26	2.2	-0.06
		2	Sometimes	78	50	863	47	788	43	1,157	51							
		3	Often	29	19	430	24	523	29	523	23							
		4	Very often	14	9	149	8	201	12	175	8							
		Total		152	100	1,798	100	1,749	100	2,265	100							
<b>2. During the current school year, about how often have you done the following?</b>																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	20	14	119	7	129	8	195	9	<b>2.3</b>	2.6 ***	-0.31	2.6 ***	-0.31	2.5 **	-0.24
		2	Sometimes	71	46	738	42	697	40	948	43							
		3	Often	50	33	700	39	671	39	825	37							
		4	Very often	11	7	214	12	236	13	264	12							
		Total		152	100	1,771	100	1,733	100	2,232	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	18	14	160	10	140	9	250	12	<b>2.4</b>	2.5	-0.14	2.6 *	-0.20	2.5	-0.07
		2	Sometimes	66	42	697	40	669	38	924	42							
		3	Often	51	33	651	36	648	37	750	33							
		4	Very often	16	12	261	14	270	16	314	14							
		Total		151	100	1,769	100	1,727	100	2,238	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	25	20	182	11	165	11	282	14	<b>2.4</b>	2.5	-0.17	2.6 **	-0.27	2.5	-0.11
		2	Sometimes	62	40	690	40	632	36	891	40							
		3	Often	36	23	617	34	626	36	740	33							
		4	Very often	25	16	263	14	296	18	309	13							
		Total		148	100	1,752	100	1,719	100	2,222	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	11	8	79	5	79	5	109	5	<b>2.6</b>	2.7	-.12	2.8 *	-.17	2.7	-.09
		2	Sometimes	51	35	608	35	570	30	782	35							
		3	Often	66	43	759	43	784	48	987	45							
		4	Very often	20	14	299	17	269	17	332	15							
		Total		148	100	1,745	100	1,702	100	2,210	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	10	9	55	4	43	3	75	4	<b>2.8</b>	2.8	-.02	2.9	-.10	2.8	.02
		2	Sometimes	43	27	519	31	507	28	676	31							
		3	Often	56	38	785	45	788	48	1,017	46							
		4	Very often	38	26	369	21	352	22	420	19							
		Total		147	100	1,728	100	1,690	100	2,188	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	8	7	50	3	46	3	75	4	<b>2.8</b>	2.8	-.05	2.8	-.04	2.8	.01
		2	Sometimes	42	28	524	31	504	30	710	33							
		3	Often	65	43	791	46	793	47	966	44							
		4	Very often	31	21	356	20	333	20	421	19							
		Total		146	100	1,721	100	1,676	100	2,172	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	3	3	23	2	16	1	41	2	<b>2.8</b>	3.0 **	-.30	3.0 **	-.28	2.9 *	-.18
		2	Sometimes	49	33	331	20	353	21	525	25							
		3	Often	63	44	933	54	885	54	1,092	50							
		4	Very often	31	20	426	25	406	24	502	23							
		Total		146	100	1,713	100	1,660	100	2,160	100							
<b>3. During the current school year, about how often have you done the following?</b>																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	31	23	361	22	370	24	561	26	<b>2.3</b>	2.2	.07	2.2	.13	2.2	.13
		2	Sometimes	51	34	755	44	769	45	898	41							
		3	Often	47	32	394	23	344	21	484	23							
		4	Very often	17	11	203	12	173	10	221	10							
		Total		146	100	1,713	100	1,656	100	2,164	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	59	42	780	46	877	53	1,063	48	<b>1.9</b>	1.8	.03	1.7	.14	1.8	.09
		2	Sometimes	56	39	569	33	473	28	668	31							
		3	Often	17	12	239	14	201	13	315	15							
		4	Very often	12	7	122	7	102	6	111	5							
		Total		144	100	1,710	100	1,653	100	2,157	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	33	25	496	28	545	34	694	31	<b>2.2</b>	2.1	.15	2.0 **	.25	2.0 *	.23
		2	Sometimes	61	41	736	44	712	42	912	44							
		3	Often	33	24	348	21	282	17	407	19							
		4	Very often	15	10	119	7	110	7	127	6							
		Total		142	100	1,699	100	1,649	100	2,140	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	19	14	408	24	489	29	564	26	<b>2.4</b>	2.1 ***	.39	2.0 ***	.47	2.1 ***	.43
		2	Sometimes	54	41	806	48	768	45	983	46							
		3	Often	48	30	372	22	280	19	462	22							
		4	Very often	21	14	113	7	113	7	132	6							
		Total		142	100	1,699	100	1,650	100	2,141	100							
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	5	4	36	2	47	3	67	3	<b>2.9</b>	3.0	-.13	2.9	.00	2.9	-.05
		2	Some	34	23	370	23	408	25	510	24							
		3	Quite a bit	71	50	798	47	817	49	989	47							
		4	Very much	31	23	493	28	374	23	567	25							
		Total		141	100	1,697	100	1,646	100	2,133	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	15	12	60	4	46	3	83	4	<b>2.6</b>	2.9 ***	-.33	2.9 **	-.30	2.9 ***	-.34
		2	Some	41	29	430	26	398	26	533	25							
		3	Quite a bit	62	43	799	46	833	50	967	45							
		4	Very much	23	17	403	24	367	20	535	25							
		Total		141	100	1,692	100	1,644	100	2,118	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	8	7	46	3	60	4	77	4	<b>2.7</b>	2.9 **	-.25	2.9 *	-.19	2.9 **	-.24
		2	Some	43	31	465	27	434	27	568	27							
		3	Quite a bit	68	48	793	47	769	47	964	46							
		4	Very much	20	15	379	23	372	21	503	24							
		Total		139	100	1,683	100	1,635	100	2,112	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	3	3	63	4	52	3	102	5	<b>2.8</b>	2.8	-.09	2.9	-.17	2.8	-.03
		2	Some	49	34	483	29	421	25	639	31							
		3	Quite a bit	66	47	789	46	809	50	946	45							
		4	Very much	21	16	348	21	353	21	420	19							
		Total		139	100	1,683	100	1,635	100	2,107	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	5	4	59	4	58	4	90	4	<b>2.7</b>	2.8	-0.15	2.8 *	-0.19	2.8	-0.13	
		2	Some	52	39	500	31	446	27	652	31								
		3	Quite a bit	58	40	796	47	790	49	945	44								
		4	Very much	24	17	325	19	334	20	420	20								
		Total		139	100	1,680	100	1,628	100	2,107	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	1	1	21	2	27	2	46	2	<b>2.9</b>	3.1 *	-0.21	3.1 *	-0.19	3.0	-0.11	
		2	Some	38	28	326	20	291	18	482	23								
		3	Quite a bit	66	49	819	48	829	50	969	46								
		4	Very much	32	22	509	31	476	30	599	29								
		Total		137	100	1,675	100	1,623	100	2,096	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	8	6	45	3	50	4	70	3	<b>2.8</b>	3.0 *	-0.23	3.0 *	-0.23	2.9	-0.15	
		2	Some	36	26	347	21	288	18	504	24								
		3	Quite a bit	67	48	848	50	843	51	996	47								
		4	Very much	26	20	434	26	443	26	526	25								
		Total		137	100	1,674	100	1,624	100	2,096	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	8	6	31	2	56	4	72	4	<b>2.7</b>	3.0 ***	-0.35	3.0 ***	-0.32	3.0 **	-0.28	
		2	Some	46	34	392	24	336	21	503	24								
		3	Quite a bit	59	42	766	46	769	48	952	46								
		4	Very much	24	19	484	29	460	28	562	27								
		Total		137	100	1,673	100	1,621	100	2,089	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	15	12	126	7	127	7	209	10	<b>2.7</b>	2.8	-0.10	2.8	-0.11	2.6	.06	
		2	Some	44	32	509	31	518	31	733	35								
		3	Quite a bit	44	31	661	39	606	38	772	37								
		4	Very much	34	25	375	23	370	24	377	18								
		Total		137	100	1,671	100	1,621	100	2,091	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	15	12	138	8	138	9	215	10	<b>2.5</b>	2.7	-0.17	2.7	-0.16	2.6	-0.08	
		2	Some	51	37	585	35	563	33	755	36								
		3	Quite a bit	49	35	651	40	640	41	789	38								
		4	Very much	22	15	296	18	275	18	329	16								
		Total		137	100	1,670	100	1,616	100	2,088	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
<b>6. During the current school year, about how often have you done the following?</b>																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	22	14	191	11	192	12	223	10	2.3	2.6 ***	-0.30	2.5 **	-0.24	2.6 ***	-0.32
		2	Sometimes	69	52	654	38	639	38	789	37							
		3	Often	33	24	590	36	578	37	787	39							
		4	Very often	13	10	232	15	199	13	286	14							
		Total		137	100	1,667	100	1,608	100	2,085	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	31	23	386	22	331	21	432	20	2.2	2.2	-0.06	2.3	-0.07	2.3	-0.12
		2	Sometimes	60	42	676	40	681	41	838	40							
		3	Often	37	28	468	29	451	29	629	31							
		4	Very often	9	7	140	9	143	9	187	9							
		Total		137	100	1,670	100	1,606	100	2,086	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	32	22	336	19	321	20	391	18	2.1	2.3 **	-0.23	2.2 *	-0.20	2.3 ***	-0.27
		2	Sometimes	69	54	730	43	715	43	890	43							
		3	Often	28	20	471	29	463	30	629	31							
		4	Very often	6	4	131	8	118	7	173	9							
		Total		135	100	1,668	100	1,617	100	2,083	100							
<b>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.)</b>																		
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	6	6	79	5	55	3	137	7	7.0	6.6	.06	6.5	.09	5.9	.20
		1.5	1-2	29	23	307	20	305	21	408	22							
		4	3-5	31	24	499	33	474	31	663	35							
		8	6-10	30	25	295	21	392	28	397	21							
		13	11-15	12	11	161	11	134	9	159	8							
		18	16-20	4	4	57	4	52	4	53	3							
		23	More than 20	6	6	75	5	55	4	71	4							
		Total		118	100	1,473	100	1,467	100	1,888	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	44	38	469	32	461	32	663	35	2.0	2.0	-0.02	2.0	-0.03	2.3	-0.11
		1.5	1-2	42	35	665	45	640	42	742	39							
		4	3-5	23	20	231	15	261	18	278	15							
		8	6-10	6	6	74	5	66	5	138	8							
		13	11-15	1	1	19	1	18	2	46	3							
		18	16-20	0	0	4	0	3	0	4	0							
		23	More than 20	0	0	4	0	0	0	13	1							
Total		116	100	1,466	100	1,449	100	1,884	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
c. 11 pages or more	wrlongnum	0	None	94	80	1,057	72	1,156	76	1,428	75	<b>.9</b>	.8	.07	.6	.15	1.1	-.05	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	14	11	341	24	233	19	284	15								
		4	3-5	4	4	33	2	30	2	67	4								
		8	6-10	3	3	19	1	17	2	54	3								
		13	11-15	2	1	3	0	9	1	25	2								
		18	16-20	1	1	3	0	2	0	10	1								
		23	More than 20	0	0	7	1	1	0	10	1								
		Total			118	100	1,463	100	1,448	100	1,878	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.)									<b>51.2</b>	47.2	.07	45.0	.12	52.3	-.02	
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	9	8	65	5	67	5	79	4	<b>2.9</b>	2.9	-.01	2.9	-.01	3.0	-.07	
		2	Sometimes	30	27	419	29	472	28	486	26								
		3	Often	34	28	503	33	478	33	641	35								
		4	Very often	45	37	484	33	445	33	666	35								
			Total	118	100	1,471	100	1,462	100	1,872	100								
b. People from an economic background other than your own	DDeconomic	1	Never	11	10	55	4	73	6	76	4	<b>2.8</b>	3.0	-.18	2.9	-.12	3.0	-.16	
		2	Sometimes	29	27	365	25	417	26	488	27								
		3	Often	41	33	584	39	567	39	702	38								
		4	Very often	37	30	470	32	399	30	606	32								
			Total	118	100	1,474	100	1,456	100	1,872	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	11	9	85	7	91	7	117	6	<b>2.8</b>	2.9	-.07	2.9	-.06	2.9	-.06	
		2	Sometimes	29	27	396	27	411	27	510	28								
		3	Often	41	32	524	35	516	34	648	35								
		4	Very often	37	31	467	31	438	31	596	31								
			Total	118	100	1,472	100	1,456	100	1,871	100								
d. People with political views other than your own	DDpolitical	1	Never	11	9	56	4	62	6	108	6	<b>2.9</b>	3.0	-.20	3.0	-.14	2.9	-.04	
		2	Sometimes	35	30	350	25	362	25	561	30								
		3	Often	32	26	520	35	529	35	618	33								
		4	Very often	40	34	543	37	501	35	586	31								
			Total	118	100	1,469	100	1,454	100	1,873	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	4	3	21	2	26	2	37	2	2.9	3.0	-.18	3.0	-.09	2.9	-.04	
		2	Sometimes	31	27	283	20	339	24	473	26								
		3	Often	54	47	755	52	720	50	912	49								
		4	Very often	26	23	399	26	365	24	430	22								
		Total		115	100	1,458	100	1,450	100	1,852	100								
b. Reviewed your notes after class	LSnotes	1	Never	4	5	60	5	87	6	84	5	2.9	2.9	-.08	2.8	.04	2.8	.01	
		2	Sometimes	40	35	396	28	463	31	571	31								
		3	Often	37	30	545	37	533	37	709	38								
		4	Very often	35	30	457	30	367	25	486	25								
		Total		116	100	1,458	100	1,450	100	1,850	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	3	3	77	6	128	9	101	5	2.8	2.8	-.05	2.7	.15	2.8	.03	
		2	Sometimes	40	36	430	30	485	34	608	33								
		3	Often	50	42	600	41	579	40	750	41								
		4	Very often	22	20	347	24	256	17	386	20								
		Total		115	100	1,454	100	1,448	100	1,845	100								
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																			
challenge		1	Not at all	0	0	8	1	8	1	20	1	5.2	5.4	-.17	5.4	-.11	5.3	-.04	
		2		0	0	13	1	14	1	22	1								
		3		7	7	44	3	46	3	90	5								
		4		19	16	152	11	170	13	238	13								
		5		45	40	531	37	525	37	644	35								
		6		23	20	417	29	401	26	462	25								
		7	Very much	22	17	286	19	282	19	366	19								
		Total		116	100	1,451	100	1,446	100	1,842	100								
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	15	13	136	10	199	15	197	11	8%	6%	.09	8%	-.01	6%	.08	
		(Means indicate the percentage who responded "Done or in progress.")	Do not plan to do	7	8	42	3	62	5	93	6								
		Plan to do	82	72	1,197	81	1,072	72	1,445	77									
		Done or in progress	10	8	71	6	111	8	98	6									
		Total	114	100	1,446	100	1,444	100	1,833	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
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	30	29	402	29	450	31	486	27	<b>8%</b>	11%	-.08	10%	-.05	9%	-.02	
			Do not plan to do	27	26	281	21	350	27	419	24								
			Plan to do	47	37	611	40	496	32	761	41								
			Done or in progress	9	8	145	11	146	10	161	9								
			Total	113	100	1,439	100	1,442	100	1,827	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	39	35	506	36	572	39	575	31	<b>6%</b>	12%	-.21	7%	-.03	10%	-.14	
			Do not plan to do	27	26	355	26	423	29	464	26								
			Plan to do	38	33	378	26	342	25	591	32								
			Done or in progress	8	6	194	12	95	7	191	10								
			Total	112	100	1,433	100	1,432	100	1,821	100								
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	38	33	415	30	471	34	467	26	<b>1%</b>	3%	-.16	2%	-.08	3%	-.16	
			Do not plan to do	23	23	313	23	348	26	428	25								
			Plan to do	51	43	674	45	592	39	882	46								
			Done or in progress	1	1	34	3	28	2	46	3								
			Total	113	100	1,436	100	1,439	100	1,823	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	39	34	548	39	594	42	592	32	<b>6%</b>	5%	.03	4%	.10	4%	.09	
			Do not plan to do	35	34	282	19	366	26	367	20								
			Plan to do	32	26	536	38	418	29	796	44								
			Done or in progress	7	6	68	5	54	4	68	4								
			Total	113	100	1,434	100	1,432	100	1,823	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	28	25	448	32	567	40	480	27	<b>2%</b>	2%	.01	1%	.11	3%	-.05	
			Do not plan to do	13	14	107	8	154	12	160	9								
			Plan to do	69	59	859	58	700	47	1,133	61								
			Done or in progress	3	2	22	2	11	1	50	3								
			Total	113	100	1,436	100	1,432	100	1,823	100								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	62	57	759	53	653	48	953	52	<b>1.5</b>	1.6	-.11	1.6	-.18	1.6	-.14	
			2	Some	44	38	549	38	675	45	704								39
			3	Most	6	4	111	8	89	6	139								8
			4	All	1	1	12	1	16	1	19								1
			Total	113	100	1,431	100	1,433	100	1,815	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>								
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		<i>Your first-year students compared with</i>								
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																				
a. Students	QIstudent	1	Poor	2	2	19	1	11	1	31	2	<b>5.3</b>	5.4	-.06	5.4	-.03	5.2	.08		
				3	3	25	2	20	1	48	2									
				6	4	65	5	74	6	117	7									
				19	15	175	12	178	13	257	14									
				30	26	403	28	413	29	542	30									
				26	26	386	27	405	27	428	23									
				26	24	351	24	319	22	377	21									
				0	0	8	1	8	1	18	1									
Total				112	100	1,432	100	1,428	100	1,818	100									
b. Academic advisors	QIadvisor	1	Poor	5	5	69	5	54	4	94	5	<b>5.0</b>	4.9	.07	5.0	.01	4.8	.15		
				3	3	75	5	87	5	124	7									
				10	10	140	9	129	8	160	8									
				14	11	241	17	205	14	345	19									
				34	27	277	19	329	24	394	22									
				22	20	287	20	265	18	319	18									
				22	22	313	21	310	22	336	19									
				1	1	28	2	52	4	43	3									
Total				111	100	1,430	100	1,431	100	1,815	100									
c. Faculty	QIfaculty	1	Poor	2	3	18	1	16	2	37	2	<b>5.2</b>	5.2	-.04	5.2	-.04	5.0	.11		
				4	5	32	3	39	3	62	3									
				4	3	91	6	79	5	160	9									
				21	16	249	17	204	14	323	17									
				30	26	373	25	438	30	498	27									
				33	30	396	28	377	26	413	23									
				18	18	265	19	263	19	290	16									
				0	0	5	0	8	1	23	1									
Total				112	100	1,429	100	1,424	100	1,806	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	2	3	35	2	41	3	65	4	<b>5.1</b>	5.1	.02	5.1	.05	4.9	.15	
		2		2	1	54	4	51	4	77	4								
		3		5	5	108	8	98	7	159	9								
		4		18	15	203	14	192	13	280	15								
		5		39	36	337	24	341	24	437	24								
		6		22	18	345	24	315	21	351	20								
		7	Excellent	20	18	265	18	273	18	278	15								
		—	Not applicable	4	3	83	7	118	10	167	9								
	Total	112	100	1,430	100	1,429	100	1,814	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	2	2	46	3	57	5	73	4	<b>5.2</b>	5.0	.11	5.0	.10	4.8 *	.21	
		2		4	4	65	4	64	4	92	5								
		3		4	3	106	7	91	6	157	8								
		4		17	15	228	15	198	15	329	18								
		5		38	33	322	22	341	25	403	23								
		6		24	20	322	23	325	22	338	19								
		7	Excellent	18	18	231	16	237	17	271	15								
		—	Not applicable	5	5	112	8	110	7	151	8								
	Total	112	100	1,432	100	1,423	100	1,814	100										
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	1	1	19	2	19	2	28	2	<b>3.0</b>	3.1	-.16	3.0	.02	3.1	-.06	
		2	Some	22	23	211	16	248	20	327	20								
		3	Quite a bit	52	49	661	49	704	51	807	47								
		4	Very much	31	28	465	33	402	27	564	31								
			Total	106	100	1,356	100	1,373	100	1,726	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	8	9	35	3	39	3	73	4	<b>2.8</b>	3.1 **	-0.33	3.0 *	-0.27	2.9	-0.13	
		2	Some	27	25	246	18	271	22	421	26								
		3	Quite a bit	45	42	623	46	627	45	762	44								
		4	Very much	26	24	441	32	424	30	454	26								
			Total	106	100	1,345	100	1,361	100	1,710	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	10	9	59	4	57	5	110	7	<b>2.9</b>	3.1 *	-0.23	3.2 **	-0.27	2.9	.02	
		2	Some	19	20	217	16	194	15	413	25								
		3	Quite a bit	43	40	578	43	522	39	689	40								
		4	Very much	34	30	495	36	587	41	503	28								
			Total	106	100	1,349	100	1,360	100	1,715	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	13	13	131	10	138	10	163	10	<b>2.8</b>	2.8	.00	2.7	.02	2.7	.00
		2	Some	27	26	393	29	404	30	503	30							
		3	Quite a bit	34	32	487	36	488	36	622	37							
		4	Very much	30	29	335	25	325	24	422	24							
		Total		104	100	1,346	100	1,355	100	1,710	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	7	8	56	5	69	6	98	6	<b>2.9</b>	3.1	-.17	2.9	.01	2.9	.00
		2	Some	22	21	242	18	318	25	409	25							
		3	Quite a bit	42	42	598	44	576	42	698	40							
		4	Very much	32	28	448	33	394	27	507	29							
		Total		103	100	1,344	100	1,357	100	1,712	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	7	8	55	5	72	6	99	6	<b>2.9</b>	3.0	-.14	2.9	.00	2.8	.04
		2	Some	23	27	285	21	320	26	476	28							
		3	Quite a bit	37	34	575	43	550	40	681	40							
		4	Very much	34	31	428	31	414	27	451	26							
		Total		101	100	1,343	100	1,356	100	1,707	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	28	29	252	18	265	20	344	20	<b>2.2</b>	2.4 *	-0.21	2.3	-.12	2.4	-.15
		2	Some	35	36	491	37	540	39	652	39							
		3	Quite a bit	23	21	415	31	393	30	485	29							
		4	Very much	15	14	187	14	153	11	227	13							
		Total		101	100	1,345	100	1,351	100	1,708	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	9	8	69	5	146	13	127	8	<b>2.8</b>	2.9	-.17	2.7	.12	2.8	-.02
		2	Some	29	33	311	24	404	29	483	29							
		3	Quite a bit	35	33	594	44	491	37	684	40							
		4	Very much	28	26	367	26	305	21	415	23							
		Total		101	100	1,341	100	1,346	100	1,709	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	10	11	113	9	177	15	189	11	<b>2.6</b>	2.7	-.06	2.5	.13	2.6	.07
		2	Some	35	35	424	32	464	35	595	35							
		3	Quite a bit	35	34	523	39	473	34	621	37							
		4	Very much	22	21	282	20	238	17	307	17							
		Total		102	100	1,342	100	1,352	100	1,712	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	1	1	2	0	0	0	6	0	<b>14.1</b>	14.3	-.02	13.4	.10	14.4	-.03
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	16	17	167	12	190	18	227	14							
	8	6-10 hrs	20	19	325	25	308	24	379	23								
	13	11-15 hrs	21	22	295	22	302	22	365	22								
	18	16-20 hrs	17	16	264	19	278	19	335	19								
	23	21-25 hrs	17	16	159	12	146	10	209	12								
	28	26-30 hrs	4	3	62	4	76	4	91	5								
	33	More than 30 hrs	5	5	68	5	52	4	92	5								
	Total			101	100	1,342	100	1,352	100	1,704	100							
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	25	25	258	20	430	37	452	27	<b>6.0</b>	6.7	-.11	4.8	.18	6.4	-.05
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	38	38	512	38	517	33	591	34							
	8	6-10 hrs	16	17	267	20	209	14	289	17								
	13	11-15 hrs	13	12	150	12	110	8	162	10								
	18	16-20 hrs	5	5	78	6	44	4	112	7								
	23	21-25 hrs	1	1	33	3	23	2	48	3								
	28	26-30 hrs	0	0	17	1	7	0	23	1								
	33	More than 30 hrs	2	2	15	1	10	1	19	1								
	Total			100	100	1,330	100	1,350	100	1,696	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	81	81	1,013	75	1,126	84	1,265	75	<b>2.1</b>	2.4	-.05	1.7	.09	2.8	-.13
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	5	94	7	59	4	94	5							
	8	6-10 hrs	5	5	116	9	84	5	143	8								
	13	11-15 hrs	4	4	69	5	51	3	101	6								
	18	16-20 hrs	2	2	27	2	24	2	57	4								
	23	21-25 hrs	3	3	8	1	6	1	26	2								
	28	26-30 hrs	0	0	1	0	5	1	7	0								
	33	More than 30 hrs	0	0	4	0	2	0	5	0								
	Total			100	100	1,332	100	1,357	100	1,698	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	76	76	1,071	80	912	61	1,235	72	<b>3.3</b>	2.6	.12	6.7 ***	-0.33	4.4	-0.13	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	5	57	4	69	5	51	3								
	8	6-10 hrs	5	4	68	5	80	6	83	5									
	13	11-15 hrs	5	8	44	3	80	7	107	6									
	18	16-20 hrs	1	1	50	4	80	7	112	7									
	23	21-25 hrs	6	6	23	2	48	5	63	4									
	28	26-30 hrs	0	0	13	1	33	3	21	1									
	33	More than 30 hrs	1	1	8	1	50	6	31	2									
Total				99	100	1,334	100	1,352	100	1,703	100								
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)										<b>5.2</b>	4.9	.04	8.4 **	-0.28	7.3 *	-0.19		
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	63	66	794	60	791	59	1,065	63	<b>2.3</b>	2.3	.01	2.3	.01	2.6	-0.05	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	24	23	412	29	433	30	422	24								
	8	6-10 hrs	5	4	66	5	67	6	84	5									
	13	11-15 hrs	2	3	28	2	28	3	47	3									
	18	16-20 hrs	1	1	19	2	19	2	48	3									
	23	21-25 hrs	2	2	4	0	4	0	20	1									
	28	26-30 hrs	1	1	2	0	2	0	7	0									
	33	More than 30 hrs	0	0	9	1	4	0	8	0									
Total				98	100	1,334	100	1,348	100	1,701	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	8	1	21	2	27	2	<b>15.0</b>	14.0	.12	13.1	.21	13.3	.20	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	19	17	222	16	255	19	328	18								
	8	6-10 hrs	24	24	373	26	345	25	443	25									
	13	11-15 hrs	22	23	285	21	275	20	344	21									
	18	16-20 hrs	9	9	199	15	217	15	258	16									
	23	21-25 hrs	5	5	106	9	109	8	133	8									
	28	26-30 hrs	8	9	43	3	38	3	44	3									
	33	More than 30 hrs	11	13	100	9	94	8	124	8									
Total				98	100	1,336	100	1,354	100	1,701	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions	Aspirational Group	Overlap Institutions		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	84	83	1,150	86	1,138	80	1,322	78	<b>1.9</b>	1.3	.13	2.0	-.01	2.2	-.06
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5	6	93	7	105	10	153	9							
	8	6-10 hrs	3	3	40	3	39	4	90	6								
	13	11-15 hrs	4	5	19	2	28	3	47	3								
	18	16-20 hrs	0	0	14	1	14	1	43	3								
	23	21-25 hrs	1	2	6	0	2	0	22	1								
	28	26-30 hrs	1	1	4	0	2	0	4	0								
	33	More than 30 hrs	1	1	5	1	23	2	9	1								
	Total			99	100	1,331	100	1,351	100	1,690	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	64	64	892	66	633	39	791	46	<b>3.1</b>	2.0	.25	3.9	-.14	3.9	-.12
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	15	14	307	23	460	37	529	31							
	8	6-10 hrs	11	11	76	6	162	15	202	12								
	13	11-15 hrs	3	4	35	3	55	5	80	5								
	18	16-20 hrs	3	3	11	1	15	1	46	3								
	23	21-25 hrs	2	2	5	1	12	1	22	2								
	28	26-30 hrs	1	1	2	0	8	1	5	0								
	33	More than 30 hrs	0	0	4	0	9	1	16	1								
	Total			99	100	1,332	100	1,354	100	1,691	100							
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																		
reading	1	Very little	12	13	118	10	148	12	213	13	<b>2.6</b>	2.8 *	-.21	2.7	-.11	2.7	-.11	
	2	Some	40	41	428	33	453	34	565	35								
	3	About half	28	27	412	31	414	31	475	28								
	4	Most	14	14	266	19	264	18	309	18								
	5	Almost all	5	6	107	7	74	5	132	7								
		Total			99	100	1,331	100	1,353	100								1,694
tmreadinghrs	(Continuous variable created by NSSE. Calculated as a proportion of tmrephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)											<b>5.7</b>	6.8	-.20	6.1	-.08	6.4	-.14

\*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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
	tmreadinghrscol  (Collapsed version of tmreadinghrs created by NSSE.)	1	0 hrs	1	2	2	0	0	0	6	0									
		2	More than zero, up to 5 hrs	53	55	657	51	682	55	864	52									
		3	More than 5, up to 10 hrs	28	28	386	29	413	29	474	28									
		4	More than 10, up to 15 hrs	11	10	140	10	128	8	173	10									
		5	More than 15, up to 20 hrs	3	4	82	6	71	5	101	5									
		6	More than 20, up to 25 hrs	3	2	41	3	41	2	49	2									
		7	More than 25 hrs	0	0	22	2	12	1	21	1									
		Total		99	100	1,330	100	1,347	100	1,688	100									

#### 17. 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	13	15	84	7	86	7	147	9								
		2	Some	32	32	351	27	420	31	543	33								
		3	Quite a bit	36	35	604	44	584	43	720	43								
		4	Very much	19	18	288	21	254	19	270	16								
		Total		100	100	1,327	100	1,344	100	1,680	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	19	22	172	14	119	10	218	13								
		2	Some	32	31	449	33	420	31	600	36								
		3	Quite a bit	29	28	486	35	569	40	619	37								
		4	Very much	19	19	222	17	239	18	245	14								
		Total		99	100	1,329	100	1,347	100	1,682	100								
c. Thinking critically and analytically	pgthink	1	Very little	9	10	37	3	37	4	64	4								
		2	Some	23	23	252	19	280	22	347	21								
		3	Quite a bit	42	41	648	48	633	45	795	47								
		4	Very much	26	26	387	29	395	29	474	28								
		Total		100	100	1,324	100	1,345	100	1,680	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	22	22	187	14	151	12	193	11								
		2	Some	39	38	399	29	459	34	498	29								
		3	Quite a bit	23	22	504	38	519	38	634	38								
		4	Very much	16	18	236	18	215	16	353	22								
		Total		100	100	1,326	100	1,344	100	1,678	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions	Aspirational Group	Overlap Institutions		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	19	21	167	13	222	17	250	15	<b>2.3</b>	2.6 *	-0.25	2.4	-0.10	2.5	-0.15
		2	Some	43	41	458	34	500	37	606	36							
		3	Quite a bit	22	21	465	35	423	31	574	35							
		4	Very much	16	17	236	18	193	15	249	14							
		Total		100	100	1,326	100	1,338	100	1,679	100							
f. Working effectively with others	pgothers	1	Very little	8	11	89	7	79	7	124	7	<b>2.7</b>	2.8	-0.11	2.8	-0.07	2.7	-0.03
		2	Some	30	31	350	27	395	30	520	31							
		3	Quite a bit	37	34	589	44	589	42	701	42							
		4	Very much	25	24	297	22	279	21	332	19							
		Total		100	100	1,325	100	1,342	100	1,677	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	17	19	154	13	160	13	194	12	<b>2.5</b>	2.6	-0.13	2.6	-0.07	2.6	-0.08
		2	Some	33	33	393	29	446	33	549	33							
		3	Quite a bit	24	23	511	38	502	36	652	39							
		4	Very much	25	24	262	20	237	18	281	16							
		Total		99	100	1,320	100	1,345	100	1,676	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	9	10	139	11	112	9	163	10	<b>2.8</b>	2.7	.04	2.8	.00	2.8	.02
		2	Some	33	35	353	28	377	28	462	29							
		3	Quite a bit	24	23	509	37	537	39	652	39							
		4	Very much	32	32	323	24	317	24	398	23							
		Total		98	100	1,324	100	1,343	100	1,675	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	17	18	167	13	156	12	203	12	<b>2.5</b>	2.6	-0.09	2.5	-0.06	2.6	-0.11
		2	Some	38	36	445	34	506	37	582	35							
		3	Quite a bit	23	25	481	36	479	36	601	37							
		4	Very much	20	21	230	17	203	15	291	17							
		Total		98	100	1,323	100	1,344	100	1,677	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	12	14	132	11	139	12	193	11	<b>2.6</b>	2.7	-0.07	2.6	-0.02	2.6	.02
		2	Some	34	33	422	32	429	31	567	34							
		3	Quite a bit	32	30	499	37	532	39	623	37							
		4	Very much	21	23	271	21	240	18	289	17							
		Total		99	100	1,324	100	1,340	100	1,672	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your first-year students compared with							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	2	3	18	2	20	2	47	3	<b>3.1</b>	3.2	-.18	3.2	-.20	3.0	.07	
		2	Fair	17	16	157	13	148	11	318	19								
		3	Good	54	53	676	51	688	52	865	52								
		4	Excellent	27	28	466	35	492	35	439	26								
			Total	100	100	1,317	100	1,348	100	1,669	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	7	7	50	4	46	4	85	5	<b>3.1</b>	3.1	-.03	3.2	-.10	3.0	.10	
		2	Probably no	11	11	173	13	159	12	271	16								
		3	Probably yes	44	45	591	45	569	43	796	48								
		4	Definitely yes	38	37	508	37	569	41	521	31								
			Total	100	100	1,322	100	1,343	100	1,673	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>1. During the current school year, about how often have you done the following?</b>																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	7	2	39	2	74	3	107	4	<b>3.2</b>	3.1	.11	3.1	.09	2.9 ***	.33	
		2	Sometimes	72	20	526	25	707	23	925	32								
		3	Often	118	33	676	33	919	32	936	32								
		4	Very often	166	45	844	40	1,214	42	958	32								
		Total		363	100	2,085	100	2,914	100	2,926	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	128	36	530	26	696	24	836	29	<b>2.1</b>	2.2 ***	-0.19	2.3 ***	-0.28	2.2 *	-0.12	
		2	Sometimes	124	34	772	38	1,008	34	1,060	36								
		3	Often	67	18	483	23	713	25	654	22								
		4	Very often	46	12	282	13	472	16	360	12								
		Total		365	100	2,067	100	2,889	100	2,910	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	28	8	103	5	185	6	178	6	<b>2.9</b>	3.0 *	-0.12	2.9	-0.04	2.9	-0.03	
		2	Often	48	14	308	15	432	15	481	17								
		3	Sometimes	208	56	1,148	55	1,671	57	1,569	54								
		4	Never	79	22	511	25	596	21	677	23								
		Total		363	100	2,070	100	2,884	100	2,905	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	97	28	802	40	1,186	42	1,170	41	<b>2.3</b>	1.9 ***	.50	1.9 ***	.52	1.8 ***	.56	
		2	Sometimes	129	35	836	40	1,094	37	1,168	40								
		3	Often	48	13	259	12	379	13	352	12								
		4	Very often	85	24	167	8	222	8	203	7								
		Total		359	100	2,064	100	2,881	100	2,893	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	23	7	197	10	290	11	303	11	<b>2.6</b>	2.5	.08	2.5 **	.17	2.5	.10	
		2	Sometimes	147	42	814	40	1,258	45	1,223	42								
		3	Often	123	33	724	34	892	30	903	31								
		4	Very often	64	18	331	16	433	14	466	16								
		Total		357	100	2,066	100	2,873	100	2,895	100								
f. Explained course material to one or more students	CLexplain	1	Never	4	1	64	3	111	5	102	4	<b>2.9</b>	2.9	.03	2.8 **	.13	2.8	.09	
		2	Sometimes	108	31	642	31	988	34	973	34								
		3	Often	157	44	839	40	1,128	40	1,140	39								
		4	Very often	85	23	523	25	638	22	680	23								
		Total		354	100	2,068	100	2,865	100	2,895	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	41	12	246	12	438	16	402	14	<b>2.7</b>	2.6	.07	2.5 ***	.20	2.6	.11
		2	Sometimes	104	30	737	36	1,075	38	1,039	35							
		3	Often	132	35	646	31	833	29	874	31							
		4	Very often	78	22	432	20	516	17	574	20							
		Total		355	100	2,061	100	2,862	100	2,889	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	14	4	67	4	118	5	164	6	<b>2.9</b>	2.9	.00	2.9	.05	2.8	.08
		2	Sometimes	108	31	620	30	821	30	908	31							
		3	Often	128	36	748	37	1,101	38	1,020	36							
		4	Very often	106	30	609	29	815	27	781	27							
		Total		356	100	2,044	100	2,855	100	2,873	100							
i. Given a course presentation	present	1	Never	15	4	113	6	186	7	277	11	<b>2.9</b>	2.9	.08	2.9	.08	2.7 ***	.28
		2	Sometimes	97	28	600	30	754	27	1,001	35							
		3	Often	132	37	706	35	1,013	35	867	29							
		4	Very often	111	31	627	29	897	30	731	25							
		Total		355	100	2,046	100	2,850	100	2,876	100							
<b>2. During the current school year, about how often have you done the following?</b>																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	9	3	53	3	79	3	104	4	<b>3.0</b>	3.0	-.02	3.0	-.05	2.9	.06
		2	Sometimes	91	27	520	26	647	23	780	28							
		3	Often	148	42	829	41	1,220	43	1,188	41							
		4	Very often	102	29	622	30	881	30	778	27							
		Total		350	100	2,024	100	2,827	100	2,850	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	22	8	103	6	167	7	253	10	<b>2.8</b>	2.9	-.09	2.8	-.05	2.7 *	.11
		2	Sometimes	111	32	591	30	813	29	939	34							
		3	Often	122	34	743	37	1,038	36	988	34							
		4	Very often	94	26	588	28	802	28	668	22							
		Total		349	100	2,025	100	2,820	100	2,848	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	32	10	180	9	283	11	444	18	<b>2.8</b>	2.7	.06	2.7	.08	2.5 ***	.28
		2	Sometimes	107	30	687	35	948	34	991	35							
		3	Often	119	33	652	32	870	30	843	29							
		4	Very often	94	26	496	24	708	25	556	18							
		Total		352	100	2,015	100	2,809	100	2,834	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	16	5	82	4	125	5	161	6	<b>2.8</b>	2.9	-.09	2.8	-.06	2.7	.06
		2	Sometimes	108	30	579	29	802	28	931	33							
		3	Often	156	46	852	42	1,235	44	1,151	40							
		4	Very often	66	20	493	24	639	23	589	20							
		Total		346	100	2,006	100	2,801	100	2,832	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	8	3	43	2	74	3	104	4	<b>2.9</b>	2.9	-.05	3.0	-.08	2.9	.02
		2	Sometimes	93	27	525	28	678	24	756	27							
		3	Often	168	47	870	43	1,243	44	1,229	43							
		4	Very often	79	23	554	27	788	28	721	25							
		Total		348	100	1,992	100	2,783	100	2,810	100							
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	10	3	30	2	60	3	63	3	<b>2.9</b>	2.9	-.02	3.0	-.05	2.9	.01
		2	Sometimes	88	26	537	28	706	26	786	28							
		3	Often	160	45	886	44	1,215	44	1,221	43							
		4	Very often	87	26	523	26	777	28	718	26							
		Total		345	100	1,976	100	2,758	100	2,788	100							
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	5	2	15	1	27	1	39	2	<b>3.1</b>	3.2	-.09	3.2 *	-.13	3.1	.03
		2	Sometimes	53	16	296	16	367	13	501	19							
		3	Often	173	49	923	47	1,254	46	1,293	46							
		4	Very often	111	33	735	37	1,101	39	946	34							
		Total		342	100	1,969	100	2,749	100	2,779	100							
<b>3. During the current school year, about how often have you done the following?</b>																		
a. Talked about career plans with a faculty member	SFcareer	1	Never	29	8	243	13	379	14	485	19	<b>2.7</b>	2.6 *	.14	2.5 ***	.20	2.4 ***	.36
		2	Sometimes	125	37	734	38	1,063	39	1,127	41							
		3	Often	99	28	544	27	713	26	699	24							
		4	Very often	91	27	458	23	595	21	477	17							
		Total		344	100	1,979	100	2,750	100	2,788	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	87	25	624	33	1,060	40	1,042	38	<b>2.4</b>	2.2 **	.19	2.0 ***	.36	2.1 ***	.33
		2	Sometimes	101	29	636	32	875	31	871	31							
		3	Often	91	26	389	19	449	17	505	18							
		4	Very often	62	19	325	16	355	13	361	13							
		Total		341	100	1,974	100	2,739	100	2,779	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	58	17	353	18	593	22	625	23	2.4	2.4	.00	2.2 *	.14	2.2 **	.17
		2	Sometimes	147	44	819	42	1,185	43	1,219	44							
		3	Often	89	25	486	25	616	23	603	22							
		4	Very often	47	15	308	16	336	12	326	12							
		Total		341	100	1,966	100	2,730	100	2,773	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	47	14	315	16	548	20	582	22	2.4	2.4	.01	2.3 *	.12	2.2 ***	.20
		2	Sometimes	158	46	855	44	1,193	44	1,246	45							
		3	Often	91	26	502	25	656	25	636	22							
		4	Very often	45	14	291	15	333	12	300	10							
		Total		341	100	1,963	100	2,730	100	2,764	100							
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	23	8	131	7	235	9	166	6	2.8	2.7	.04	2.7	.04	2.8	-.06
		2	Some	105	30	611	31	823	30	792	29							
		3	Quite a bit	133	39	820	42	1,082	39	1,125	41							
		4	Very much	79	23	391	20	587	22	671	24							
		Total		340	100	1,953	100	2,727	100	2,754	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	11	4	54	3	77	3	104	4	3.0	3.0 *	-.12	3.1 ***	-.20	3.0	-.10
		2	Some	82	25	382	20	460	18	562	20							
		3	Quite a bit	155	44	904	47	1,195	44	1,197	44							
		4	Very much	92	27	611	30	985	35	882	32							
		Total		340	100	1,951	100	2,717	100	2,745	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	12	3	65	3	82	3	125	5	2.9	3.0 ***	-.20	3.0 ***	-.22	3.0 *	-.13
		2	Some	106	32	438	22	585	22	663	24							
		3	Quite a bit	143	42	834	44	1,155	42	1,110	41							
		4	Very much	79	24	604	30	886	32	833	30							
		Total		340	100	1,941	100	2,708	100	2,731	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	24	8	79	4	131	5	210	8	2.8	2.9 ***	-.21	2.9 **	-.18	2.8	-.03
		2	Some	106	31	458	24	658	24	744	28							
		3	Quite a bit	134	38	859	44	1,165	43	1,095	39							
		4	Very much	76	23	541	27	744	27	676	24							
		Total		340	100	1,937	100	2,698	100	2,725	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	14	4	76	4	108	4	179	7	<b>2.8</b>	2.9 *	-0.14	2.9 *	-0.14	2.9	-0.01	
		2	Some	100	30	449	24	647	24	693	26								
		3	Quite a bit	152	44	869	45	1,190	44	1,149	41								
		4	Very much	73	22	535	27	750	28	697	25								
		Total		339	100	1,929	100	2,695	100	2,718	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																			
a. Clearly explained course goals and requirements	ETgoals	1	Very little	8	2	30	2	61	3	72	3	<b>3.0</b>	3.1 *	-0.13	3.2 ***	-0.20	3.1	-0.09	
		2	Some	71	21	356	19	431	16	521	19								
		3	Quite a bit	169	49	907	47	1,176	43	1,229	45								
		4	Very much	90	27	644	33	1,025	38	890	33								
		Total		338	100	1,937	100	2,693	100	2,712	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	6	2	45	3	79	3	88	3	<b>3.0</b>	3.1	-0.06	3.1	-0.11	3.0	.00	
		2	Some	77	23	358	19	449	17	557	21								
		3	Quite a bit	160	47	916	47	1,219	45	1,253	46								
		4	Very much	96	29	616	31	946	35	811	30								
		Total		339	100	1,935	100	2,693	100	2,709	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	9	3	55	3	87	4	102	4	<b>3.0</b>	3.1	-0.10	3.1 *	-0.13	3.0	-0.04	
		2	Some	82	25	371	20	474	18	580	22								
		3	Quite a bit	144	41	830	43	1,097	41	1,125	41								
		4	Very much	104	31	679	35	1,032	37	898	33								
		Total		339	100	1,935	100	2,690	100	2,705	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	29	9	158	9	266	11	327	13	<b>2.7</b>	2.8	-0.09	2.8	-0.02	2.6	.10	
		2	Some	112	33	530	28	761	29	853	32								
		3	Quite a bit	115	33	723	37	945	35	937	34								
		4	Very much	83	25	521	27	715	26	595	21								
		Total		339	100	1,932	100	2,687	100	2,712	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	26	8	129	7	186	8	243	9	<b>2.7</b>	2.8	-0.08	2.8 *	-0.12	2.7	.03	
		2	Some	102	30	552	29	714	27	839	31								
		3	Quite a bit	143	42	779	41	1,092	40	1,054	39								
		4	Very much	68	20	454	23	690	26	562	21								
		Total		339	100	1,914	100	2,682	100	2,698	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
<b>6. During the current school year, about how often have you done the following?</b>																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	55	16	265	14	297	11	335	12	2.6	2.5	.03	2.6	-.04	2.6	-.08
		2	Sometimes	114	33	709	36	978	35	929	34							
		3	Often	100	31	634	33	956	37	906	34							
		4	Very often	68	20	315	17	451	17	520	21							
		Total		337	100	1,923	100	2,682	100	2,690	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	82	24	381	20	516	20	565	20	2.3	2.4 *	-.13	2.4 *	-.14	2.4 *	-.12
		2	Sometimes	143	43	723	37	999	37	1,024	38							
		3	Often	63	19	558	30	764	29	742	28							
		4	Very often	50	15	256	13	388	15	362	14							
		Total		338	100	1,918	100	2,667	100	2,693	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	69	19	347	18	435	16	487	17	2.3	2.4 *	-.14	2.4 **	-.17	2.4 **	-.16
		2	Sometimes	156	46	775	40	1,080	40	1,051	38							
		3	Often	79	24	556	30	799	30	823	32							
		4	Very often	33	10	248	13	370	14	335	13							
		Total		337	100	1,926	100	2,684	100	2,696	100							
<b>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.)</b>																		
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	17	6	61	4	125	6	169	8	7.4	8.0	-.08	7.3	.03	7.4	.01
		1.5	1-2	64	22	303	17	426	18	464	19							
		4	3-5	83	27	510	29	717	29	705	28							
		8	6-10	61	19	396	23	627	25	556	22							
		13	11-15	41	13	190	11	264	10	236	9							
		18	16-20	16	5	100	5	158	6	118	4							
		23	More than 20	29	8	176	10	173	6	232	9							
Total		311	100	1,736	100	2,490	100	2,480	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	76	25	292	17	507	22	561	24	3.3	3.8	-.11	3.5	-.04	3.7	-.10
		1.5	1-2	111	36	594	34	875	35	782	31							
		4	3-5	65	20	500	29	660	26	632	25							
		8	6-10	39	12	212	12	283	11	299	12							
		13	11-15	10	3	63	4	97	4	99	4							
		18	16-20	3	1	26	1	28	1	42	2							
		23	More than 20	6	2	28	2	25	1	47	2							
Total		310	100	1,715	100	2,475	100	2,462	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	
c. 11 pages or more	wrlongnum	0	None	156	51	667	39	1,098	45	1,129	46	<b>1.7</b>	1.9	-.07	1.7	-.02	2.1	-.10	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	107	35	718	42	959	38	840	33								
		4	3-5	26	8	219	13	275	11	271	11								
		8	6-10	9	3	71	4	87	4	117	5								
		13	11-15	3	1	20	1	31	1	48	2								
		18	16-20	4	1	13	1	16	1	27	1								
		23	More than 20	4	1	13	1	15	1	28	1								
	Total			309	100	1,721	100	2,481	100	2,460	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.)									<b>73.6</b>	81.7	-.09	75.1	-.02	82.5	-.09	
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	11	3	90	5	154	6	96	4	<b>3.0</b>	2.9	.05	3.0	-.02	3.1 *	-0.12	
		2	Sometimes	89	29	490	29	686	26	573	24								
		3	Often	108	34	558	33	720	30	803	33								
		4	Very often	103	34	596	33	927	38	992	40								
			Total	311	100	1,734	100	2,487	100	2,464	100								
b. People from an economic background other than your own	DDeconomic	1	Never	6	2	58	4	108	5	98	4	<b>3.1</b>	3.0	.09	3.0	.06	3.0	.04	
		2	Sometimes	74	24	435	26	623	24	586	24								
		3	Often	127	41	652	38	886	36	879	36								
		4	Very often	103	34	584	33	865	35	893	36								
			Total	310	100	1,729	100	2,482	100	2,456	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	8	3	90	5	147	6	132	5	<b>3.0</b>	2.9	.09	3.0	.04	3.0	.00	
		2	Sometimes	87	28	466	27	642	26	602	24								
		3	Often	111	35	616	36	800	32	833	34								
		4	Very often	102	34	556	31	890	35	890	36								
			Total	308	100	1,728	100	2,479	100	2,457	100								
d. People with political views other than your own	DDpolitical	1	Never	8	2	82	5	126	6	148	6	<b>3.0</b>	2.9	.06	2.9	.05	2.9	.07	
		2	Sometimes	95	31	494	29	712	29	712	29								
		3	Often	102	33	587	34	789	32	786	32								
		4	Very often	102	34	562	32	859	34	809	33								
			Total	307	100	1,725	100	2,486	100	2,455	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	9	3	32	2	62	3	83	4	<b>3.0</b>	3.1 **	-0.16	3.1 **	-0.18	3.0	-0.05	
		2	Sometimes	66	23	324	19	480	19	509	21								
		3	Often	146	48	793	46	1,018	42	1,086	44								
		4	Very often	86	26	563	33	909	37	759	31								
		Total		307	100	1,712	100	2,469	100	2,437	100								
b. Reviewed your notes after class	LSnotes	1	Never	30	10	141	9	200	8	198	8	<b>2.7</b>	2.7	-0.05	2.8 **	-0.16	2.8	-0.07	
		2	Sometimes	103	33	578	35	763	30	805	33								
		3	Often	102	33	542	31	780	32	785	32								
		4	Very often	73	23	454	26	728	30	653	26								
		Total		308	100	1,715	100	2,471	100	2,441	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	24	9	138	8	187	7	200	9	<b>2.7</b>	2.8	-0.11	2.8 **	-0.16	2.7	-0.10	
		2	Sometimes	105	35	509	30	751	30	759	32								
		3	Often	118	38	654	38	919	38	887	36								
		4	Very often	58	19	404	23	609	25	586	24								
		Total		305	100	1,705	100	2,466	100	2,432	100								
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																			
challenge		1	Not at all	4	2	17	1	43	2	43	2	<b>5.3</b>	5.5 *	-0.12	5.5 **	-0.16	5.4	-0.04	
		2		2	1	22	1	34	2	42	2								
		3		14	5	75	5	95	4	134	6								
		4		39	15	197	12	228	10	300	12								
		5		111	36	530	32	698	29	725	30								
		6		66	21	429	25	696	27	582	24								
		7	Very much	67	21	436	25	669	27	605	25								
		Total		303	100	1,706	100	2,463	100	2,431	100								
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	14	5	111	7	217	9	219	9	<b>64%</b>	57% *	.13	48% ***	.32	52% ***	.24	
			Do not plan to do	39	13	241	15	397	16	362	15								
			Plan to do	54	18	370	21	626	27	563	23								
			Done or in progress	194	64	984	57	1,219	48	1,282	52								
			Total	301	100	1,706	100	2,459	100	2,426	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
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	16	5	174	10	263	12	267	11	<b>59%</b>	44% ***	.29	32% ***	.55	37% ***	.44	
			Do not plan to do	92	30	658	39	1,202	49	1,016	42								
			Plan to do	18	6	103	6	159	7	222	10								
			Done or in progress	173	59	766	44	834	32	918	37								
			Total	299	100	1,701	100	2,458	100	2,423	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	34	11	202	12	322	14	315	13	<b>36%</b>	25% ***	.23	22% ***	.30	23% ***	.28	
			Do not plan to do	139	46	917	55	1,392	56	1,261	53								
			Plan to do	19	7	125	7	175	8	249	11								
			Done or in progress	106	36	457	25	547	22	590	23								
			Total	298	100	1,701	100	2,436	100	2,415	100								
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	22	7	161	9	278	12	306	13	<b>16%</b>	19%	-.09	12%	.10	16%	-.02	
			Do not plan to do	204	69	1,093	66	1,713	71	1,522	63								
			Plan to do	23	8	110	6	122	5	183	8								
			Done or in progress	50	16	336	19	334	12	408	16								
			Total	299	100	1,700	100	2,447	100	2,419	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	24	9	201	12	363	16	315	13	<b>28%</b>	29%	-.04	25%	.07	30%	-.05	
			Do not plan to do	160	53	830	49	1,214	49	1,063	43								
			Plan to do	30	11	175	10	245	11	315	14								
			Done or in progress	84	28	492	29	624	25	725	30								
			Total	298	100	1,698	100	2,446	100	2,418	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	7	2	123	8	154	7	254	11	<b>64%</b>	51% ***	.27	52% ***	.25	38% ***	.53	
			Do not plan to do	46	16	381	24	366	15	698	29								
			Plan to do	51	17	310	18	615	26	516	22								
			Done or in progress	194	64	878	51	1,306	52	939	38								
			Total	298	100	1,692	100	2,441	100	2,407	100								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	84	30	673	41	761	34	1,003	43	<b>1.9</b>	1.7 **	.18	1.8	.11	1.7 ***	.25	
			2	Some	170	56	791	46	1,393	55	1,130								47
			3	Most	37	12	183	10	250	10	209								8
			4	All	6	2	47	3	38	2	52								2
			Total	297	100	1,694	100	2,442	100	2,394	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		<i>Your seniors compared with</i>							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Fredonia	Peer Institutions	Effect size <sup>e</sup>	Aspirational Group	Effect size <sup>e</sup>	Overlap Institutions	Effect size <sup>e</sup>	
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	4	2	21	1	31	1	47	2	<b>5.5</b>	5.5	-.02	5.6	-.04	5.4	.07	
				5	2	20	1	32	1										
				11	4	71	4	90	4										
				35	12	186	11	251	11										
				83	26	453	27	631	25										
				76	26	497	30	712	28										
				84	28	432	25	696	28										
				0	0	11	1	7	0										
Total				298	100	1,691	100	2,450	100	2,411	100								
b. Academic advisors	QIadvisor	1	Poor	19	7	85	5	159	7	194	8	<b>5.0</b>	5.1	-.01	5.0	.04	4.8 *	.15	
				12	4	94	6	136	5										
				23	7	142	8	173	7										
				47	17	236	14	332	14										
				53	17	318	19	501	20										
				50	17	358	21	459	18										
				93	30	448	26	635	26										
				1	0	8	1	54	2										
Total				298	100	1,689	100	2,449	100	2,412	100								
c. Faculty	QIfaculty	1	Poor	5	2	20	1	31	2	54	2	<b>5.3</b>	5.5 *	-0.15	5.6 ***	-.21	5.2	.04	
				2	1	30	2	45	2										
				21	8	76	4	103	4										
				38	12	205	12	235	10										
				92	31	448	26	549	22										
				71	24	482	29	770	31										
				67	22	418	25	703	29										
				1	0	5	0	4	0										
Total				297	100	1,684	100	2,440	100	2,408	100								

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# NSSE 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
												<i>Your seniors compared with</i>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	11	5	67	4	102	5	128	5	<b>4.8</b>	4.9	-.03	4.9	-.05	4.7	.08	
		2		13	5	76	4	101	4	125	5								
		3		23	7	143	9	158	7	212	9								
		4		47	17	272	16	310	13	368	15								
		5		81	27	353	21	444	17	509	21								
		6		55	17	319	19	501	19	391	16								
		7	Excellent	47	16	276	16	417	17	336	14								
		—	Not applicable	18	6	180	11	402	18	340	14								
Total				295	100	1,686	100	2,435	100	2,409	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	10	4	91	6	110	5	147	6	<b>4.8</b>	4.9	-.01	4.9	-.04	4.7	.08	
		2		11	4	72	4	130	6	128	6								
		3		36	13	149	9	163	7	204	9								
		4		52	18	285	17	385	16	418	17								
		5		66	22	381	23	519	21	543	22								
		6		67	22	355	21	556	22	458	19								
		7	Excellent	52	17	287	17	430	17	361	15								
		—	Not applicable	3	1	67	4	157	6	147	6								
Total				297	100	1,687	100	2,450	100	2,406	100								
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	8	3	28	2	36	2	55	2	<b>2.9</b>	3.1 ***	-0.27	3.1 ***	-0.26	3.2 ***	-0.32	
		2	Some	72	26	296	19	401	17	417	18								
		3	Quite a bit	137	48	753	46	1,190	51	995	42								
		4	Very much	68	23	553	34	749	30	866	38								
		Total				285	100	1,630	100	2,376	100								2,333
b. Providing support to help students succeed academically	SEacademic	1	Very little	10	4	56	4	95	5	134	6	<b>2.9</b>	2.9	-0.08	3.0	-0.12	2.8	.05	
		2	Some	80	29	388	25	503	23	615	27								
		3	Quite a bit	122	43	751	46	1,054	44	1,067	46								
		4	Very much	69	24	423	25	705	29	508	21								
		Total				281	100	1,618	100	2,357	100								2,324
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	31	11	139	9	189	9	273	12	<b>2.7</b>	2.8	-0.12	2.9 ***	-0.24	2.6	.06	
		2	Some	83	30	428	27	480	21	719	32								
		3	Quite a bit	110	39	650	40	926	39	860	36								
		4	Very much	59	20	400	24	764	30	466	20								
		Total				283	100	1,617	100	2,359	100								2,318

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# NSSE 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	45	16	210	13	329	14	339	15	<b>2.5</b>	2.6	-.06	2.6	-.10	2.6	-.06
		2	Some	86	31	543	34	708	30	721	31							
		3	Quite a bit	105	38	525	32	787	34	777	34							
		4	Very much	46	16	340	20	532	22	483	20							
		Total		282	100	1,618	100	2,356	100	2,320	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	13	5	93	6	188	9	175	8	<b>2.9</b>	2.9	.03	2.8 **	.15	2.8	.11
		2	Some	68	25	398	25	627	28	609	27							
		3	Quite a bit	126	45	666	41	943	40	945	41							
		4	Very much	75	26	450	27	590	23	578	25							
		Total		282	100	1,607	100	2,348	100	2,307	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	27	10	140	9	208	10	249	11	<b>2.7</b>	2.8	-.12	2.8	-.10	2.7	-.01
		2	Some	87	31	416	26	574	26	652	29							
		3	Quite a bit	107	37	658	41	911	38	912	40							
		4	Very much	60	21	394	24	662	25	494	21							
		Total		281	100	1,608	100	2,355	100	2,307	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	92	33	511	32	758	34	805	35	<b>2.1</b>	2.1	-.02	2.0	.02	2.0	.04
		2	Some	102	35	607	38	886	37	833	36							
		3	Quite a bit	66	24	339	21	475	19	483	21							
		4	Very much	21	8	155	9	230	10	189	8							
		Total		281	100	1,612	100	2,349	100	2,310	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	27	10	153	10	435	20	276	12	<b>2.7</b>	2.7	.06	2.4 ***	.36	2.6 *	.13
		2	Some	88	31	505	31	853	36	740	32							
		3	Quite a bit	96	35	629	39	677	28	875	38							
		4	Very much	70	24	320	20	387	16	414	18							
		Total		281	100	1,607	100	2,352	100	2,305	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	38	14	198	13	390	19	341	15	<b>2.5</b>	2.6	-.01	2.4 *	.14	2.5	.09
		2	Some	101	36	582	36	854	36	868	38							
		3	Quite a bit	91	33	559	35	746	31	764	33							
		4	Very much	50	18	270	17	360	14	332	14							
		Total		280	100	1,609	100	2,350	100	2,305	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Effect size <sup>e</sup>	Effect size <sup>e</sup>	Effect size <sup>e</sup>
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	1	1	4	0	15	1	9	0	<b>14.4</b>	15.3	-.09	14.6	-.02	16.2 **	-0.20
		3	1-5 hrs	37	14	196	12	294	13	275	11							
		8	6-10 hrs	66	23	372	23	546	24	476	20							
		13	11-15 hrs	62	22	330	20	470	20	445	19							
		18	16-20 hrs	52	18	297	19	451	19	412	18							
		23	21-25 hrs	26	9	178	11	254	10	305	14							
		28	26-30 hrs	17	6	107	7	148	6	166	7							
		33	More than 30 hrs	21	7	125	8	157	7	217	10							
			Total	282	100	1,609	100	2,335	100	2,305	100							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	55	19	472	30	1,009	45	772	33	<b>7.7</b>	6.7 *	.13	4.0 ***	.59	6.2 **	.19
		3	1-5 hrs	100	35	511	31	784	32	688	30							
		8	6-10 hrs	47	18	255	16	248	10	361	16							
		13	11-15 hrs	36	13	143	9	146	6	188	8							
		18	16-20 hrs	20	7	103	7	67	2	148	7							
		23	21-25 hrs	9	3	56	4	39	2	77	3							
		28	26-30 hrs	5	2	23	1	18	1	25	1							
		33	More than 30 hrs	8	3	40	3	23	1	44	2							
			Total	280	100	1,603	100	2,334	100	2,303	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	154	54	987	62	1,742	76	1,507	65	<b>4.8</b>	4.3	.08	3.2 ***	.23	4.2	.09
		3	1-5 hrs	28	10	128	8	110	4	136	6							
		8	6-10 hrs	45	15	206	13	162	6	261	11							
		13	11-15 hrs	31	12	126	8	107	5	173	8							
		18	16-20 hrs	11	4	110	7	127	5	139	6							
		23	21-25 hrs	9	4	32	2	41	2	50	2							
		28	26-30 hrs	1	0	3	0	30	1	19	1							
		33	More than 30 hrs	1	0	18	1	19	1	21	1							
			Total	280	100	1,610	100	2,338	100	2,306	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Statistical Comparisons <sup>b</sup>						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	158	56	850	54	830	36	1,122	49	<b>6.9</b>	9.0 ** ▼	-0.18	13.9 *** ▼	-0.53	9.9 *** ▼	-0.25
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	17	6	71	4	116	5	110	5							
	8	6-10 hrs	29	10	100	6	167	6	147	6								
	13	11-15 hrs	20	7	112	7	190	7	167	7								
	18	16-20 hrs	21	8	129	8	265	10	243	10								
	23	21-25 hrs	14	5	113	7	185	7	160	7								
	28	26-30 hrs	7	2	59	4	140	6	93	4								
	33	More than 30 hrs	14	5	170	10	442	22	264	11								
	Total			280	100	1,604	100	2,335	100	2,306	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)											<b>11.6</b>	13.3 * ▼	-0.14	17.2 *** ▼	-0.43	14.1 *** ▼	-0.20
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	132	49	797	52	1,153	51	1,187	52	<b>3.1</b>	3.2	-0.01	2.9	.04	3.4	-0.05
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	102	34	529	31	829	34	703	29							
	8	6-10 hrs	21	8	138	9	200	8	180	8								
	13	11-15 hrs	14	6	56	3	72	3	90	4								
	18	16-20 hrs	7	2	40	3	38	1	71	3								
	23	21-25 hrs	1	0	14	1	6	0	37	2								
	28	26-30 hrs	1	0	4	0	13	1	8	0								
	33	More than 30 hrs	1	0	18	1	21	1	20	1								
	Total			279	100	1,596	100	2,332	100	2,296	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	6	2	39	2	70	3	57	3	<b>11.2</b>	11.8	-0.08	10.4	.10	11.8	-0.08
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	79	28	396	24	690	30	561	23							
	8	6-10 hrs	81	28	450	27	664	28	612	26								
	13	11-15 hrs	52	19	308	19	424	18	495	22								
	18	16-20 hrs	30	10	198	12	252	11	258	11								
	23	21-25 hrs	11	4	75	5	90	4	127	6								
	28	26-30 hrs	4	2	49	3	47	2	63	3								
	33	More than 30 hrs	18	7	90	6	97	5	128	6								
	Total			281	100	1,605	100	2,334	100	2,301	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
								Aspirational Group				Overlap Institutions				Your seniors compared with					
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions			
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	218	78	1,224	76	1,634	69	1,692	74	<b>2.9</b>	3.3	-.06	5.1 ***	-.22	3.7	-.10			
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	23	8	141	9	227	10	213	9										
	8	6-10 hrs	13	4	68	4	105	5	96	4											
	13	11-15 hrs	6	2	34	2	60	3	58	3											
	18	16-20 hrs	6	3	26	2	57	3	61	3											
	23	21-25 hrs	0	0	12	1	20	1	32	2											
	28	26-30 hrs	1	0	7	0	27	1	15	1											
	33	More than 30 hrs	12	4	94	6	192	9	130	5											
Total				279	100	1,606	100	2,322	100	2,297	100										
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	68	24	416	26	311	13	403	17	<b>4.5</b>	4.3	.04	5.1	-.10	5.4 *	-.13			
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	157	55	832	52	1,348	56	1,234	54										
	8	6-10 hrs	27	10	216	13	440	21	381	17											
	13	11-15 hrs	16	6	67	4	142	6	125	6											
	18	16-20 hrs	5	2	26	2	39	2	59	2											
	23	21-25 hrs	1	1	11	1	20	1	35	2											
	28	26-30 hrs	1	0	10	1	6	0	15	1											
	33	More than 30 hrs	5	2	29	2	27	1	49	2											
Total				280	100	1,607	100	2,333	100	2,301	100										
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																					
reading	1	Very little	46	17	203	13	288	12	401	18	<b>2.6</b>	2.9 ***	-.28	2.9 ***	-.27	2.7	-.09				
	2	Some	100	36	440	28	646	27	665	30											
	3	About half	69	24	407	25	676	29	576	25											
	4	Most	45	16	373	24	522	22	449	19											
	5	Almost all	18	6	179	11	202	9	200	8											
	Total			278	100	1,602	100	2,334	100	2,291								100			
		tmreadinghrs	(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																		
												<b>6.1</b>	7.7 ***	-.24	7.2 **	-.18	7.1 **	-.16			

\*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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your seniors compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
	tmreadinghrscol	1	0 hrs	1	1	4	0	15	1	9	0								
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	139	52	714	45	1,037	45	1,094	48								
		3	More than 5, up to 10 hrs	93	32	485	30	741	32	669	30								
		4	More than 10, up to 15 hrs	20	7	162	10	266	11	223	10								
		5	More than 15, up to 20 hrs	17	6	114	7	136	6	146	6								
		6	More than 20, up to 25 hrs	3	1	83	6	87	3	96	4								
		7	More than 25 hrs	5	2	35	2	39	2	45	2								
		Total			278	100	1,597	100	2,321	100	2,282	100							

#### 17. 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	19	8	68	5	108	6	163	8	<b>2.9</b>	3.0 **	-0.17	3.0 *	-0.14	2.9	.04
		2	Some	67	23	343	21	471	21	593	26							
		3	Quite a bit	112	40	635	40	941	40	899	39							
		4	Very much	81	29	554	35	802	34	633	27							
		Total		279	100	1,600	100	2,322	100	2,288	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	16	6	88	6	134	7	210	10	<b>3.0</b>	3.0	-0.01	3.0	-0.03	2.8 **	.17
		2	Some	63	23	360	22	484	22	599	26							
		3	Quite a bit	114	40	654	40	918	39	878	38							
		4	Very much	85	31	498	31	787	33	605	26							
		Total		278	100	1,600	100	2,323	100	2,292	100							
c. Thinking critically and analytically	pgthink	1	Very little	7	3	30	2	57	3	55	3	<b>3.2</b>	3.3 **	-0.17	3.3 *	-0.15	3.2	-0.05
		2	Some	37	14	184	11	258	12	351	15							
		3	Quite a bit	123	43	629	39	863	37	912	39							
		4	Very much	112	39	755	47	1,150	48	975	43							
		Total		279	100	1,598	100	2,328	100	2,293	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	58	21	198	13	213	10	260	11	<b>2.5</b>	2.7 ***	-0.25	2.8 ***	-0.35	2.8 ***	-0.35
		2	Some	86	30	479	29	648	27	624	26							
		3	Quite a bit	82	29	522	32	802	34	771	34							
		4	Very much	54	20	402	26	660	28	637	29							
		Total		280	100	1,601	100	2,323	100	2,292	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your seniors compared with						
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Fredonia		Peer Institutions	Aspirational Group		Overlap Institutions	
												Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	16	7	131	9	213	10	236	11	<b>3.0</b>	2.9 *	.15	2.9 *	.16	2.8 ***	.26
		2	Some	60	21	385	25	542	23	619	28							
		3	Quite a bit	97	34	565	35	822	35	787	34							
		4	Very much	106	38	513	31	745	32	644	28							
		Total		279	100	1,594	100	2,322	100	2,286	100							
f. Working effectively with others	pgothers	1	Very little	11	5	54	4	107	5	111	5	<b>3.1</b>	3.1	-.03	3.0	.03	3.0	.12
		2	Some	57	22	299	20	439	20	530	24							
		3	Quite a bit	104	37	637	40	904	39	940	41							
		4	Very much	107	37	604	36	867	35	707	30							
		Total		279	100	1,594	100	2,317	100	2,288	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	25	11	153	11	267	13	276	12	<b>2.8</b>	2.8	.02	2.8	.05	2.7 *	.13
		2	Some	68	24	396	25	542	24	637	28							
		3	Quite a bit	101	35	574	36	837	35	799	35							
		4	Very much	85	30	472	29	676	29	573	25							
		Total		279	100	1,595	100	2,322	100	2,285	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	27	11	132	9	200	10	207	10	<b>2.8</b>	2.8	.00	2.9	-.03	2.8	.03
		2	Some	70	26	407	26	598	26	616	27							
		3	Quite a bit	92	32	612	39	801	34	856	37							
		4	Very much	87	31	441	27	721	31	609	26							
		Total		276	100	1,592	100	2,320	100	2,288	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	27	11	130	9	234	11	237	11	<b>2.7</b>	2.8	-.11	2.8	-.06	2.7	-.02
		2	Some	90	32	459	29	664	29	702	31							
		3	Quite a bit	94	33	581	36	805	34	818	36							
		4	Very much	66	24	426	26	619	26	534	23							
		Total		277	100	1,596	100	2,322	100	2,291	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	30	12	170	11	284	14	313	15	<b>2.7</b>	2.7	-.04	2.7	.00	2.6	.09
		2	Some	85	31	435	27	623	27	695	31							
		3	Quite a bit	92	31	583	36	819	34	777	34							
		4	Very much	72	25	403	25	588	25	494	21							
		Total		279	100	1,591	100	2,314	100	2,279	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 2017 Frequencies and Statistical Comparisons

## Fredonia State University of New York

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Fredonia		Peer Institutions		Aspirational Group		Overlap Institutions		Your seniors compared with							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	8	4	40	3	45	2	78	4	<b>3.1</b>	3.2 *	-0.14	3.3 ***	-0.23	3.1	.02	
		2	Fair	35	13	180	11	205	10	319	14								
		3	Good	133	48	711	45	964	42	1,123	49								
		4	Excellent	101	35	665	41	1,110	46	767	34								
			Total	277	100	1,596	100	2,324	100	2,287	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	14	6	79	5	78	4	124	5	<b>3.1</b>	3.2	-0.04	3.3 ***	-0.22	3.1	.03	
		2	Probably no	37	14	220	14	215	10	337	15								
		3	Probably yes	118	43	636	40	876	38	1,026	45								
		4	Definitely yes	109	38	657	41	1,151	48	799	35								
			Total	278	100	1,592	100	2,320	100	2,286	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 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Comparisons with:				Fredonia	Comparisons with:			Fredonia	Comparisons with:			Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:					
		Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions		Aspirational Group	Overlap Institutions	Peer Institutions		Aspirational Group	Overlap Institutions	Aspirational Group		Overlap Institutions	Aspirational Group		Overlap Institutions	Aspirational Group		Overlap Institutions					
1 a. askquest	154	2.64	2.75	2.77	2.61	.066	.019	.017	.016	.82	.83	.82	.82	2,014	2,509	2,802	.110	.061	.712	-.13	-.16	.03				
b. drafts	154	2.16	2.40	2.39	2.24	.076	.023	.020	.018	.94	.99	.97	.93	2,005	2,492	2,783	.004	.004	.293	-.24	-.24	-.09				
c. unpreparedr	153	3.01	3.10	2.99	3.02	.050	.017	.016	.015	.62	.75	.76	.75	191	183	179	.112	.643	.833	-.11	.03	-.01				
d. attendart	154	2.21	2.12	1.95	1.95	.090	.021	.019	.018	1.12	.90	.91	.92	170	167	166	.330	.006	.006	.10	.28	.28				
e. CLaskhelp	153	2.63	2.64	2.60	2.59	.067	.020	.017	.017	.82	.86	.84	.88	1,987	2,481	2,772	.891	.748	.592	-.01	.03	.04				
f. CLexplain	151	2.56	2.73	2.68	2.67	.067	.018	.016	.016	.83	.79	.77	.81	1,986	2,476	2,767	.012	.065	.109	-.21	-.16	-.13				
g. CLstudy	153	2.57	2.59	2.46	2.51	.071	.022	.019	.019	.87	.93	.92	.95	1,977	2,466	2,754	.829	.144	.392	-.02	.12	.07				
h. CLproject	153	2.64	2.67	2.58	2.59	.067	.019	.017	.017	.83	.83	.83	.86	1,965	2,465	2,747	.752	.369	.458	-.03	.08	.06				
i. present	151	2.15	2.18	2.39	2.20	.071	.020	.018	.016	.87	.85	.89	.83	1,965	171	2,746	.693	.002	.499	-.03	-.26	-.06				
2 a. RIntegrate	152	2.32	2.57	2.58	2.52	.065	.019	.017	.016	.80	.79	.82	.81	1,935	2,438	2,709	.000	.000	.004	-.31	-.31	-.24				
b. RIsocietal	151	2.42	2.55	2.60	2.49	.071	.020	.018	.017	.87	.86	.86	.87	1,935	2,430	2,715	.088	.016	.389	-.14	-.20	-.07				
c. RIdiverse	147	2.36	2.52	2.60	2.46	.081	.021	.019	.018	.98	.87	.90	.89	166	2,416	2,693	.067	.002	.214	-.17	-.27	-.11				
d. Rlownview	147	2.63	2.72	2.76	2.70	.067	.019	.016	.015	.82	.80	.78	.78	1,906	2,392	2,678	.154	.042	.265	-.12	-.17	-.09				
e. Rlperspect	146	2.81	2.83	2.89	2.80	.077	.019	.016	.016	.93	.79	.77	.78	164	159	158	.856	.345	.877	-.02	-.10	.02				
f. Rlnewview	146	2.79	2.83	2.83	2.78	.071	.019	.017	.016	.86	.78	.78	.79	1,877	2,356	2,633	.586	.621	.869	-.05	-.04	.01				
g. Rlconnect	146	2.80	3.02	3.01	2.94	.065	.017	.015	.015	.79	.72	.70	.74	166	160	160	.002	.003	.044	-.30	-.28	-.18				
3 a. SFcareer	146	2.30	2.24	2.18	2.17	.078	.022	.020	.019	.95	.92	.91	.93	1,868	2,326	2,625	.448	.129	.115	.07	.13	.13				
b. SFotherwork	143	1.85	1.82	1.73	1.77	.075	.022	.020	.018	.90	.92	.92	.89	1,862	2,323	2,613	.693	.110	.291	.03	.14	.09				
c. SFdiscuss	142	2.19	2.06	1.97	2.00	.078	.021	.019	.017	.92	.87	.89	.86	1,851	2,316	155	.081	.004	.014	.15	.25	.23				
d. SFperform	142	2.45	2.12	2.04	2.08	.076	.020	.019	.017	.91	.84	.87	.85	162	158	155	.000	.000	.000	.39	.47	.43				
4 a. memorize	140	2.91	3.01	2.91	2.94	.067	.019	.017	.016	.79	.78	.78	.79	1,845	2,311	2,583	.128	.967	.591	-.13	.00	-.05				
b. HOapply	141	2.64	2.91	2.87	2.92	.075	.019	.016	.016	.89	.80	.76	.81	159	154	154	.001	.003	.000	-.33	-.30	-.34				
c. HOanalyze	139	2.70	2.90	2.85	2.89	.068	.019	.017	.016	.80	.78	.80	.80	1,828	2,293	2,558	.004	.032	.007	-.25	-.19	-.24				
d. HOevaluate	139	2.76	2.84	2.89	2.79	.063	.019	.016	.017	.75	.80	.76	.81	1,830	2,292	2,554	.305	.051	.754	-.09	-.17	-.03				
e. HOform	139	2.70	2.82	2.84	2.80	.067	.019	.017	.016	.79	.78	.78	.81	1,824	2,279	2,553	.082	.031	.146	-.15	-.19	-.13				
5 a. ETgoals	137	2.92	3.08	3.07	3.01	.063	.018	.016	.016	.74	.75	.75	.78	1,816	2,270	2,539	.020	.028	.215	-.21	-.19	-.11				
b. ETorganize	137	2.82	3.00	3.00	2.94	.069	.019	.017	.016	.81	.76	.77	.79	156	152	2,539	.016	.012	.085	-.23	-.23	-.15				
c. ETexample	137	2.73	3.01	2.99	2.95	.071	.019	.017	.016	.83	.78	.80	.81	156	153	151	.000	.001	.003	-.35	-.32	-.28				
d. ETdraftfb	137	2.69	2.77	2.78	2.63	.083	.022	.019	.018	.97	.88	.89	.89	155	151	2,532	.303	.252	.511	-.10	-.11	.06				
e. ETfeedback	137	2.53	2.67	2.67	2.60	.076	.021	.019	.018	.90	.86	.87	.87	1,809	2,259	2,528	.061	.063	.358	-.17	-.16	-.08				

# NSSE 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Comparisons with:				Fredonia	Comparisons with:			Fredonia	Comparisons with:			Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:					
		Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions		Peer Institutions	Aspirational Group	Overlap Institutions		Peer Institutions	Aspirational Group	Overlap Institutions		Aspirational Group	Overlap Institutions		Aspirational Group	Overlap Institutions		Aspirational Group	Overlap Institutions				
6 a. QRconclude	137	2.30	2.56	2.50	2.57	.072	.021	.019	.018	.84	.88	.87	.86	161	2,251	2,525	.001	.007	.000	-.30	-.24	-.32				
b. QRproblem	137	2.19	2.24	2.26	2.29	.074	.022	.019	.018	.87	.90	.89	.89	1,809	2,245	2,525	.511	.402	.186	-.06	-.07	-.12				
c. QRevaluate	135	2.07	2.27	2.23	2.30	.066	.021	.019	.018	.76	.87	.86	.86	163	156	154	.005	.015	.001	-.23	-.20	-.27				
7 a. wrshortnum	118	6.96	6.61	6.46	5.88	.569	.151	.121	.114	6.18	5.76	5.27	5.31	1,576	127	126	.524	.390	.066	.06	.09	.20				
b. wrmednum	115	1.98	2.04	2.05	2.34	.232	.075	.060	.075	2.49	2.86	2.60	3.47	1,568	1,996	139	.809	.768	.132	-.02	-.03	-.11				
c. wrlongnum	118	.93	.77	.65	1.08	.264	.061	.043	.067	2.86	2.31	1.85	3.10	129	123	2,269	.543	.288	.614	.07	.15	-.05				
— wrpages	115	51.15	47.20	45.02	52.32	6.195	1.533	1.120	1.654	66.54	58.05	48.36	76.57	129	122	2,257	.536	.332	.873	.07	.12	-.02				
8 a. DDrace	118	2.94	2.94	2.95	3.00	.090	.024	.021	.019	.98	.90	.90	.89	1,579	2,014	127	.920	.886	.494	-.01	-.01	-.07				
b. DDeconomic	118	2.83	2.99	2.93	2.97	.090	.022	.020	.019	.97	.86	.88	.86	132	129	127	.090	.265	.133	-.18	-.12	-.16				
c. DDreligion	118	2.85	2.91	2.90	2.90	.090	.024	.021	.020	.97	.92	.93	.92	1,581	2,007	2,263	.497	.552	.535	-.07	-.06	-.06				
d. DDpolitical	118	2.86	3.03	2.99	2.89	.092	.023	.021	.020	1.00	.88	.90	.91	132	129	127	.066	.172	.721	-.20	-.14	-.04				
9 a. LSreading	113	2.89	3.02	2.96	2.91	.075	.019	.017	.016	.79	.73	.75	.75	1,563	1,994	2,237	.061	.330	.713	-.18	-.09	-.04				
b. LSnotes	115	2.85	2.93	2.82	2.84	.085	.023	.020	.019	.91	.88	.88	.86	1,564	1,995	2,237	.390	.671	.922	-.08	.04	.01				
c. LSsummary	114	2.79	2.83	2.66	2.76	.074	.022	.020	.018	.79	.85	.86	.84	1,559	1,994	2,230	.611	.122	.767	-.05	.15	.03				
10. challenge	115	5.25	5.44	5.38	5.30	.105	.030	.027	.027	1.13	1.13	1.17	1.25	1,555	1,994	2,226	.087	.253	.645	-.17	-.11	-.04				
11 a. intern <sup>l</sup>	114	.076	.055	.080	.056	.0250	.0060	.0063	.0050	--	--	--	--	--	--	--	.347	.888	.375	.09	-.01	.08				
b. leader <sup>l</sup>	113	.082	.105	.098	.088	.0260	.0081	.0069	.0062	--	--	--	--	--	--	--	.445	.589	.842	-.08	-.05	-.02				
c. learncom <sup>l</sup>	111	.064	.125	.072	.102	.0232	.0088	.0060	.0066	--	--	--	--	--	--	--	.056	.741	.188	-.21	-.03	-.14				
d. abroad <sup>l</sup>	113	.007	.026	.016	.026	.0079	.0042	.0029	.0035	--	--	--	--	--	--	--	.213	.463	.204	-.16	-.08	-.16				
e. research <sup>l</sup>	113	.056	.049	.035	.036	.0217	.0057	.0043	.0041	--	--	--	--	--	--	--	.761	.264	.285	.03	.10	.09				
f. capstone <sup>l</sup>	113	.021	.019	.008	.028	.0136	.0036	.0021	.0036	--	--	--	--	--	--	--	.883	.167	.661	.01	.11	-.05				
12. servcourse	113	1.49	1.56	1.61	1.58	.058	.018	.015	.015	.62	.67	.65	.69	1,531	1,968	2,194	.248	.065	.148	-.11	-.18	-.14				
13 a. QIstudent	112	5.34	5.42	5.38	5.24	.134	.035	.031	.031	1.42	1.33	1.31	1.39	1,522	1,949	2,174	.530	.780	.438	-.06	-.03	.08				
b. QIadvisor	110	5.04	4.92	5.02	4.79	.159	.046	.039	.038	1.67	1.71	1.65	1.71	1,496	1,884	2,137	.485	.917	.134	.07	.01	.15				
c. QIfaculty	112	5.19	5.24	5.25	5.03	.138	.036	.032	.032	1.46	1.37	1.36	1.44	1,524	1,946	2,153	.718	.651	.254	-.04	-.04	.11				
d. QIstaff	108	5.13	5.10	5.05	4.89	.132	.042	.038	.037	1.38	1.52	1.57	1.58	130	126	124	.860	.569	.087	.02	.05	.15				
e. QIadmin	107	5.15	4.98	4.99	4.82	.136	.043	.039	.037	1.40	1.57	1.60	1.61	1,409	1,824	122	.267	.297	.019	.11	.10	.21				
14 a. empstudy	105	3.03	3.15	3.02	3.08	.071	.020	.018	.017	.73	.73	.74	.76	1,448	1,883	2,083	.125	.879	.528	-.16	.02	-.06				
b. SEacademic	105	2.81	3.07	3.02	2.91	.088	.022	.019	.019	.90	.80	.80	.83	117	114	2,063	.004	.017	.208	-.33	-.27	-.13				
c. SElearnsup	105	2.92	3.11	3.15	2.90	.091	.023	.020	.020	.94	.83	.86	.89	1,440	1,866	2,069	.024	.007	.830	-.23	-.27	-.02				



# NSSE 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Comparisons with:				Fredonia	Comparisons with:			Fredonia	Comparisons with:			Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:		Peer Institutions	Comparisons with:					
		Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions		Aspirational Group	Overlap Institutions	Peer Institutions		Aspirational Group	Overlap Institutions	Aspirational Group		Overlap Institutions	Aspirational Group		Overlap Institutions								
d. SEdiverse	104	2.75	2.76	2.73	2.75	.100	.026	.022	.021	1.02	.94	.94	.93	1,433	1,858	2,062	.975	.843	.971	.00	.02	.00				
e. SEsocial	102	2.92	3.06	2.91	2.92	.089	.023	.021	.020	.90	.84	.86	.88	1,431	1,859	2,061	.103	.901	.996	-.17	.01	.00				
f. SEwellness	100	2.88	3.00	2.88	2.85	.094	.023	.021	.020	.94	.85	.88	.88	111	1,854	2,053	.208	.976	.727	-.14	.00	.04				
g. SEnonacad	101	2.21	2.40	2.31	2.35	.101	.026	.022	.021	1.01	.94	.91	.94	1,431	1,843	2,054	.046	.256	.134	-.21	-.12	-.15				
h. SEactivities	100	2.77	2.92	2.66	2.79	.093	.023	.023	.020	.93	.84	.96	.89	112	1,838	2,056	.125	.256	.842	-.17	.12	-.02				
i. SEevents	101	2.65	2.70	2.52	2.58	.093	.024	.022	.020	.93	.89	.94	.90	1,427	1,850	2,060	.554	.187	.502	-.06	.13	.07				
15 a. tmprephrs	101	14.12	14.27	13.36	14.40	.846	.220	.188	.185	8.49	8.00	7.88	8.17	1,429	1,849	2,049	.857	.350	.738	-.02	.10	-.03				
b. tmcocurrhrs	99	5.99	6.74	4.84	6.35	.684	.193	.153	.164	6.81	6.99	6.39	7.24	1,414	1,846	2,041	.300	.084	.624	-.11	.18	-.05				
c. tmworkonhrs	99	2.10	2.37	1.69	2.85	.534	.143	.114	.135	5.31	5.18	4.76	5.96	1,416	1,853	111	.616	.408	.176	-.05	.09	-.13				
d. tmworkoffhrs	98	3.33	2.57	6.72	4.44	.715	.174	.248	.188	7.09	6.32	10.38	8.32	1,416	122	111	.253	.000	.135	.12	-.33	-.13				
— tmworkhrs	97	5.20	4.86	8.38	7.30	1.006	.241	.269	.258	9.90	8.72	11.25	11.39	1,407	110	109	.707	.003	.046	.04	-.28	-.19				
e. tmservicehrs	98	2.33	2.27	2.28	2.60	.516	.127	.103	.120	5.11	4.61	4.30	5.31	1,416	1,836	2,044	.901	.906	.628	.01	.01	-.05				
f. tmrelaxhrs	98	15.03	13.97	13.12	13.31	1.006	.242	.211	.198	9.97	8.80	8.85	8.74	109	106	105	.310	.066	.097	.12	.21	.20				
g. tmcarehrs	99	1.88	1.29	1.95	2.19	.553	.121	.138	.123	5.51	4.37	5.77	5.43	108	1,844	2,032	.296	.908	.584	.13	-.01	-.06				
h. tmcommutehrs	99	3.15	2.03	3.94	3.86	.587	.122	.131	.134	5.85	4.42	5.49	5.90	107	1,848	2,034	.065	.166	.243	.25	-.14	-.12				
16. reading	98	2.60	2.82	2.71	2.72	.108	.030	.025	.025	1.07	1.09	1.06	1.11	1,414	1,846	2,037	.044	.297	.290	-.21	-.11	-.11				
— tmreadinghrs	98	5.65	6.83	6.09	6.44	.505	.165	.130	.129	5.01	5.98	5.45	5.66	1,414	1,839	2,029	.057	.438	.176	-.20	-.08	-.14				
17 a. pgwrite	100	2.57	2.80	2.75	2.65	.095	.024	.020	.019	.95	.85	.85	.85	111	108	107	.018	.065	.408	-.27	-.21	-.09				
b. pgspeak	98	2.44	2.55	2.67	2.51	.105	.026	.021	.020	1.04	.93	.88	.89	109	105	105	.311	.031	.482	-.12	-.26	-.08				
c. pgthink	100	2.83	3.03	3.00	3.00	.093	.022	.019	.018	.93	.78	.81	.81	110	108	107	.034	.076	.082	-.26	-.21	-.21				
d. pganalyze	100	2.36	2.61	2.58	2.70	.102	.026	.022	.021	1.02	.94	.90	.93	1,411	1,835	2,020	.010	.017	.000	-.27	-.25	-.37				
e. pgwork	100	2.34	2.58	2.44	2.49	.100	.026	.023	.021	1.00	.93	.94	.92	1,410	1,823	2,021	.016	.315	.132	-.25	-.10	-.15				
f. pgothers	100	2.71	2.81	2.77	2.73	.096	.024	.020	.019	.96	.86	.85	.85	111	108	107	.325	.553	.798	-.11	-.07	-.03				
g. pgvalues	99	2.52	2.64	2.59	2.60	.107	.026	.022	.020	1.07	.94	.92	.90	110	107	105	.278	.537	.484	-.13	-.07	-.08				
h. pgdiverse	98	2.77	2.74	2.77	2.75	.103	.026	.022	.021	1.02	.95	.91	.92	1,406	106	105	.732	.996	.830	.04	.00	.02				
i. pgprobsolve	97	2.49	2.57	2.54	2.59	.103	.026	.021	.021	1.02	.92	.89	.90	1,404	105	104	.383	.617	.328	-.09	-.06	-.11				
j. pgcitizen	99	2.62	2.68	2.63	2.60	.099	.025	.022	.021	.99	.92	.91	.90	1,408	1,828	2,012	.513	.844	.842	-.07	-.02	.02				
18. evalexp	100	3.06	3.18	3.20	3.00	.075	.020	.017	.017	.75	.72	.71	.76	1,402	1,839	2,010	.085	.054	.505	-.18	-.20	.07				
19. sameinst	100	3.13	3.15	3.21	3.04	.087	.022	.019	.019	.87	.81	.81	.82	1,406	1,834	2,013	.772	.319	.321	-.03	-.10	.10				

# NSSE 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Comparisons with:			Comparisons with:			Comparisons with:							
													Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions					
1 a. askquest	363	3.21	3.12	3.13	2.91	.044	.016	.012	.013	.83	.84	.86	.89	3,308	5,459	4,767	.059	.107	.000	.11	.09	.33				
b. drafts	365	2.06	2.25	2.34	2.17	.053	.018	.014	.015	1.01	.98	1.02	.98	3,280	418	4,743	.001	.000	.033	-.19	-.28	-.12				
c. unpreparedr	362	2.91	3.00	2.94	2.93	.043	.014	.011	.012	.83	.77	.78	.81	443	5,403	4,736	.049	.461	.537	-.12	-.04	-.03				
d. attendart	358	2.35	1.88	1.87	1.84	.060	.017	.013	.013	1.13	.91	.91	.88	416	392	394	.000	.000	.000	.50	.52	.56				
e. CLaskhelp	356	2.62	2.55	2.47	2.53	.046	.016	.012	.013	.86	.88	.87	.89	3,271	5,383	4,712	.165	.002	.065	.08	.17	.10				
f. CLexplain	352	2.90	2.87	2.78	2.83	.041	.015	.012	.013	.76	.82	.83	.83	455	412	421	.602	.009	.095	.03	.13	.09				
g. CLstudy	353	2.67	2.60	2.48	2.57	.051	.018	.014	.015	.96	.95	.96	.96	3,263	5,362	4,701	.185	.000	.057	.07	.20	.11				
h. CLproject	355	2.91	2.91	2.87	2.85	.046	.016	.012	.014	.87	.85	.86	.89	3,233	5,348	4,676	.991	.380	.174	.00	.05	.08				
i. present	353	2.95	2.87	2.88	2.68	.046	.017	.013	.015	.87	.90	.92	.96	450	410	425	.132	.152	.000	.08	.08	.28				
2 a. RIntegrate	349	2.96	2.98	3.00	2.91	.044	.015	.012	.013	.82	.82	.82	.83	3,198	5,305	4,635	.666	.401	.293	-.02	-.05	.06				
b. RIsocietal	348	2.79	2.88	2.84	2.69	.049	.017	.013	.014	.92	.88	.91	.92	3,198	5,294	4,631	.105	.356	.049	-.09	-.05	.11				
c. RIdiverse	350	2.76	2.70	2.68	2.48	.051	.018	.014	.015	.95	.93	.97	.98	3,187	5,272	4,614	.329	.164	.000	.06	.08	.28				
d. Rlownview	344	2.80	2.87	2.85	2.74	.044	.016	.012	.013	.81	.83	.82	.85	3,171	5,257	407	.112	.249	.246	-.09	-.06	.06				
e. Rlperspect	346	2.91	2.95	2.98	2.89	.042	.015	.012	.013	.77	.80	.80	.83	3,150	5,218	413	.384	.131	.653	-.05	-.08	.02				
f. Rlnewview	343	2.93	2.95	2.97	2.92	.043	.015	.011	.012	.80	.78	.80	.80	3,126	5,166	4,537	.704	.374	.839	-.02	-.05	.01				
g. Rlconnect	340	3.14	3.20	3.23	3.11	.040	.014	.010	.012	.73	.72	.73	.76	3,111	5,146	4,518	.134	.018	.628	-.09	-.13	.03				
3 a. SFcareer	342	2.73	2.60	2.54	2.38	.051	.019	.014	.015	.95	.98	.98	.97	3,129	5,150	4,535	.017	.000	.000	.14	.20	.36				
b. SFotherwork	339	2.39	2.19	2.02	2.05	.058	.020	.015	.016	1.06	1.07	1.03	1.04	3,118	385	392	.001	.000	.000	.19	.36	.33				
c. SFdiscuss	338	2.38	2.38	2.25	2.22	.051	.018	.014	.014	.93	.95	.93	.93	3,104	5,110	4,510	.990	.012	.003	.00	.14	.17				
d. SFperform	338	2.39	2.38	2.28	2.21	.049	.018	.013	.014	.89	.93	.91	.90	3,099	5,106	4,497	.843	.034	.000	.01	.12	.20				
4 a. memorize	338	2.78	2.74	2.74	2.83	.049	.016	.013	.013	.89	.85	.90	.86	3,088	5,102	4,480	.443	.446	.279	.04	.04	-.06				
b. HOapply	338	2.95	3.05	3.11	3.03	.044	.015	.012	.013	.82	.79	.80	.83	3,085	5,084	4,467	.041	.001	.085	-.12	-.20	-.10				
c. HOanalyze	338	2.85	3.01	3.04	2.97	.044	.016	.012	.013	.82	.81	.82	.86	423	5,062	4,445	.001	.000	.017	-.20	-.22	-.13				
d. HOevaluate	338	2.77	2.94	2.92	2.79	.049	.016	.012	.014	.89	.83	.85	.90	411	382	4,437	.001	.002	.599	-.21	-.18	-.03				
e. HOform	337	2.84	2.95	2.95	2.85	.044	.016	.012	.014	.81	.82	.83	.88	3,048	5,039	4,425	.018	.017	.800	-.14	-.14	-.01				
5 a. ETgoals	335	3.01	3.11	3.17	3.08	.041	.014	.011	.012	.76	.76	.79	.79	3,061	387	396	.021	.000	.108	-.13	-.20	-.09				
b. ETorganize	337	3.02	3.07	3.11	3.02	.042	.015	.012	.013	.76	.77	.80	.80	3,061	391	4,412	.284	.051	.960	-.06	-.11	.00				
c. ETexample	337	3.01	3.09	3.11	3.04	.044	.016	.012	.013	.81	.81	.84	.84	3,060	5,031	4,404	.088	.023	.507	-.10	-.13	-.04				
d. ETdraftfb	337	2.73	2.82	2.75	2.64	.051	.018	.014	.015	.93	.92	.96	.95	3,055	5,024	4,416	.114	.670	.087	-.09	-.02	.10				
e. ETfeedback	337	2.73	2.80	2.84	2.71	.047	.017	.013	.014	.87	.87	.90	.90	3,027	5,018	4,395	.192	.034	.648	-.08	-.12	.03				

# NSSE 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Comparisons with:			Comparisons with:			Comparisons with:							
													Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions					
6 a. QRconclude	334	2.56	2.54	2.60	2.64	.054	.018	.013	.015	.98	.93	.90	.93	410	374	4,380	.646	.468	.157	.03	-.04	-.08				
b. QRproblem	336	2.25	2.37	2.39	2.36	.054	.018	.014	.015	.98	.94	.96	.96	3,035	4,981	4,387	.030	.011	.043	-.13	-.14	-.12				
c. QRevaluate	335	2.26	2.38	2.41	2.40	.049	.018	.013	.014	.89	.92	.92	.92	428	387	395	.014	.002	.004	-.14	-.17	-.16				
7 a. wrshortnum	309	7.45	8.01	7.27	7.35	.379	.137	.094	.110	6.66	6.76	6.20	6.70	2,741	348	4,034	.171	.652	.804	-.08	.03	.01				
b. wrmednum	308	3.28	3.75	3.46	3.73	.241	.087	.063	.076	4.24	4.24	4.12	4.62	2,711	4,593	4,006	.066	.471	.095	-.11	-.04	-.10				
c. wrlongnum	307	1.67	1.90	1.74	2.06	.202	.065	.048	.063	3.54	3.18	3.14	3.82	2,717	4,611	368	.236	.688	.062	-.07	-.02	-.10				
— wrpages	305	73.55	81.74	75.05	82.52	5.309	1.756	1.286	1.632	92.78	85.77	83.76	98.80	2,689	4,545	3,967	.120	.764	.126	-.09	-.02	-.09				
8 a. DDrace	309	2.98	2.94	3.00	3.09	.050	.018	.014	.015	.87	.91	.94	.88	2,743	361	4,008	.414	.658	.046	.05	-.02	-.12				
b. DDeconomic	307	3.07	3.00	3.02	3.04	.046	.017	.014	.014	.80	.86	.89	.87	2,734	4,608	370	.153	.292	.498	.09	.06	.04				
c. DDreligion	306	3.01	2.93	2.97	3.01	.049	.018	.014	.015	.85	.89	.93	.91	2,730	358	3,992	.146	.432	.991	.09	.04	.00				
d. DDpolitical	304	2.99	2.93	2.94	2.92	.049	.018	.014	.015	.86	.89	.92	.92	2,725	354	363	.301	.340	.209	.06	.05	.07				
9 a. LSreading	304	2.98	3.10	3.12	3.02	.045	.016	.012	.014	.78	.77	.80	.82	2,701	351	3,958	.009	.002	.402	-.16	-.18	-.05				
b. LSnotes	306	2.69	2.74	2.84	2.76	.054	.019	.014	.015	.94	.94	.94	.94	2,708	4,590	3,968	.414	.008	.212	-.05	-.16	-.07				
c. LSsummary	301	2.66	2.76	2.80	2.75	.051	.018	.014	.015	.88	.90	.90	.91	2,686	4,578	3,950	.068	.008	.109	-.11	-.16	-.10				
10. challenge	301	5.30	5.45	5.51	5.36	.074	.026	.021	.023	1.28	1.27	1.35	1.39	2,693	4,569	361	.043	.008	.430	-.12	-.16	-.04				
11 a. intern <sup>l</sup>	298	.637	.574	.477	.518	.0279	.0101	.0076	.0083	--	--	--	--	--	--	--	.036	.000	.000	.13	.32	.24				
b. leader <sup>l</sup>	296	.590	.444	.322	.373	.0286	.0102	.0072	.0080	--	--	--	--	--	--	--	.000	.000	.000	.29	.55	.44				
c. learncom <sup>l</sup>	295	.359	.255	.222	.231	.0280	.0089	.0064	.0070	--	--	--	--	--	--	--	.000	.000	.000	.23	.30	.28				
d. abroad <sup>l</sup>	296	.157	.190	.122	.163	.0211	.0080	.0050	.0061	--	--	--	--	--	--	--	.168	.083	.782	-.09	.10	-.02				
e. research <sup>l</sup>	295	.277	.294	.248	.300	.0261	.0093	.0066	.0076	--	--	--	--	--	--	--	.543	.266	.404	-.04	.07	-.05				
f. capstone <sup>l</sup>	295	.642	.508	.520	.381	.0280	.0103	.0077	.0081	--	--	--	--	--	--	--	.000	.000	.000	.27	.25	.53				
12. servcourse	294	1.87	1.74	1.79	1.69	.041	.015	.010	.012	.71	.74	.68	.71	378	4,520	343	.002	.061	.000	.18	.11	.25				
13 a. QIstudent	295	5.50	5.52	5.55	5.40	.080	.026	.020	.023	1.38	1.29	1.31	1.36	2,652	4,523	3,890	.756	.474	.252	-.02	-.04	.07				
b. QIadvisor	294	5.04	5.07	4.97	4.76	.108	.036	.028	.031	1.85	1.75	1.82	1.86	2,651	4,438	3,846	.829	.525	.011	-.01	.04	.15				
c. QIfaculty	293	5.29	5.48	5.58	5.23	.080	.027	.021	.024	1.36	1.32	1.37	1.45	2,652	4,509	3,895	.018	.000	.493	-.15	-.21	.04				
d. QIstaff	274	4.84	4.88	4.93	4.70	.097	.035	.029	.031	1.61	1.63	1.71	1.70	2,372	3,727	329	.694	.385	.185	-.03	-.05	.08				
e. QIadmin	292	4.84	4.85	4.90	4.71	.094	.035	.027	.029	1.61	1.66	1.68	1.70	2,568	4,274	3,671	.893	.548	.207	-.01	-.04	.08				
14 a. empstudy	282	2.91	3.11	3.10	3.16	.046	.016	.011	.013	.77	.77	.73	.79	2,566	4,387	3,785	.000	.000	.000	-.27	-.26	-.32				
b. SEacademic	277	2.87	2.93	2.97	2.83	.049	.017	.013	.014	.81	.80	.83	.83	2,542	4,355	3,765	.230	.055	.411	-.08	-.12	.05				
c. SElearnsup	278	2.68	2.79	2.91	2.63	.055	.019	.015	.016	.92	.91	.94	.93	2,540	4,350	3,755	.059	.000	.360	-.12	-.24	.06				

# NSSE 2017 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### Fredonia State University of New York

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Fredonia	Peer Institutions	Aspirational Group	Overlap Institutions	Comparisons with:			Comparisons with:			Comparisons with:							
													Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions	Peer Institutions	Aspirational Group	Overlap Institutions					
d. SEdiverse	278	2.54	2.59	2.63	2.60	.056	.020	.015	.016	.94	.95	.98	.97	2,539	4,344	3,758	.345	.108	.313	-.06	-.10	-.06				
e. SEsocial	278	2.92	2.90	2.78	2.82	.050	.018	.014	.015	.83	.87	.90	.89	2,523	324	331	.672	.008	.054	.03	.15	.11				
f. SEwellness	276	2.70	2.80	2.79	2.71	.055	.019	.015	.016	.92	.90	.94	.92	2,524	4,342	3,735	.069	.102	.874	-.12	-.10	-.01				
g. SEnonacad	276	2.06	2.08	2.04	2.03	.056	.020	.015	.016	.94	.95	.95	.94	2,530	4,335	3,740	.748	.761	.543	-.02	.02	.04				
h. SEactivities	277	2.74	2.69	2.39	2.61	.056	.019	.015	.016	.94	.90	.98	.91	2,525	4,335	3,732	.387	.000	.032	.06	.36	.13				
i. SEevents	276	2.54	2.55	2.41	2.46	.056	.019	.015	.016	.93	.91	.95	.91	2,525	4,331	3,731	.851	.021	.161	-.01	.14	.09				
15 a. tmprephrs	278	14.44	15.26	14.63	16.20	.518	.184	.136	.153	8.64	8.73	8.61	9.02	2,528	4,301	3,736	.135	.721	.002	-.09	-.02	-.20				
b. tmcocurrhrs	275	7.72	6.70	3.98	6.22	.489	.169	.098	.130	8.11	8.03	6.20	7.65	2,519	297	3,732	.048	.000	.002	.13	.59	.19				
c. tmworkonhrs	276	4.84	4.30	3.23	4.22	.408	.146	.109	.121	6.79	6.96	6.92	7.14	2,530	316	3,737	.224	.000	.163	.08	.23	.09				
d. tmworkoffhrs	275	6.92	9.00	13.95	9.88	.604	.249	.210	.203	10.02	11.80	13.32	11.97	374	344	340	.002	.000	.000	-.18	-.53	-.25				
— tmworkhrs	274	11.56	13.30	17.20	14.07	.696	.259	.207	.219	11.52	12.29	13.13	12.89	353	323	329	.020	.000	.001	-.14	-.43	-.20				
e. tmservicehrs	275	3.10	3.18	2.90	3.39	.291	.117	.082	.100	4.83	5.55	5.17	5.89	2,506	4,297	342	.827	.528	.348	-.01	.04	-.05				
f. tmrelaxhrs	277	11.17	11.81	10.36	11.84	.519	.182	.127	.145	8.63	8.61	8.06	8.51	2,523	4,301	3,731	.238	.108	.204	-.08	.10	-.08				
g. tmcarehrs	276	2.87	3.34	5.07	3.71	.455	.177	.162	.145	7.56	8.38	10.23	8.53	2,522	348	333	.378	.000	.079	-.06	-.22	-.10				
h. tmcommutehrs	276	4.55	4.33	5.10	5.40	.370	.123	.082	.109	6.15	5.83	5.19	6.40	2,526	4,298	3,728	.568	.091	.034	.04	-.10	-.13				
16. reading	274	2.58	2.92	2.89	2.69	.069	.025	.018	.021	1.14	1.21	1.15	1.20	2,518	4,296	3,711	.000	.000	.163	-.28	-.27	-.09				
— tmreadinghrs	274	6.08	7.65	7.16	7.09	.332	.139	.096	.108	5.50	6.59	6.09	6.31	376	321	334	.000	.002	.004	-.24	-.18	-.16				
17 a. pgwrite	276	2.90	3.05	3.02	2.86	.055	.018	.014	.015	.92	.86	.88	.90	2,517	4,281	3,711	.007	.024	.489	-.17	-.14	.04				
b. pgspeak	275	2.96	2.96	2.98	2.80	.053	.019	.014	.016	.89	.88	.90	.94	2,516	4,279	325	.904	.644	.005	-.01	-.03	.17				
c. pgthink	276	3.19	3.31	3.30	3.22	.048	.016	.012	.014	.80	.76	.79	.80	2,512	4,290	3,717	.009	.019	.443	-.17	-.15	-.05				
d. pganalyze	277	2.47	2.72	2.81	2.81	.062	.021	.015	.017	1.03	.99	.96	.98	2,519	310	317	.000	.000	.000	-.25	-.35	-.35				
e. pgwork	276	3.03	2.89	2.88	2.79	.056	.020	.015	.017	.93	.95	.97	.97	2,505	4,283	325	.020	.011	.000	.15	.16	.26				
f. pgothers	276	3.07	3.09	3.04	2.97	.053	.018	.014	.015	.88	.84	.88	.86	2,509	4,277	3,711	.584	.677	.065	-.03	.03	.12				
g. pgvalues	276	2.84	2.83	2.79	2.71	.058	.020	.016	.017	.97	.96	1.00	.97	2,507	4,283	3,702	.792	.409	.036	.02	.05	.13				
h. pgdiverse	273	2.83	2.83	2.86	2.80	.060	.020	.015	.016	.99	.93	.96	.94	333	4,278	3,709	.966	.663	.590	.00	-.03	.03				
i. pgprobsolve	274	2.70	2.80	2.76	2.72	.057	.020	.015	.016	.95	.92	.97	.94	2,509	4,282	3,713	.089	.346	.764	-.11	-.06	-.02				
j. pgcitizen	276	2.70	2.75	2.70	2.61	.059	.020	.016	.017	.98	.96	1.00	.98	2,504	4,270	3,696	.486	.992	.140	-.04	.00	.09				
18. evalexp	274	3.14	3.25	3.31	3.12	.048	.016	.012	.013	.79	.76	.74	.78	2,509	4,283	3,704	.025	.000	.803	-.14	-.23	.02				
19. sameinst	274	3.12	3.16	3.30	3.09	.052	.018	.013	.014	.86	.85	.80	.84	2,503	4,277	3,706	.487	.000	.603	-.04	-.22	.03				

### 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."
- 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."