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# NSSE 2020

## Frequencies and Statistical Comparisons

Ferris State University

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# NSSE 2020 Frequencies and Statistical Comparisons

## About This Report


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

- 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 Frequencies and Statistical Comparisons

NSSEville State University

		Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		NSSEville State	Admissions Overlap	Carnegie UG Program	NSSE Cohort			
Item wording or description	Variable name <sup>c</sup>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>	Mean	Effect size <sup>d</sup>	Mean	Effect size <sup>d</sup>
<b>6. During the current school year, about how often have you done the following?</b>																
<b>a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)</b>																
	QRconclude	1	Never	3	0	244	2	54	2	6,952	3					
		2	Sometimes	197	20	4,397	27	845	29	75,222	33					
		3	Often	112	33	5,947	37	1,086	38	81,724	35					
		4	Very often	280	46	5,440	34	889	31	66,983	29					
	Total	630	100	16,028	100	2,874	100	230,881	100	<b>3.3</b>						
<b>b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)</b>																
	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16					
		2	Sometimes	267	42	5,959	37	978	34	79,495	34					
		3	Often	164	26	4,548	29	83	3	67,348	29					
		4	Very often	113	19	2,722	20	52	2	47,208	21					
	Total	626	100	15,148	100	2,858	100	229,541	100	<b>2.5</b>						
<b>c. Evaluated what others have concluded from numerical information</b>																
	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6					
		2	Sometimes	56	9	1,666	11	262	10	28,134	13					
		3	Often	384	63	9,147	57	1,586	57	128,802	56					
		4	Very often	150	24	4,267	27	851	29	58,873	26					
	Total	615	100	15,858	100	2,833	100	228,352	100	<b>3.1</b>						

- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. Effect sizes for independent  $t$ -tests use Cohen's  $d$ ;  $z$ -tests use Cohen's  $h$ . Cohen's  $d$  is calculated by dividing the mean difference by the pooled standard deviation. Cohen's  $h$  is calculated by taking the difference in the proportion of students who responded "Done or in progress" after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

**8. Key to symbols:**

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

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				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	3	2	795	3	847	3	9,215	4	<b>2.9</b>	2.8 **	.22	2.9	.04	2.8 *	.17
		2	Sometimes	45	35	9,505	39	9,849	33	94,418	37							
		3	Often	42	31	8,617	36	10,199	35	90,215	35							
		4	Very often	46	33	5,256	22	8,368	30	62,409	24							
		Total		136	100	24,173	100	29,263	100	256,257	100							
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	6	4	1,223	6	1,415	5	12,212	5	<b>3.1</b>	3.0	.06	3.1	-.08	3.1	.00
		2	Often	13	10	2,893	13	3,067	10	29,308	12							
		3	Sometimes	82	60	13,407	56	15,516	51	140,556	55							
		4	Never	35	26	6,598	26	9,159	33	73,273	29							
		Total		136	100	24,121	100	29,157	100	255,349	100							
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	52	39	11,249	47	13,275	48	105,240	43	<b>1.9</b>	1.8	.14	1.8	.11	1.8	.06
		2	Sometimes	52	40	8,599	36	9,815	32	94,392	36							
		3	Often	22	15	2,734	11	3,739	12	35,370	13							
		4	Very often	10	6	1,486	6	2,267	8	19,776	7							
		Total		136	100	24,068	100	29,096	100	254,778	100							
d. Asked another student to help you understand course material	CLaskhelp	1	Never	12	9	1,829	8	4,297	18	23,295	11	<b>2.6</b>	2.7	-.03	2.4 *	.20	2.6	.04
		2	Sometimes	51	38	9,046	38	10,299	36	93,178	37							
		3	Often	45	34	8,753	36	9,388	30	90,732	34							
		4	Very often	28	19	4,422	19	5,051	16	47,195	18							
		Total		136	100	24,050	100	29,035	100	254,400	100							
e. Explained course material to one or more students	CLexplain	1	Never	4	4	1,073	5	3,124	14	15,430	7	<b>2.8</b>	2.8	.06	2.5 ***	.29	2.7	.13
		2	Sometimes	47	34	8,685	35	10,361	36	90,962	36							
		3	Often	54	41	9,756	41	10,467	34	99,912	38							
		4	Very often	31	21	4,460	19	5,030	17	47,391	19							
		Total		136	100	23,974	100	28,982	100	253,695	100							
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	20	14	3,520	15	5,565	23	37,107	16	<b>2.6</b>	2.5	.03	2.4	.16	2.5	.04
		2	Sometimes	50	35	8,510	35	9,431	32	85,223	34							
		3	Often	39	32	7,511	31	8,400	27	80,310	31							
		4	Very often	27	19	4,315	18	5,416	17	49,687	19							
		Total		136	100	23,856	100	28,812	100	252,327	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Worked with other students on course projects or assignments	CLproject	1	Never	11	8	1,605	7	3,872	17	21,025	9	<b>2.8</b>	2.7	.11	2.5 **	.27	2.6	.13
		2	Sometimes	45	34	8,996	38	9,843	34	89,123	36							
		3	Often	44	33	8,844	37	9,765	32	93,076	36							
		4	Very often	35	25	4,306	18	5,144	17	47,574	18							
		Total		135	100	23,751	100	28,624	100	250,798	100							
h. Given a course presentation	present	1	Never	21	16	4,774	21	6,506	26	47,583	20	<b>2.5</b>	2.2 **	.27	2.2 **	.27	2.3 *	.21
		2	Sometimes	51	38	10,901	46	11,533	39	109,454	43							
		3	Often	39	31	5,752	24	7,185	24	65,212	25							
		4	Very often	22	16	2,281	9	3,391	11	28,195	11							
		Total		133	100	23,708	100	28,615	100	250,444	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	5	4	1,712	8	2,786	11	20,455	9	<b>2.8</b>	2.6 *	.19	2.5 **	.23	2.6 *	.21
		2	Sometimes	50	38	9,240	40	10,996	39	97,144	40							
		3	Often	49	39	9,024	38	10,143	35	92,059	37							
		4	Very often	27	20	3,431	15	4,285	15	37,058	15							
		Total		131	100	23,407	100	28,210	100	246,716	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	15	12	2,193	10	2,587	10	22,669	10	<b>2.5</b>	2.5	-0.6	2.6	-0.13	2.6	-0.09
		2	Sometimes	55	44	9,155	40	10,398	37	94,380	39							
		3	Often	41	30	8,376	35	10,231	36	88,097	35							
		4	Very often	20	15	3,483	15	4,785	17	39,638	16							
		Total		131	100	23,207	100	28,001	100	244,784	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	15	13	2,556	12	2,782	11	25,267	12	<b>2.5</b>	2.5	-0.2	2.6	-0.11	2.6	-0.06
		2	Sometimes	51	40	8,865	39	10,023	36	90,756	38							
		3	Often	43	33	7,938	34	9,824	34	84,393	34							
		4	Very often	20	15	3,657	15	5,111	18	42,170	17							
		Total		129	100	23,016	100	27,740	100	242,586	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	7	5	1,151	5	1,139	4	10,893	5	<b>2.8</b>	2.7	.11	2.8	-0.02	2.8	.06
		2	Sometimes	41	29	7,640	34	8,341	29	76,242	32							
		3	Often	52	43	10,101	44	12,378	45	108,145	44							
		4	Very often	30	22	3,880	17	5,596	22	44,675	19							
		Total		130	100	22,772	100	27,454	100	239,955	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	2	1	655	3	712	3	6,294	3	<b>2.9</b>	2.9	.04	3.0	-.06	2.9	-.01
		2	Sometimes	39	32	6,068	28	6,770	25	61,426	26							
		3	Often	53	40	10,502	46	12,577	46	110,749	46							
		4	Very often	35	26	5,211	23	7,073	27	58,093	24							
		Total		129	100	22,436	100	27,132	100	236,562	100							
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	4	3	689	3	722	3	6,269	3	<b>2.8</b>	2.8	-.06	2.9	-.15	2.9	-.09
		2	Sometimes	43	35	6,638	31	7,690	29	68,821	30							
		3	Often	54	43	10,205	45	12,031	44	106,482	45							
		4	Very often	27	19	4,607	21	6,351	25	51,626	22							
		Total		128	100	22,139	100	26,794	100	233,198	100							
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	0	0	274	1	350	2	3,000	2	<b>3.2</b>	3.0 *	.18	3.1	.13	3.0 *	.18
		2	Sometimes	24	19	4,519	21	5,427	20	47,546	21							
		3	Often	60	46	11,126	50	13,020	48	115,557	50							
		4	Very often	43	35	5,907	27	7,716	30	64,323	28							
		Total		127	100	21,826	100	26,513	100	230,426	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	18	13	3,574	18	4,717	19	42,032	19	<b>2.4</b>	2.3	.12	2.3	.11	2.3	.13
		2	Sometimes	56	45	9,576	44	11,169	42	98,666	43							
		3	Often	31	25	5,718	25	6,822	24	57,871	25							
		4	Very often	22	16	2,973	13	3,807	14	31,758	14							
		Total		127	100	21,841	100	26,515	100	230,327	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	51	40	10,399	48	13,217	52	107,606	48	<b>2.0</b>	1.8 *	.18	1.7 **	.23	1.8	.17
		2	Sometimes	41	33	6,835	32	7,813	28	72,752	31							
		3	Often	22	19	3,065	14	3,563	13	33,180	14							
		4	Very often	11	8	1,403	6	1,758	7	15,613	7							
		Total		125	100	21,702	100	26,351	100	229,151	100							
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	29	23	6,730	31	9,099	37	70,208	32	<b>2.2</b>	2.0 **	.25	1.9 ***	.30	2.0 *	.23
		2	Sometimes	51	41	9,391	44	10,410	38	96,356	42							
		3	Often	33	26	3,877	18	4,662	17	43,109	19							
		4	Very often	13	10	1,524	7	1,948	7	17,356	8							
		Total		126	100	21,522	100	26,119	100	227,029	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
d. Discussed your academic performance with a faculty member	SFperform	1	Never	23	18	5,556	27	6,259	25	54,754	25	<b>2.2</b>	2.1	.16	2.1	.08	2.1	.08	
		2	Sometimes	67	53	9,876	46	11,820	45	102,708	45								
		3	Often	22	18	4,365	20	5,661	21	49,482	22								
		4	Very often	14	11	1,666	8	2,352	9	19,938	9								
		Total		126	100	21,463	100	26,092	100	226,882	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	1	1	631	3	976	4	8,031	4	<b>2.8</b>	2.9	-.09	2.9	-.08	2.9	-.08	
		2	Some	39	30	5,385	26	6,478	26	57,937	26								
		3	Quite a bit	63	52	9,988	46	11,630	45	102,979	46								
		4	Very much	21	17	5,321	24	6,856	25	56,434	25								
		Total		124	100	21,325	100	25,940	100	225,381	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	4	3	649	3	923	4	7,550	4	<b>2.9</b>	2.9	-.09	2.9	-.09	2.9	-.07	
		2	Some	34	28	5,420	25	6,560	26	57,071	26								
		3	Quite a bit	61	48	10,177	48	11,848	45	105,192	46								
		4	Very much	26	20	4,952	24	6,455	25	54,271	24								
		Total		125	100	21,198	100	25,786	100	224,084	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	2	2	776	4	924	4	7,775	4	<b>2.9</b>	2.9	.04	2.9	-.02	2.9	.01	
		2	Some	34	29	5,845	28	6,656	26	58,601	27								
		3	Quite a bit	59	46	9,484	45	11,347	44	100,086	45								
		4	Very much	29	23	4,905	23	6,612	26	55,357	25								
		Total		124	100	21,010	100	25,539	100	221,819	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	6	4	876	5	810	3	8,032	4	<b>2.8</b>	2.8	.03	3.0	-.15	2.9	-.06	
		2	Some	37	30	5,802	29	6,148	24	57,753	27								
		3	Quite a bit	52	42	9,660	45	11,692	46	101,183	45								
		4	Very much	29	24	4,534	21	6,734	27	53,622	24								
		Total		124	100	20,872	100	25,384	100	220,590	100								
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	3	3	804	4	854	4	7,754	4	<b>2.9</b>	2.8	.02	2.9	-.11	2.9	-.04	
		2	Some	39	34	5,815	29	6,313	25	57,733	27								
		3	Quite a bit	51	39	9,717	47	11,679	46	102,060	46								
		4	Very much	31	25	4,440	21	6,450	26	52,086	23								
		Total		124	100	20,776	100	25,296	100	219,633	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<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	2	1	420	2	522	2	4,397	2	<b>3.1</b>	3.0	.14	3.1	.03	3.1	.10
		2	Some	21	17	4,374	21	4,819	19	44,642	21							
		3	Quite a bit	58	47	9,861	48	11,255	43	101,239	46							
		4	Very much	41	34	5,949	29	8,525	35	67,771	31							
		Total		122	100	20,604	100	25,121	100	218,049	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	3	3	774	4	1,120	5	8,572	4	<b>3.0</b>	3.0	-.01	3.0	-.10	3.0	-.04
		2	Some	27	21	4,572	22	5,110	20	46,999	22							
		3	Quite a bit	68	54	9,794	47	10,905	42	99,742	45							
		4	Very much	25	22	5,415	26	7,915	33	62,067	29							
		Total		123	100	20,555	100	25,050	100	217,380	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	3	3	636	3	933	4	7,116	4	<b>3.0</b>	3.0	.05	3.1	-.01	3.0	.04
		2	Some	29	23	4,466	22	5,359	21	47,459	22							
		3	Quite a bit	49	41	9,352	46	10,293	40	94,457	43							
		4	Very much	41	33	6,055	29	8,436	35	67,953	31							
		Total		122	100	20,509	100	25,021	100	216,985	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	8	6	1,596	9	1,753	7	15,626	8	<b>2.8</b>	2.7	.08	2.9	-.13	2.8	-.01
		2	Some	39	34	6,281	32	6,706	26	63,134	29							
		3	Quite a bit	42	33	7,809	37	9,103	36	81,642	37							
		4	Very much	33	27	4,791	22	7,426	32	56,178	26							
		Total		122	100	20,477	100	24,988	100	216,580	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	10	8	1,751	9	2,019	8	18,116	9	<b>2.8</b>	2.7	.11	2.8	-.09	2.7	.03
		2	Some	34	29	6,986	35	7,331	28	68,824	32							
		3	Quite a bit	52	43	7,794	38	9,195	37	82,071	38							
		4	Very much	25	21	3,894	19	6,360	28	46,932	22							
		Total		121	100	20,425	100	24,905	100	215,943	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes		Carnegie Class	NSSE 2019 & 2020		
				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	Never	20	15	2,045	9	2,873	12	23,393	10	<b>2.5</b>	2.6	-0.08	2.6	-0.03	2.6	-0.06
		2	Sometimes	49	40	7,600	37	9,197	37	79,864	37							
		3	Often	27	22	7,618	38	8,830	36	78,227	37							
		4	Very often	25	23	2,902	15	3,735	16	31,786	16							
		Total		121	100	20,165	100	24,635	100	213,270	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	31	26	3,768	19	4,868	20	41,783	19	<b>2.2</b>	2.3	-0.16	2.3	-0.15	2.3	-0.16
		2	Sometimes	51	41	8,288	41	9,739	39	85,429	40							
		3	Often	26	23	5,858	29	7,066	29	60,948	29							
		4	Very often	13	11	2,130	11	2,832	12	23,886	12							
		Total		121	100	20,044	100	24,505	100	212,046	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	30	23	3,418	16	4,929	20	38,538	18	<b>2.2</b>	2.3 *	-0.21	2.3	-0.13	2.3 *	-0.18
		2	Sometimes	55	46	8,604	43	10,105	41	88,935	42							
		3	Often	25	21	6,045	31	6,885	28	62,583	30							
		4	Very often	11	9	1,918	10	2,474	10	21,219	10							
		Total		121	100	19,985	100	24,393	100	211,275	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>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	11	9	1,049	5	1,643	7	12,562	6	<b>5.4</b>	6.5 *	-0.20	6.7 **	-0.21	6.5 *	-0.19
		1.5	1-2	29	22	4,096	21	4,657	19	41,271	20							
		4	3-5	41	36	6,565	32	7,596	31	68,278	32							
		8	6-10	22	21	4,513	22	5,596	23	48,334	23							
		13	11-15	6	5	2,023	10	2,464	10	21,511	10							
		18	16-20	10	8	805	4	1,137	5	8,935	4							
		23	More than 20	0	0	898	5	1,279	5	9,964	5							
		Total		119	100	19,949	100	24,372	100	210,855	100							
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	56	46	6,861	35	9,039	39	74,599	37	<b>1.8</b>	2.3 *	-0.16	2.3 **	-0.17	2.3 *	-0.16
		1.5	1-2	35	30	7,653	38	8,426	33	77,296	36							
		4	3-5	18	16	3,469	17	4,230	17	37,181	17							
		8	6-10	10	8	1,273	6	1,766	7	14,474	7							
		13	11-15	0	0	414	2	499	2	4,315	2							
		18	16-20	0	0	96	1	153	1	1,067	1							
		23	More than 20	0	0	141	1	181	1	1,283	1							
Total		119	100	19,907	100	24,294	100	210,215	100									

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



# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	90	75	15,136	75	18,350	76	159,743	76	<b>.6</b>	1.0 **	-12	1.0 ***	-14	1.0 **	-13	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	19	17	3,252	16	3,797	15	33,240	15								
		4	3-5	8	6	707	4	935	4	7,881	4								
		8	6-10	1	1	375	2	575	3	4,406	2								
		13	11-15	0	0	283	2	397	2	3,220	2								
		18	16-20	0	0	60	0	96	0	725	0								
		23	More than 20	0	0	114	1	151	1	1,150	1								
	Total			118	100	19,927	100	24,301	100	210,365	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>39.5</b>	52.0	-17	54.0 ***	-19	52.5 **	-18	
<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	6	5	823	4	1,392	6	9,705	5	<b>2.9</b>	3.0	-14	3.0	-17	3.0	-17	
		2	Sometimes	39	33	5,467	27	5,587	22	51,320	24								
		3	Often	37	31	6,624	33	7,902	32	67,772	32								
		4	Very often	38	31	6,949	36	9,402	39	81,228	39								
			Total	120	100	19,863	100	24,283	100	210,025	100								
b. People from an economic background other than your own	DDeconomic	1	Never	3	2	739	4	1,320	6	9,181	5	<b>3.0</b>	3.0	-01	3.0	-01	3.0	-03	
		2	Sometimes	27	24	4,985	25	5,541	23	49,005	24								
		3	Often	55	46	7,630	38	8,734	35	76,520	36								
		4	Very often	35	28	6,461	33	8,622	36	74,807	36								
			Total	120	100	19,815	100	24,217	100	209,513	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	3	3	1,046	5	1,824	8	14,182	7	<b>3.0</b>	3.0	.01	2.9	.06	2.9	.03	
		2	Sometimes	36	31	5,318	27	6,691	27	56,353	27								
		3	Often	43	35	6,936	35	7,587	31	67,853	32								
		4	Very often	38	32	6,519	33	8,110	34	71,174	34								
			Total	120	100	19,819	100	24,212	100	209,562	100								
d. People with political views other than your own	DDpolitical	1	Never	4	3	1,107	5	1,833	8	14,609	7	<b>3.0</b>	2.9	.10	2.9	.12	2.9	.13	
		2	Sometimes	28	23	5,634	29	6,668	27	60,793	29								
		3	Often	52	43	6,856	34	7,843	32	68,067	32								
		4	Very often	36	31	6,218	31	7,888	33	66,174	32								
			Total	120	100	19,815	100	24,232	100	209,643	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				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	3	3	390	2	447	2	3,886	2	<b>2.9</b>	3.0	-.01	3.1	-.16	3.0	-.07
		2	Sometimes	30	24	4,735	25	5,012	20	46,786	23							
		3	Often	60	50	9,497	47	11,335	46	99,657	47							
		4	Very often	27	24	5,084	25	7,312	31	57,946	27							
		Total		120	100	19,706	100	24,106	100	208,275	100							
b. Reviewed your notes after class	LSnotes	1	Never	6	6	858	5	961	4	9,072	5	<b>2.8</b>	2.9	-.04	3.0 *	-.19	2.9	-.09
		2	Sometimes	37	32	5,820	31	6,189	25	59,871	29							
		3	Often	41	34	7,092	36	8,753	36	75,572	36							
		4	Very often	35	27	5,913	28	8,176	34	63,540	30							
		Total		119	100	19,683	100	24,079	100	208,055	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	8	8	1,108	6	1,259	5	11,559	6	<b>2.7</b>	2.8	-.05	2.9 *	-.20	2.8	-.10
		2	Sometimes	42	34	6,118	32	6,663	27	63,254	31							
		3	Often	40	34	7,669	39	9,301	38	80,742	39							
		4	Very often	30	24	4,780	23	6,865	29	52,517	25							
		Total		120	100	19,675	100	24,088	100	208,072	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	1	1	147	1	184	1	1,604	1	<b>5.4</b>	5.4	.01	5.6	-.13	5.4	-.03
		2		0	0	200	1	261	1	2,121	1							
		3		5	4	867	5	990	4	8,878	5							
		4		13	11	2,339	12	2,653	11	24,206	12							
		5		49	42	6,899	36	7,351	30	69,916	33							
		6		27	23	5,089	26	5,942	24	53,261	25							
		7	Very much	25	19	4,023	20	6,567	29	46,842	23							
		Total		120	100	19,564	100	23,948	100	206,828	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		11	9	2,550	13	3,626	17	26,624	14	<b>9%</b>	7%	.05	8%	.04	7%	.05
		Do not plan to do		4	3	970	5	1,466	7	10,801	6							
		Plan to do		95	79	14,734	75	17,082	69	154,065	73							
		Done or in progress		10	9	1,261	7	1,731	8	14,803	7							
		Total		120	100	19,515	100	23,905	100	206,293	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes		Carnegie Class	NSSE 2019 & 2020		
				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	37	30	5,548	27	7,102	31	57,307	28	<b>16%</b>	11%	.13	9% *	.19	10%	.16
			Do not plan to do	28	24	4,726	23	6,088	26	47,631	24							
			Plan to do	35	30	7,184	38	8,288	34	79,473	38							
			Done or in progress	20	16	1,995	11	2,365	9	21,338	10							
			Total	120	100	19,453	100	23,843	100	205,749	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	45	37	6,172	31	8,254	35	68,444	33	<b>10%</b>	17% *	-.20	11%	-.03	13%	-.08
			Do not plan to do	34	29	5,477	29	6,278	27	54,654	27							
			Plan to do	28	24	4,581	23	6,463	27	56,265	27							
			Done or in progress	13	10	3,164	17	2,761	11	25,685	13							
			Total	120	100	19,394	100	23,756	100	205,048	100							
d. Participate in a study abroad program	abroad	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	39	33	5,572	29	6,893	29	57,172	28	<b>6%</b>	3% *	.18	3% *	.18	3% *	.18
			Do not plan to do	42	36	5,740	30	7,491	34	55,740	29							
			Plan to do	33	25	7,602	39	8,681	34	86,523	40							
			Done or in progress	6	6	499	3	685	3	5,634	3							
			Total	120	100	19,413	100	23,750	100	205,069	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	45	38	7,582	38	9,462	40	77,947	38	<b>6%</b>	5%	.03	4%	.09	5%	.05
			Do not plan to do	34	29	4,787	24	6,489	28	48,032	24							
			Plan to do	34	27	6,162	33	6,888	28	69,725	33							
			Done or in progress	7	6	865	5	898	4	9,314	5							
			Total	120	100	19,396	100	23,737	100	205,018	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	24	6,920	36	8,446	37	67,547	34	<b>5%</b>	2% *	.17	2% *	.15	2% *	.16
			Do not plan to do	13	13	2,186	12	2,973	13	21,919	12							
			Plan to do	74	58	9,950	51	11,832	48	111,603	53							
			Done or in progress	5	5	343	2	469	2	3,779	2							
			Total	120	100	19,399	100	23,720	100	204,848	100							
12. About how many of your courses at this institution have included a community-based project (service-learning)?	servcourse	1 None	None	66	56	9,907	52	10,368	47	96,089	48	<b>1.6</b>	1.6	-.02	1.7	-.16	1.6	-.12
			2 Some	39	33	7,901	40	10,613	42	88,779	43							
			3 Most	13	11	1,267	6	2,084	8	15,611	8							
			4 All	0	0	255	1	549	3	3,447	2							
			Total	118	100	19,330	100	23,614	100	203,926	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
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>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	2	2	250	1	328	2	2,879	2	<b>5.4</b>	5.4	.01	5.5	-.08	5.4	-.03	
		2		4	3	373	2	472	2	3,758	2								
		3		3	3	933	5	1,068	4	9,216	5								
		4		9	7	2,348	12	2,735	11	23,612	12								
		5		42	37	5,524	28	5,881	25	54,352	27								
		6		32	26	5,358	28	5,836	24	55,124	26								
		7	Excellent	25	22	4,403	23	6,727	30	51,820	25								
		—	Not applicable	0	0	108	1	547	3	2,943	2								
			Total	117	100	19,297	100	23,594	100	203,704	100								
b. Academic advisors	QIadvisor	1	Poor	5	4	503	3	613	3	5,155	3	<b>5.3</b>	5.4	-.04	5.5	-.12	5.4	-.04	
		2		4	3	667	3	829	3	7,190	4								
		3		6	6	1,218	6	1,389	6	13,186	6								
		4		14	12	2,409	13	2,675	11	25,322	12								
		5		25	21	3,900	20	4,418	18	41,257	20								
		6		32	27	4,359	23	5,006	21	44,400	22								
		7	Excellent	29	27	5,833	30	8,212	36	62,741	31								
		—	Not applicable	1	1	379	2	431	2	4,194	2								
			Total	116	100	19,268	100	23,573	100	203,445	100								
c. Faculty	QIfaculty	1	Poor	1	1	218	1	322	1	2,757	2	<b>5.6</b>	5.3 **	.21	5.5	.06	5.4 *	.16	
		2		1	1	427	2	522	2	4,337	2								
		3		2	2	1,014	5	1,091	5	9,978	5								
		4		12	10	2,554	13	2,805	12	25,251	13								
		5		28	23	5,443	28	5,591	23	52,370	26								
		6		50	43	5,530	29	6,323	26	57,834	28								
		7	Excellent	22	19	3,911	20	6,585	30	48,654	24								
		—	Not applicable	1	1	162	1	341	2	2,184	1								
			Total	117	100	19,259	100	23,580	100	203,365	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	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	1	1	504	3	717	3	5,932	3	<b>5.3</b>	5.2	.06	5.3	-.01	5.2	.05	
		2		4	4	590	3	754	3	6,629	3								
		3		6	6	1,210	6	1,359	5	12,624	6								
		4		12	10	2,511	13	2,767	11	26,367	13								
		5		36	31	4,386	23	4,732	19	44,305	21								
		6		23	20	4,296	22	4,739	19	44,195	21								
		7	Excellent	24	20	3,845	20	5,715	24	44,637	22								
		—	Not applicable	11	9	1,931	10	2,778	15	18,650	10								
	Total	117	100	19,273	100	23,561	100	203,339	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	3	3	524	3	716	3	6,138	3	<b>5.2</b>	5.1	.06	5.3	-.07	5.2	.03	
		2		1	1	668	3	880	4	7,523	4								
		3		9	7	1,248	7	1,529	6	13,647	7								
		4		15	13	2,708	14	2,958	12	28,065	14								
		5		35	29	4,357	22	4,923	20	44,968	22								
		6		24	19	4,113	21	4,857	20	43,881	21								
		7	Excellent	23	20	3,701	19	6,204	28	44,536	22								
		—	Not applicable	7	6	1,936	11	1,504	7	14,642	8								
	Total	117	100	19,255	100	23,571	100	203,400	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	5	4	253	1	365	2	3,043	2	<b>3.1</b>	3.1	-.05	3.1	-.04	3.1	-.03	
		2	Some	20	15	3,464	18	4,390	19	37,337	19								
		3	Quite a bit	57	50	9,452	49	11,179	47	97,472	48								
		4	Very much	35	30	6,026	31	7,551	32	64,695	31								
			Total	117	100	19,195	100	23,485	100	202,547	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	2	605	3	874	4	6,550	4	<b>3.1</b>	3.0	.08	3.1	-.01	3.0	.05	
		2	Some	27	22	4,052	22	4,547	19	41,233	21								
		3	Quite a bit	49	42	8,420	44	9,547	40	86,522	42								
		4	Very much	39	34	6,066	30	8,450	37	67,687	33								
			Total	117	100	19,143	100	23,418	100	201,992	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	11	9	937	5	1,231	6	10,205	5	<b>3.0</b>	3.1	-.13	3.1 *	-.21	3.1	-.16	
		2	Some	25	20	3,371	19	3,908	17	35,173	18								
		3	Quite a bit	43	36	7,464	39	8,553	36	76,434	38								
		4	Very much	38	34	7,357	37	9,697	42	80,072	39								
			Total	117	100	19,129	100	23,389	100	201,884	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 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	19	17	1,974	11	2,483	11	20,712	11	<b>2.6</b>	2.7	-0.18	2.8 *	-0.25	2.8 *	-0.21
		2	Some	40	35	5,637	30	6,209	26	56,714	28							
		3	Quite a bit	28	23	6,755	35	8,071	34	71,462	35							
		4	Very much	30	25	4,724	24	6,586	29	52,730	26							
		Total		117	100	19,090	100	23,349	100	201,618	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	5	5	906	5	1,536	7	10,937	6	<b>2.9</b>	3.0	-0.11	3.0	-0.11	3.0	-0.10
		2	Some	34	30	4,417	24	5,074	22	45,501	23							
		3	Quite a bit	47	40	7,968	41	8,975	37	81,389	40							
		4	Very much	31	26	5,783	30	7,745	33	63,417	31							
		Total		117	100	19,074	100	23,330	100	201,244	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	6	5	1,213	7	1,810	9	13,271	7	<b>2.8</b>	2.9	-0.08	2.9	-0.08	2.9	-0.10
		2	Some	36	30	4,611	25	5,383	24	47,287	24							
		3	Quite a bit	49	43	7,811	41	8,734	37	79,180	39							
		4	Very much	26	23	5,402	28	7,344	31	61,230	30							
		Total		117	100	19,037	100	23,271	100	200,968	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	34	29	4,255	23	5,078	22	42,526	22	<b>2.1</b>	2.3	-0.14	2.4 **	-0.24	2.3 *	-0.21
		2	Some	42	38	7,264	39	8,141	34	73,648	36							
		3	Quite a bit	30	24	5,088	26	6,333	27	55,764	27							
		4	Very much	11	10	2,416	12	3,697	17	28,919	14							
		Total		117	100	19,023	100	23,249	100	200,857	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	8	7	1,572	8	3,119	17	18,587	10	<b>2.7</b>	2.8	-0.10	2.7	.02	2.8	-0.09
		2	Some	41	35	5,311	28	5,526	24	51,542	26							
		3	Quite a bit	47	40	7,427	39	8,286	34	76,704	37							
		4	Very much	21	19	4,698	24	6,282	26	53,791	26							
		Total		117	100	19,008	100	23,213	100	200,624	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	24	21	3,189	17	4,416	21	32,466	17	<b>2.3</b>	2.4	-0.17	2.4 *	-0.16	2.5 *	-0.21
		2	Some	47	40	7,187	38	7,602	32	70,570	35							
		3	Quite a bit	37	31	5,815	30	7,068	29	63,660	31							
		4	Very much	9	8	2,810	14	4,144	17	33,913	16							
		Total		117	100	19,001	100	23,230	100	200,609	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>15. To what extent do you agree or disagree with the following statements?</b>																		
a. I feel comfortable being myself at this institution.	SBmyself <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	2	2	198	2	257	3	2,363	2	<b>3.3</b>	3.2	.02	3.3	-.02	3.3	-.01
		2	Disagree	7	6	842	8	874	8	9,504	8							
		3	Agree	66	56	6,288	55	5,660	49	63,452	52							
		4	Strongly agree	42	36	3,980	36	4,460	40	46,198	38							
		Total		117	100	11,308	100	11,251	100	121,517	100							
b. I feel valued by this institution.	SBvalued <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	3	3	351	3	359	3	3,995	4	<b>3.0</b>	3.0	.09	3.1	-.08	3.0	.02
		2	Disagree	18	15	2,002	18	1,610	14	19,436	16							
		3	Agree	70	59	6,589	57	6,008	53	68,072	56							
		4	Strongly agree	26	23	2,357	21	3,259	29	29,878	24							
		Total		117	100	11,299	100	11,236	100	121,381	100							
c. I feel like part of the community at this institution.	SBcommunity <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	7	6	396	4	452	4	4,373	4	<b>3.0</b>	3.0	-.01	3.0	-.10	3.0	-.06
		2	Disagree	16	14	2,087	18	1,774	16	20,136	17							
		3	Agree	67	57	6,235	54	5,744	50	64,470	53							
		4	Strongly agree	27	23	2,595	24	3,276	29	32,541	26							
		Total		117	100	11,313	100	11,246	100	121,520	100							
<b>16. 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 <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	1	1	67	0	115	1	758	0	<b>14.5</b>	15.1	-.06	14.1	.06	14.4	.02
		3	1-5 hrs	15	13	2,126	11	3,183	15	24,311	13							
		8	6-10 hrs	22	20	4,306	22	5,383	24	45,088	23							
		13	11-15 hrs	32	28	4,373	23	5,214	22	45,537	23							
		18	16-20 hrs	19	16	3,820	20	4,394	18	39,536	19							
		23	21-25 hrs	14	11	2,185	12	2,458	10	23,074	11							
		28	26-30 hrs	7	6	1,042	6	1,262	5	10,894	5							
		33	More than 30 hrs	6	6	1,020	6	1,131	5	10,600	5							
Total		116	100	18,939	100	23,140	100	199,798	100									
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	39	33	6,227	31	8,751	41	63,856	34	<b>5.3</b>	5.4	-.01	5.1	.03	5.6	-.04
		3	1-5 hrs	46	38	6,723	35	6,858	28	65,115	31							
		8	6-10 hrs	12	11	2,954	17	3,298	13	31,750	16							
		13	11-15 hrs	9	7	1,449	8	1,895	8	18,151	9							
		18	16-20 hrs	6	6	829	5	1,137	5	10,613	5							
		23	21-25 hrs	1	1	408	3	586	2	5,214	3							
		28	26-30 hrs	0	0	130	1	230	1	1,894	1							
33	More than 30 hrs	3	3	184	1	310	1	2,664	1									
Total		116	100	18,904	100	23,065	100	199,257	100									

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### First-Year Students

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

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

				Your first-year students compared with															
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
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>	
c. Working for pay on campus	tmworkonhrs	0	0 hrs	92	80	14,896	78	18,526	82	155,384	80	<b>2.9</b>	2.6	.03	2.1	.13	2.4	.07	
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	4	3	583	3	904	3	8,907	4								
	8	6-10 hrs	5	5	1,208	7	1,392	5	14,411	6									
	13	11-15 hrs	4	4	1,101	6	1,037	4	10,036	5									
	18	16-20 hrs	6	5	708	4	754	3	6,568	3									
	23	21-25 hrs	2	1	269	2	250	1	2,287	1									
	28	26-30 hrs	1	1	57	0	90	0	647	0									
	33	More than 30 hrs	1	1	76	0	120	1	1,096	1									
	Total				115	100	18,898	100	23,073	100	199,336								100
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	73	62	12,101	67	14,066	60	134,503	66	<b>6.6</b>	5.4	.14	8.1	-.12	5.9	.07	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	3	2	860	4	1,099	4	9,433	5								
	8	6-10 hrs	7	6	1,145	5	1,322	5	10,756	5									
	13	11-15 hrs	13	12	1,264	6	1,376	5	11,172	6									
	18	16-20 hrs	5	4	1,380	7	1,446	6	11,600	6									
	23	21-25 hrs	5	5	986	5	1,019	4	8,214	4									
	28	26-30 hrs	3	3	529	2	623	3	4,522	2									
	33	More than 30 hrs	6	6	657	3	2,153	12	9,353	6									
	Total				115	100	18,922	100	23,104	100	199,553								100
Estimated number of hours working for pay	tmworkhrs										<b>9.3</b>	8.0	.12	10.2	-.07	8.3	.08		
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	70	62	11,238	60	12,638	55	116,947	59	<b>2.5</b>	2.3	.03	2.9	-.08	2.5	-.01	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	31	26	5,696	29	7,171	30	58,872	29								
	8	6-10 hrs	6	5	974	5	1,669	7	11,817	6									
	13	11-15 hrs	4	3	468	2	740	3	5,673	3									
	18	16-20 hrs	3	3	267	2	430	2	3,067	2									
	23	21-25 hrs	0	0	152	1	179	1	1,562	1									
	28	26-30 hrs	0	0	37	0	87	0	521	0									
	33	More than 30 hrs	1	1	78	0	169	1	994	1									
	Total				115	100	18,910	100	23,083	100	199,453								100

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



# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	trelaxhrs	0	0 hrs	0	0	251	1	673	3	3,744	2	<b>14.7</b>	13.3	.16	11.8 ***	.32	12.6 **	.24
	(Recorded version of trelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	16	13	3,310	17	5,315	24	40,367	20							
	8	6-10 hrs	31	26	5,100	26	6,078	25	53,610	26								
	13	11-15 hrs	25	21	4,146	22	4,609	19	42,389	21								
	18	16-20 hrs	20	19	2,896	16	2,989	13	28,290	14								
	23	21-25 hrs	7	7	1,409	8	1,356	6	12,984	7								
	28	26-30 hrs	5	4	588	3	628	3	5,527	3								
	33	More than 30 hrs	10	10	1,217	7	1,436	7	12,516	7								
	Total			114	100	18,917	100	23,084	100	199,427	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	95	84	14,961	80	15,842	65	152,806	75	<b>2.0</b>	1.9	.01	5.6 ***	-.34	3.1	-.14
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	5	1,851	9	2,517	11	19,529	10							
	8	6-10 hrs	2	2	756	4	1,123	5	8,422	5								
	13	11-15 hrs	5	5	489	2	755	3	5,867	3								
	18	16-20 hrs	2	1	316	2	520	3	3,555	2								
	23	21-25 hrs	1	1	173	1	304	2	2,019	1								
	28	26-30 hrs	0	0	49	0	171	1	849	1								
	33	More than 30 hrs	2	2	278	1	1,800	10	6,056	4								
	Total			113	100	18,873	100	23,032	100	199,103	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	31	28	7,196	38	11,929	54	89,880	43	<b>4.9</b>	4.1	.13	3.4 **	.25	4.1	.13
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	57	49	7,212	39	6,499	26	66,323	34							
	8	6-10 hrs	13	11	2,513	13	2,438	10	22,610	12								
	13	11-15 hrs	4	4	982	5	989	4	9,657	5								
	18	16-20 hrs	5	4	416	2	471	2	4,569	2								
	23	21-25 hrs	1	1	229	1	258	1	2,378	1								
	28	26-30 hrs	1	1	101	1	120	1	989	1								
	33	More than 30 hrs	2	2	263	1	367	2	3,073	2								
	Total			114	100	18,912	100	23,071	100	199,479	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020						
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
<b>17. 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	19	17	2,494	14	2,513	11	22,773	12	<b>2.5</b>	2.6	-0.12	2.8 **	-0.31	2.7 *	-0.22			
		2	Some	44	38	6,863	38	7,417	31	67,890	35										
		3	About half	32	28	5,349	27	7,074	31	57,813	29										
		4	Most	16	14	3,095	16	4,396	19	37,292	18										
		5	Almost all	3	3	1,078	5	1,644	8	13,345	6										
			Total	114	100	18,879	100	23,044	100	199,113	100										
	tmreadinghrs			<b>5.6</b>																	
	<i>(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)</i>																				
	tmreadinghrscol	1	0 hrs	1	1	66	0	111	1	735	0										
		2	More than zero, up to 5 hrs	61	53	9,961	53	11,646	51	99,968	52										
		3	More than 5, up to 10 hrs	38	33	5,448	29	6,555	28	58,440	29										
		4	More than 10, up to 15 hrs	7	6	1,733	9	2,384	10	20,369	10										
		5	More than 15, up to 20 hrs	5	5	881	5	1,167	5	10,146	5										
		6	More than 20, up to 25 hrs	2	2	545	3	759	4	6,214	3										
		7	More than 25 hrs	0	0	173	1	325	2	2,435	1										
			Total	114	100	18,807	100	22,947	100	198,307	100										
<b>18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																					
a. Writing clearly and effectively	pgwrite	1	Very little	15	14	1,463	9	1,274	6	13,504	7	<b>2.5</b>	2.7 *	-0.21	2.9 ***	-0.49	2.8 ***	-0.33			
		2	Some	38	35	5,621	31	5,748	24	55,460	28										
		3	Quite a bit	44	38	7,959	41	9,673	42	85,064	42										
		4	Very much	16	14	3,733	19	6,208	29	44,212	22										
			Total	113	100	18,776	100	22,903	100	198,240	100										

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
b. Speaking clearly and effectively	pgspeak	1	Very little	9	7	2,247	13	2,103	9	20,465	11	<b>2.7</b>	2.6	.10	2.8	-.12	2.7	-.02
		2	Some	38	35	6,243	33	6,711	28	61,565	31							
		3	Quite a bit	47	42	6,954	36	8,595	37	75,560	38							
		4	Very much	19	16	3,349	18	5,498	25	40,616	21							
		Total		113	100	18,793	100	22,907	100	198,206	100							
c. Thinking critically and analytically	pgthink	1	Very little	3	3	542	3	625	3	5,727	3	<b>2.9</b>	3.1	-.14	3.1 **	-.25	3.1	-.16
		2	Some	31	28	3,623	20	3,953	17	37,311	19							
		3	Quite a bit	46	40	8,623	45	10,099	43	89,536	44							
		4	Very much	33	29	5,992	32	8,259	37	65,692	33							
		Total		113	100	18,780	100	22,936	100	198,266	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	20	16	2,179	11	2,910	13	24,750	12	<b>2.4</b>	2.7 **	-.29	2.7 **	-.26	2.7 **	-.27
		2	Some	48	42	5,904	31	7,085	30	61,158	30							
		3	Quite a bit	29	26	6,822	36	7,871	34	70,813	36							
		4	Very much	16	16	3,880	22	5,041	23	41,487	22							
		Total		113	100	18,785	100	22,907	100	198,208	100							
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	12	10	2,467	14	2,718	12	25,111	13	<b>2.8</b>	2.6 *	.20	2.7	.05	2.6	.15
		2	Some	30	26	6,309	34	6,961	29	63,465	32							
		3	Quite a bit	46	43	6,488	34	7,903	34	69,265	35							
		4	Very much	24	22	3,512	19	5,342	25	40,416	21							
		Total		112	100	18,776	100	22,924	100	198,257	100							
f. Working effectively with others	pgothers	1	Very little	5	5	1,129	7	1,388	7	11,937	7	<b>2.8</b>	2.8	.01	2.9	-.10	2.9	-.03
		2	Some	39	33	5,090	28	5,709	24	52,233	27							
		3	Quite a bit	40	37	8,010	42	9,240	39	82,752	41							
		4	Very much	29	25	4,559	24	6,568	30	51,244	26							
		Total		113	100	18,788	100	22,905	100	198,166	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	20	19	2,213	13	1,997	9	20,280	11	<b>2.5</b>	2.6	-.17	2.8 ***	-.40	2.7 **	-.27
		2	Some	36	31	5,783	31	5,930	25	56,018	28							
		3	Quite a bit	39	34	7,112	37	8,751	37	75,731	37							
		4	Very much	18	16	3,683	19	6,227	28	46,084	23							
		Total		113	100	18,791	100	22,905	100	198,113	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020													
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>												
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	14	13	1,636	10	1,809	8	17,071	9	<b>2.6</b>	2.8	-0.18	2.9 ***	-0.33	2.8 *	-0.23												
		2	Some	38	34	5,336	29	5,670	24	53,454	27																			
		3	Quite a bit	38	35	7,232	38	8,579	36	74,905	37																			
		4	Very much	23	19	4,581	24	6,854	31	52,740	27																			
		Total		113	100	18,785	100	22,912	100	198,170	100																			
i. Solving complex real-world problems	pgprobsolve	1	Very little	12	11	2,154	12	2,334	11	21,048	11	<b>2.6</b>	2.6	.03	2.7	-0.09	2.7	-0.03												
		2	Some	39	34	6,330	34	7,183	31	64,400	32																			
		3	Quite a bit	39	34	6,806	35	8,125	35	71,956	36																			
		4	Very much	23	20	3,489	19	5,290	24	40,826	21																			
		Total		113	100	18,779	100	22,932	100	198,230	100																			
j. Being an informed and active citizen	pgcitizen	1	Very little	14	11	2,418	14	2,443	11	22,426	12	<b>2.5</b>	2.6	-0.09	2.7 **	-0.25	2.7	-0.17												
		2	Some	44	42	6,171	33	6,895	30	62,983	32																			
		3	Quite a bit	38	33	6,647	35	7,958	34	70,617	35																			
		4	Very much	16	14	3,569	19	5,652	25	42,435	21																			
		Total		112	100	18,805	100	22,948	100	198,461	100																			
<b>19. How would you evaluate your entire educational experience at this institution?</b>				<b>3.2</b>		18,866		23,058		199,274		3.1		.02		3.3		-0.13		3.2		-0.03								
evalexp	1	Poor	1																					1	369	2	435	2	3,581	2
	2	Fair	17																					14	2,547	14	2,622	11	25,597	13
	3	Good	60																					55	9,955	51	10,767	45	98,568	49
	4	Excellent	35																					31	5,995	32	9,234	41	71,528	35
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>				<b>3.2</b>		18,955		23,126		200,094		3.2		.01		3.3		-0.08		3.2		-0.01								
sameinst	1	Definitely no	5																					5	605	3	815	4	6,921	4
	2	Probably no	8																					7	2,362	12	2,713	11	25,079	13
	3	Probably yes	57																					51	8,505	45	9,227	39	84,598	42
	4	Definitely yes	43																					37	7,483	39	10,371	46	83,496	41
<b>21. Do you intend to return to this institution next year?<sup>f</sup></b>				<b>87%</b>		18,982		23,171		200,457		88%		-0.04		88%		-0.05		88%		-0.04								
returnexp	No		9																					9	909	5	980	4	8,030	4
	Yes		98																					87	16,782	88	20,477	88	177,257	88
	Not sure		6																					4	1,291	7	1,714	8	15,170	8
	Total		113	100																										

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				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	18	3	711	3	927	2	8,250	3	<b>3.1</b>	3.0 ***	.18	3.2	-.08	3.1 **	.11
		2	Sometimes	126	22	7,452	30	8,829	21	77,912	27							
		3	Often	193	33	8,476	33	12,112	29	93,659	31							
		4	Very often	256	42	9,407	35	18,252	47	116,403	39							
		Total		593	100	26,046	100	40,120	100	296,224	100							
b. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	36	6	1,814	8	2,197	5	18,681	6	<b>3.2</b>	2.9 ***	.30	3.2	.01	3.0 ***	.18
		2	Often	54	9	3,957	16	4,577	11	39,673	14							
		3	Sometimes	275	47	13,835	53	19,282	47	154,913	52							
		4	Never	227	38	6,373	23	13,896	37	81,891	28							
		Total		592	100	25,979	100	39,952	100	295,158	100							
c. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	352	59	12,770	48	21,523	56	139,251	49	<b>1.6</b>	1.7 ***	-.17	1.6	-.06	1.7 ***	-.17
		2	Sometimes	160	27	9,165	36	12,340	30	102,629	34							
		3	Often	52	9	2,510	10	3,647	9	32,209	10							
		4	Very often	30	5	1,492	6	2,425	6	20,576	7							
		Total		594	100	25,937	100	39,935	100	294,665	100							
d. Asked another student to help you understand course material	CLaskhelp	1	Never	109	18	2,945	12	10,487	27	44,047	16	<b>2.3</b>	2.5 ***	-.25	2.2 **	.11	2.4 ***	-.14
		2	Sometimes	263	44	10,691	41	15,079	39	118,784	41							
		3	Often	154	26	8,087	31	9,260	22	85,098	28							
		4	Very often	68	11	4,189	16	5,106	12	46,487	15							
		Total		594	100	25,912	100	39,932	100	294,416	100							
e. Explained course material to one or more students	CLexplain	1	Never	63	10	1,228	5	6,658	16	23,703	8	<b>2.6</b>	2.8 ***	-.21	2.5 ***	.16	2.7 *	-.09
		2	Sometimes	221	37	8,594	33	14,235	37	99,638	34							
		3	Often	193	33	10,259	39	11,979	29	107,439	36							
		4	Very often	118	20	5,766	23	7,007	17	63,253	21							
		Total		595	100	25,847	100	39,879	100	294,033	100							
f. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	129	22	4,333	17	11,952	31	56,053	20	<b>2.4</b>	2.5 **	-.13	2.2 **	.12	2.5 *	-.09
		2	Sometimes	207	35	8,963	35	11,889	31	96,617	33							
		3	Often	160	28	7,571	29	9,210	23	82,222	27							
		4	Very often	95	16	4,888	19	6,658	16	57,865	19							
		Total		591	100	25,755	100	39,709	100	292,757	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State Mean	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Worked with other students on course projects or assignments	CLproject	1	Never	40	7	1,351	6	5,960	14	25,933	9	<b>2.9</b>	2.9	-.04	2.7 ***	.20	2.8	.06
		2	Sometimes	166	28	7,053	28	12,050	30	80,796	28							
		3	Often	213	36	9,643	37	12,265	31	103,213	35							
		4	Very often	171	29	7,637	30	9,296	25	81,751	28							
		Total		590	100	25,684	100	39,571	100	291,693	100							
h. Given a course presentation	present	1	Never	66	12	2,506	11	7,733	20	34,473	13	<b>2.7</b>	2.7	.07	2.5 ***	.24	2.7	.08
		2	Sometimes	170	29	8,386	34	12,364	31	89,416	32							
		3	Often	196	33	8,532	32	11,109	28	93,812	31							
		4	Very often	157	26	6,227	23	8,335	21	73,719	24							
		Total		589	100	25,651	100	39,541	100	291,420	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	30	5	807	3	2,053	5	11,403	4	<b>2.9</b>	2.9	-.04	2.9	.04	2.9	-.02
		2	Sometimes	152	26	6,705	27	11,395	29	78,335	28							
		3	Often	252	43	10,909	43	15,486	39	118,506	41							
		4	Very often	151	26	7,000	27	10,301	26	80,661	27							
		Total		585	100	25,421	100	39,235	100	288,905	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	46	8	1,875	8	2,477	7	19,224	8	<b>2.6</b>	2.7 *	-.09	2.8 ***	-.22	2.8 ***	-.15
		2	Sometimes	211	37	8,145	33	11,469	29	88,628	32							
		3	Often	220	37	9,236	36	14,781	37	105,960	36							
		4	Very often	107	18	6,003	23	10,376	27	73,860	25							
		Total		584	100	25,259	100	39,103	100	287,672	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	70	13	3,208	14	3,662	10	32,410	13	<b>2.5</b>	2.6	-.05	2.7 ***	-.23	2.6 **	-.11
		2	Sometimes	225	39	8,767	36	12,630	32	96,899	34							
		3	Often	195	33	7,733	30	13,248	34	91,835	31							
		4	Very often	93	15	5,370	20	9,358	24	64,816	22							
		Total		583	100	25,078	100	38,898	100	285,960	100							
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	38	7	1,236	5	1,322	3	12,059	5	<b>2.7</b>	2.8 ***	-.14	2.9 ***	-.29	2.8 ***	-.20
		2	Sometimes	195	34	7,629	30	10,578	27	81,775	29							
		3	Often	258	44	10,796	43	17,026	44	124,288	43							
		4	Very often	93	15	5,249	21	9,762	26	65,917	23							
		Total		584	100	24,910	100	38,688	100	284,039	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	23	4	709	3	836	2	7,266	3	<b>2.8</b>	2.9 **	-0.14	3.0 ***	-0.25	3.0 ***	-0.19	
		2	Sometimes	166	29	6,186	25	8,729	23	65,906	24								
		3	Often	262	45	11,118	45	17,583	45	127,509	45								
		4	Very often	126	21	6,647	26	11,248	30	80,534	28								
		Total		577	100	24,660	100	38,396	100	281,215	100								
f. Learned something that changed the way you understand an issue or concept	RNewview	1	Never	18	3	514	2	685	2	5,355	2	<b>2.8</b>	2.9 ***	-0.16	3.0 ***	-0.23	3.0 ***	-0.20	
		2	Sometimes	190	34	6,398	27	9,466	25	70,395	26								
		3	Often	233	41	11,186	45	16,973	44	125,509	45								
		4	Very often	128	22	6,327	26	10,943	29	77,262	27								
		Total		569	100	24,425	100	38,067	100	278,521	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	10	2	220	1	324	1	2,461	1	<b>3.1</b>	3.2	-0.08	3.2 ***	-0.19	3.2 **	-0.12	
		2	Sometimes	86	16	3,745	16	5,222	14	41,024	15								
		3	Often	296	52	11,645	48	17,380	45	129,755	47								
		4	Very often	174	30	8,568	35	14,920	40	103,059	37								
		Total		566	100	24,178	100	37,846	100	276,299	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	94	17	3,839	17	7,705	21	44,829	18	<b>2.6</b>	2.4 **	.13	2.4 ***	.19	2.5 *	.10	
		2	Sometimes	183	32	9,561	40	14,423	38	105,884	39								
		3	Often	167	30	6,059	24	8,770	23	69,931	24								
		4	Very often	124	21	4,711	18	6,959	18	55,593	19								
		Total		568	100	24,170	100	37,857	100	276,237	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	253	44	9,732	41	18,859	52	112,877	43	<b>1.9</b>	2.0	-0.06	1.8 **	.13	2.0	-0.03	
		2	Sometimes	161	29	7,425	31	9,899	25	83,392	30								
		3	Often	92	17	4,048	17	5,156	13	45,857	16								
		4	Very often	61	10	2,847	12	3,839	10	33,184	12								
		Total		567	100	24,052	100	37,753	100	275,310	100								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	150	26	5,891	25	13,427	38	72,559	28	<b>2.2</b>	2.2	.01	2.0 ***	.20	2.2	.03	
		2	Sometimes	224	40	10,301	43	13,476	35	109,564	40								
		3	Often	127	23	5,047	21	6,807	17	59,013	21								
		4	Very often	60	11	2,670	11	3,799	10	32,280	11								
		Total		561	100	23,909	100	37,509	100	273,416	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Discussed your academic performance with a faculty member	SFperform	1	Never	120	21	5,803	26	9,625	26	60,395	23	<b>2.3</b>	2.1 ***	.14	2.1 **	.12	2.2	.04
		2	Sometimes	238	43	10,594	44	16,296	44	118,751	43							
		3	Often	145	26	5,069	20	7,723	20	62,277	22							
		4	Very often	60	10	2,437	9	3,871	10	32,039	11							
		Total		563	100	23,903	100	37,515	100	273,462	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	55	10	1,701	7	3,587	10	20,789	8	<b>2.6</b>	2.8 ***	-.17	2.7	-.07	2.8 ***	-.18
		2	Some	207	38	7,396	32	11,952	32	83,420	31							
		3	Quite a bit	193	35	9,438	40	14,247	38	107,511	39							
		4	Very much	99	17	5,215	21	7,574	20	60,284	22							
		Total		554	100	23,750	100	37,360	100	272,004	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	20	4	670	3	858	2	7,236	3	<b>3.0</b>	3.1 *	-.11	3.1 ***	-.17	3.1 **	-.13
		2	Some	131	23	4,758	20	6,965	19	53,077	20							
		3	Quite a bit	251	45	10,821	45	16,868	45	122,845	45							
		4	Very much	151	27	7,438	31	12,545	33	87,803	32							
		Total		553	100	23,687	100	37,236	100	270,961	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	33	6	829	4	1,000	3	8,303	3	<b>2.9</b>	3.0 ***	-.15	3.1 ***	-.26	3.0 ***	-.21
		2	Some	146	26	5,369	23	7,543	20	57,465	21							
		3	Quite a bit	238	44	10,401	44	16,283	44	117,799	44							
		4	Very much	137	24	6,901	29	12,164	33	85,273	31							
		Total		554	100	23,500	100	36,990	100	268,840	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	25	5	1,364	7	1,218	3	12,236	5	<b>2.8</b>	2.8	-.02	3.0 ***	-.27	2.9 **	-.13
		2	Some	155	29	6,004	27	7,685	20	62,359	24							
		3	Quite a bit	255	46	9,966	41	16,405	44	115,717	43							
		4	Very much	116	21	6,060	25	11,557	32	77,411	28							
		Total		551	100	23,394	100	36,865	100	267,723	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	25	5	1,031	5	1,070	3	9,611	4	<b>2.8</b>	2.9	-.07	3.0 ***	-.25	3.0 ***	-.17
		2	Some	160	29	5,913	26	7,892	21	61,442	23							
		3	Quite a bit	252	46	10,404	44	16,835	46	120,353	45							
		4	Very much	115	21	5,964	25	10,967	30	75,433	28							
		Total		552	100	23,312	100	36,764	100	266,839	100							

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



# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<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	13	2	498	2	734	2	5,533	2	<b>3.0</b>	3.1	-.07	3.2 ***	-.19	3.1 **	-.13
		2	Some	120	22	4,218	19	5,728	16	45,340	17							
		3	Quite a bit	249	45	10,461	45	15,142	41	115,856	43							
		4	Very much	171	31	7,994	34	15,005	41	98,622	37							
		Total		553	100	23,171	100	36,609	100	265,351	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	24	4	856	4	1,601	5	10,279	4	<b>3.0</b>	3.0	-.06	3.1 ***	-.16	3.1 *	-.10
		2	Some	125	23	4,513	20	5,847	16	49,063	19							
		3	Quite a bit	241	44	10,637	46	15,165	41	116,301	43							
		4	Very much	161	29	7,136	30	13,908	38	89,103	34							
		Total		551	100	23,142	100	36,521	100	264,746	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	15	3	715	3	1,444	5	8,651	4	<b>3.0</b>	3.1 *	-.10	3.1 *	-.08	3.1 **	-.11
		2	Some	128	23	4,423	19	6,988	20	49,725	19							
		3	Quite a bit	247	45	9,853	42	14,292	39	109,143	41							
		4	Very much	160	29	8,117	35	13,763	37	96,886	36							
		Total		550	100	23,108	100	36,487	100	264,405	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	46	8	2,425	12	3,524	10	24,819	10	<b>2.8</b>	2.7 ***	.16	2.8	-.01	2.8	.05
		2	Some	147	27	6,938	32	9,312	26	73,132	28							
		3	Quite a bit	208	38	7,858	33	12,225	33	91,730	34							
		4	Very much	149	27	5,855	24	11,379	31	74,311	27							
		Total		550	100	23,076	100	36,440	100	263,992	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	37	7	1,807	9	2,284	7	19,276	8	<b>2.8</b>	2.7 **	.12	2.9 *	-.10	2.8	.02
		2	Some	148	27	6,944	31	8,896	25	72,870	28							
		3	Quite a bit	229	42	8,884	38	13,788	37	101,113	38							
		4	Very much	137	25	5,368	22	11,405	31	70,170	26							
		Total		551	100	23,003	100	36,373	100	263,429	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				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	Never	48	8	2,576	10	4,125	11	28,175	10	<b>2.7</b>	2.6	.02	2.6	.05	2.7	.00
		2	Sometimes	199	36	8,129	34	12,870	35	90,089	34							
		3	Often	203	39	7,959	36	12,510	35	93,011	36							
		4	Very often	93	18	4,074	19	6,576	18	49,535	20							
			Total	543	100	22,738	100	36,081	100	260,810	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	86	16	4,329	19	6,261	17	45,912	18	<b>2.5</b>	2.4 *	.11	2.4	.07	2.4	.06
		2	Sometimes	192	35	8,572	37	13,557	38	96,375	37							
		3	Often	175	33	6,537	29	10,674	30	76,771	30							
		4	Very often	87	16	3,199	15	5,482	16	40,734	16							
			Total	540	100	22,637	100	35,974	100	259,792	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	91	16	3,699	16	6,404	18	41,832	16	<b>2.4</b>	2.4	-.05	2.4	.00	2.4	-.05
		2	Sometimes	220	40	8,946	39	14,163	39	100,116	38							
		3	Often	171	33	6,980	32	10,591	30	80,593	31							
		4	Very often	60	11	2,954	14	4,735	13	36,518	14							
			Total	542	100	22,579	100	35,893	100	259,059	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	0	None	44	8	1,459	7	1,741	5	14,853	6	<b>7.0</b>	7.3	-.04	8.9 ***	-.26	7.7 *	-.10
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	98	19	4,202	19	5,508	15	43,752	17							
		4	3-5	163	29	6,517	29	9,853	27	73,974	29							
		8	6-10	108	20	4,887	21	7,941	22	57,912	22							
		13	11-15	61	11	2,396	11	3,985	11	28,794	11							
		18	16-20	35	7	1,210	5	2,410	7	15,280	6							
		23	More than 20	31	6	1,802	8	4,344	14	23,706	9							
			Total	540	100	22,473	100	35,782	100	258,271	100							
b. Between 6 and 10 pages	wrmednum	0	None	133	25	5,676	26	7,951	22	58,703	24	<b>3.3</b>	3.3	.00	4.2 ***	-.18	3.7 *	-.09
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	191	36	7,681	34	11,360	30	84,282	32							
		4	3-5	123	23	5,215	23	8,688	24	63,690	24							
		8	6-10	51	9	2,357	10	4,497	13	31,184	12							
		13	11-15	26	5	875	4	1,656	5	10,992	4							
		18	16-20	6	1	313	1	671	2	4,079	2							
		23	More than 20	5	1	305	1	864	3	4,523	2							
			Total	535	100	22,422	100	35,687	100	257,453	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	278	52	11,222	51	18,118	51	121,459	48	<b>1.9</b>	1.8	.02	2.1	-.06	2.0	-.04	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	175	32	7,449	32	10,793	29	86,784	32								
		4	3-5	40	8	2,133	9	3,664	10	28,035	11								
		8	6-10	16	3	830	4	1,505	5	10,576	4								
		13	11-15	18	3	446	2	783	2	5,714	2								
		18	16-20	4	1	153	1	371	1	2,134	1								
		23	More than 20	6	1	236	1	518	2	3,290	1								
		Total			537	100	22,469	100	35,752	100	257,992	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>75.4</b>	74.7	.01	91.9 ***	-.15	82.4	-.07	
<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	55	10	1,019	4	2,267	6	12,546	5	<b>2.7</b>	3.0 ***	-.38	3.1 ***	-.41	3.1 ***	-.43	
		2	Sometimes	188	35	5,990	26	8,102	21	59,893	23								
		3	Often	170	32	7,032	31	11,123	31	79,903	31								
		4	Very often	127	23	8,401	39	14,212	41	105,432	41								
			Total	540	100	22,442	100	35,704	100	257,774	100								
b. People from an economic background other than your own	DDeconomic	1	Never	25	5	793	3	2,025	6	10,845	5	<b>2.8</b>	3.0 ***	-.28	3.0 ***	-.27	3.1 ***	-.30	
		2	Sometimes	184	34	5,478	25	8,006	22	57,845	22								
		3	Often	205	38	8,314	36	12,407	34	91,738	35								
		4	Very often	126	23	7,809	35	13,176	38	96,748	38								
			Total	540	100	22,394	100	35,614	100	257,176	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	42	8	1,127	5	2,902	8	16,558	6	<b>2.7</b>	3.0 ***	-.32	2.9 ***	-.20	3.0 ***	-.28	
		2	Sometimes	192	36	5,868	26	10,357	28	67,677	26								
		3	Often	182	34	7,598	33	10,736	30	82,178	32								
		4	Very often	122	22	7,797	36	11,643	34	90,818	36								
			Total	538	100	22,390	100	35,638	100	257,231	100								
d. People with political views other than your own	DDpolitical	1	Never	38	7	1,224	5	2,624	8	16,874	7	<b>2.7</b>	2.9 ***	-.22	2.9 ***	-.23	2.9 ***	-.22	
		2	Sometimes	195	36	6,639	30	9,633	26	73,214	28								
		3	Often	182	34	7,419	32	11,628	32	82,104	32								
		4	Very often	122	22	7,115	32	11,762	34	85,155	34								
			Total	537	100	22,397	100	35,647	100	257,347	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	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	15	3	638	3	676	2	5,942	3	<b>2.9</b>	3.0 ***	-0.16	3.2 ***	-0.38	3.1 ***	-0.26	
		2	Sometimes	137	26	4,857	22	6,021	17	49,517	20								
		3	Often	272	51	9,736	44	15,260	42	111,828	43								
		4	Very often	109	20	7,066	31	13,580	39	88,910	34								
		Total		533	100	22,297	100	35,537	100	256,197	100								
b. Reviewed your notes after class	LSnotes	1	Never	51	9	1,764	9	2,518	7	18,555	7	<b>2.7</b>	2.7	-0.03	2.9 ***	-0.23	2.8 ***	-0.14	
		2	Sometimes	164	31	7,277	34	9,496	26	76,593	30								
		3	Often	203	38	7,250	32	11,970	34	85,092	33								
		4	Very often	117	21	5,976	25	11,511	33	75,737	30								
		Total		535	100	22,267	100	35,495	100	255,977	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	41	8	1,644	8	2,018	6	16,679	7	<b>2.7</b>	2.7	-0.06	3.0 ***	-0.30	2.8 ***	-0.17	
		2	Sometimes	180	34	7,014	32	9,061	25	74,141	29								
		3	Often	214	40	8,214	36	13,445	38	95,549	37								
		4	Very often	100	18	5,400	23	10,965	32	69,579	27								
		Total		535	100	22,272	100	35,489	100	255,948	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	1	234	1	349	1	2,455	1	<b>5.4</b>	5.4	0.02	5.8 ***	-0.26	5.6 *	-0.10	
		2		7	1	341	2	392	1	3,341	1								
		3		22	4	1,042	5	1,242	4	10,567	4								
		4		63	12	2,448	12	2,966	8	25,590	10								
		5		177	33	6,856	32	8,693	24	72,591	28								
		6		141	27	5,862	26	8,838	25	65,664	25								
		7	Very much	121	22	5,379	23	12,804	37	74,301	29								
		Total		535	100	22,162	100	35,284	100	254,509	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		33	7	1,720	8	4,820	15	25,308	10	<b>50%</b>	55% **	-0.11	39% ***	0.22	48%	0.03	
		Do not plan to do		86	16	3,226	15	6,848	21	40,967	17								
		Plan to do		148	28	5,118	22	9,026	26	60,538	24								
		Done or in progress		269	50	12,066	55	14,560	39	127,459	48								
		Total		536	100	22,130	100	35,254	100	254,272	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes		Carnegie Class	NSSE 2019 & 2020			
				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 <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	53	10	2,162	9	5,564	17	30,474	12	<b>29%</b>	40% ***	-0.24	26%	.06	34% **	-0.12	
			Do not plan to do	282	53	9,809	43	16,341	47	110,264	44								
			Plan to do	40	8	1,669	8	3,308	10	21,607	9								
			Done or in progress	158	29	8,441	40	9,986	26	91,453	34								
			Total	533	100	22,081	100	35,199	100	253,798	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	56	10	2,672	11	6,297	19	37,195	15	<b>22%</b>	26% *	-0.10	19%	.07	22%	-0.01	
			Do not plan to do	300	57	11,696	54	17,793	51	130,550	52								
			Plan to do	52	10	1,891	8	3,844	11	25,959	10								
			Done or in progress	120	22	5,748	26	7,161	19	59,272	22								
			Total	528	100	22,007	100	35,095	100	252,976	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	54	10	2,283	10	5,098	15	29,747	12	<b>6%</b>	16% ***	-0.32	10% **	-0.14	14% ***	-0.26	
			Do not plan to do	422	79	14,822	67	23,412	68	166,645	67								
			Plan to do	22	4	1,452	7	2,386	7	17,463	7								
			Done or in progress	34	6	3,462	16	4,191	10	39,240	14								
			Total	532	100	22,019	100	35,087	100	253,095	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	76	14	3,093	14	6,558	19	38,965	16	<b>14%</b>	25% ***	-0.30	15%	-0.05	23% ***	-0.24	
			Do not plan to do	319	60	11,136	50	18,854	54	124,212	49								
			Plan to do	63	12	2,509	11	3,745	11	29,651	12								
			Done or in progress	75	14	5,280	25	5,938	15	60,224	23								
			Total	533	100	22,018	100	35,095	100	253,052	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	40	8	1,799	8	4,787	15	24,347	10	<b>45%</b>	44%	.00	35% ***	.19	44%	.00	
			Do not plan to do	100	19	4,374	22	7,672	23	49,729	21								
			Plan to do	152	29	5,640	26	9,609	27	60,695	25								
			Done or in progress	241	45	10,194	44	13,011	35	118,166	44								
			Total	533	100	22,007	100	35,079	100	252,937	100								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	205	40	8,905	44	12,623	38	93,743	39	<b>1.8</b>	1.7 ***	.18	1.8	-0.01	1.8	.07	
			2	Some	241	45	10,627	47	17,229	48	126,433								49
			3	Most	58	11	2,002	8	4,057	11	25,925								10
			4	All	25	5	412	2	1,070	3	6,075								2
			Total	529	100	21,946	100	34,979	100	252,176	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	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	8	2	236	1	404	1	2,967	1	<b>5.6</b>	5.6	.03	5.7	-.06	5.6	-.01
		2		3	1	318	2	530	2	3,855	2							
		3		21	4	865	4	1,229	4	9,609	4							
		4		54	10	2,166	10	3,259	10	24,527	10							
		5		129	24	5,797	26	7,567	21	61,171	24							
		6		148	28	6,447	29	8,827	25	68,972	27							
	7	Excellent	149	28	5,889	26	11,463	33	74,894	30								
	—	Not applicable	20	4	218	1	1,713	5	6,162	3								
		Total		532	100	21,936	100	34,992	100	252,157	100							
b. Academic advisors	QIadvisor	1	Poor	13	2	1,076	5	1,281	4	10,523	4	<b>5.4</b>	5.1 ***	.20	5.5	-.02	5.3 *	.09
		2		29	5	1,165	5	1,390	4	11,198	5							
		3		32	6	1,772	8	2,140	6	17,582	7							
		4		47	9	2,936	13	3,743	10	29,844	12							
		5		110	20	4,145	19	5,919	17	45,892	18							
		6		105	20	4,261	19	6,660	19	49,521	19							
	7	Excellent	181	35	6,292	28	13,037	38	83,631	33								
	—	Not applicable	13	3	260	1	781	2	3,778	2								
		Total		530	100	21,907	100	34,951	100	251,969	100							
c. Faculty	QIfaculty	1	Poor	4	1	287	2	442	1	3,597	2	<b>5.6</b>	5.4 **	.14	5.7	-.08	5.5	.04
		2		7	1	429	2	613	2	4,852	2							
		3		26	5	1,057	5	1,327	4	10,990	5							
		4		51	9	2,625	12	3,192	9	27,068	11							
		5		138	25	5,610	26	6,973	20	58,225	23							
		6		145	28	6,421	29	9,542	27	71,185	28							
	7	Excellent	149	29	5,357	23	12,255	35	73,598	29								
	—	Not applicable	11	2	115	1	599	2	2,381	1								
		Total		531	100	21,901	100	34,943	100	251,896	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>							
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		
				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	18	4	801	4	1,217	4	10,250	4	<b>5.0</b>	4.9	.01	5.2 **	-0.14	5.0	-0.04	
		2		15	3	854	4	1,238	3	10,245	4								
		3		34	6	1,557	7	1,876	5	16,983	7								
		4		56	11	2,943	14	3,573	10	31,921	12								
		5		90	17	4,263	20	5,495	15	46,697	18								
		6		87	17	3,991	18	5,473	15	43,777	17								
		7	Excellent	67	13	3,599	16	7,685	22	48,491	19								
		—	Not applicable	164	30	3,873	17	8,370	26	43,403	18								
	Total	531	100	21,881	100	34,927	100	251,767	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	14	3	966	5	1,294	4	11,257	5	<b>5.2</b>	4.9 ***	.22	5.3	-0.03	5.0 **	.12	
		2		16	3	1,040	5	1,437	4	11,824	5								
		3		36	7	1,802	8	2,203	6	19,193	8								
		4		61	12	3,408	16	4,165	12	36,115	14								
		5		125	24	4,737	21	6,604	18	52,365	20								
		6		104	20	4,358	20	6,934	19	50,247	20								
		7	Excellent	119	22	3,797	17	10,035	29	54,994	22								
		—	Not applicable	56	10	1,794	9	2,284	7	15,870	7								
	Total	531	100	21,902	100	34,956	100	251,865	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	10	2	375	2	696	2	4,759	2	<b>3.0</b>	3.1 ***	-0.16	3.1 ***	-0.17	3.1 ***	-0.19	
		2	Some	138	26	4,157	19	6,406	19	45,713	19								
		3	Quite a bit	239	45	10,344	47	16,040	46	114,477	46								
		4	Very much	144	27	6,959	32	11,689	33	86,115	34								
			Total	531	100	21,835	100	34,831	100	251,064	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	36	7	1,061	6	1,817	6	12,855	6	<b>2.8</b>	2.9	-0.08	3.0 ***	-0.23	2.9 ***	-0.16	
		2	Some	143	27	5,607	27	7,361	22	59,616	24								
		3	Quite a bit	242	46	9,530	43	14,055	40	105,746	42								
		4	Very much	107	20	5,591	24	11,525	33	72,364	29								
			Total	528	100	21,789	100	34,758	100	250,581	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	71	14	1,924	9	2,904	9	22,127	9	<b>2.6</b>	2.8 ***	-0.21	2.9 ***	-0.37	2.9 ***	-0.29	
		2	Some	163	31	5,616	27	7,568	22	60,567	25								
		3	Quite a bit	195	37	8,416	39	12,727	36	94,160	37								
		4	Very much	96	18	5,817	25	11,534	33	73,519	29								
			Total	525	100	21,773	100	34,733	100	250,373	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### Seniors

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
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. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	94	18	3,222	15	4,960	14	36,650	15	2.5	2.6 *	-0.10	2.7 ***	-0.22	2.6 ***	-0.16	
		2	Some	178	34	7,020	33	9,713	27	75,990	30								
		3	Quite a bit	170	33	7,051	32	11,300	33	80,318	32								
		4	Very much	84	16	4,447	20	8,717	25	57,031	23								
		Total		526	100	21,740	100	34,690	100	249,989	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	69	13	1,626	8	3,927	12	21,972	9	2.6	2.8 ***	-0.26	2.8 ***	-0.17	2.8 ***	-0.24	
		2	Some	169	33	5,770	27	8,931	26	65,384	27								
		3	Quite a bit	194	37	8,695	40	12,481	35	95,873	38								
		4	Very much	93	18	5,626	25	9,297	26	66,533	26								
		Total		525	100	21,717	100	34,636	100	249,762	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	101	19	2,382	12	4,888	16	29,553	12	2.4	2.7 ***	-0.29	2.7 ***	-0.24	2.7 ***	-0.30	
		2	Some	181	35	6,253	29	9,177	27	69,497	28								
		3	Quite a bit	164	31	8,014	36	11,745	33	89,028	35								
		4	Very much	79	15	5,037	23	8,744	25	61,390	25								
		Total		525	100	21,686	100	34,554	100	249,468	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	184	35	7,690	36	10,880	32	81,578	33	2.0	2.0	0.01	2.2 ***	-0.16	2.1 *	-0.10	
		2	Some	192	37	7,834	36	11,424	32	87,246	35								
		3	Quite a bit	108	21	4,270	19	7,602	22	52,296	21								
		4	Very much	36	7	1,886	8	4,653	14	28,126	11								
		Total		520	100	21,680	100	34,559	100	249,246	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	127	24	2,968	13	8,708	28	42,813	18	2.3	2.6 ***	-0.34	2.3	-0.07	2.5 ***	-0.26	
		2	Some	183	36	7,059	32	9,272	27	74,309	30								
		3	Quite a bit	148	28	7,594	35	10,048	28	82,325	32								
		4	Very much	63	12	4,033	19	6,416	18	49,509	20								
		Total		521	100	21,654	100	34,444	100	248,956	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	139	26	4,329	21	9,287	30	55,215	23	2.2	2.3 **	-0.15	2.2	-0.06	2.3 ***	-0.14	
		2	Some	206	39	8,624	40	11,330	32	91,150	37								
		3	Quite a bit	133	26	6,169	28	8,983	25	68,870	27								
		4	Very much	43	8	2,533	11	4,870	13	33,784	13								
		Total		521	100	21,655	100	34,470	100	249,019	100								

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



# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State Mean	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>15. To what extent do you agree or disagree with the following statements?</b>																		
a. I feel comfortable being myself at this institution.	SBmyself <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	11	2	309	3	334	3	3,699	3	<b>3.3</b>	3.3	.02	3.3	-.04	3.3	-.01
		2	Disagree	28	6	866	7	844	6	10,172	7							
		3	Agree	269	51	6,618	48	6,270	46	70,134	46							
		4	Strongly agree	216	42	5,686	42	6,084	45	64,517	44							
		Total		524	100	13,479	100	13,532	100	148,522	100							
b. I feel valued by this institution.	SBvalued <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	33	7	932	8	789	6	9,592	7	<b>2.9</b>	2.9	.07	3.0 **	-.12	2.9	-.02
		2	Disagree	103	20	2,743	21	2,107	15	27,331	18							
		3	Agree	260	49	6,829	49	6,665	49	73,556	49							
		4	Strongly agree	128	25	2,955	22	3,959	30	37,904	26							
		Total		524	100	13,459	100	13,520	100	148,383	100							
c. I feel like part of the community at this institution.	SBcommunity <i>(Comparison data are limited to NSSE 2020.)</i>	1	Strongly disagree	34	7	828	7	750	6	8,340	6	<b>2.9</b>	2.9	-.01	3.0 *	-.12	3.0	-.08
		2	Disagree	113	22	2,684	20	2,329	17	26,898	18							
		3	Agree	243	47	6,756	49	6,570	48	73,418	49							
		4	Strongly agree	133	25	3,192	24	3,878	29	39,828	27							
		Total		523	100	13,460	100	13,527	100	148,484	100							
<b>16. 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 <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	2	0	97	1	145	0	969	0	<b>13.4</b>	15.0 ***	-.18	15.0 ***	-.19	15.0 ***	-.18
		3	1-5 hrs	90	18	2,941	13	4,549	13	32,045	13							
		8	6-10 hrs	141	27	5,041	23	7,904	23	57,121	23							
		13	11-15 hrs	112	21	4,475	20	6,911	20	51,342	21							
		18	16-20 hrs	74	14	3,918	18	6,287	18	45,082	18							
		23	21-25 hrs	47	9	2,245	11	3,672	11	26,865	11							
		28	26-30 hrs	25	5	1,316	6	2,282	7	15,322	6							
		33	More than 30 hrs	32	6	1,574	8	2,692	8	19,709	8							
Total		523	100	21,607	100	34,442	100	248,455	100									
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	294	56	8,792	38	18,113	55	104,846	44	<b>3.6</b>	5.3 ***	-.23	4.0	-.06	5.0 ***	-.19
		3	1-5 hrs	112	21	6,383	30	7,868	21	67,723	26							
		8	6-10 hrs	55	11	2,890	14	3,491	9	31,965	13							
		13	11-15 hrs	28	5	1,568	8	2,015	6	18,802	7							
		18	16-20 hrs	23	4	957	5	1,336	4	11,739	5							
		23	21-25 hrs	6	1	486	2	749	2	6,275	2							
		28	26-30 hrs	2	0	189	1	313	1	2,606	1							
33	More than 30 hrs	4	1	296	1	514	1	4,076	2									
Total		524	100	21,561	100	34,399	100	248,032	100									

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State Mean	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%		Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Working for pay on campus	tmworkonhrs	0	0 hrs	404	78	14,870	67	27,095	81	174,204	72	<b>3.4</b>	4.5 *** ▽	-0.15	2.6 * △	.12	3.6	-0.03
	(Recorded version of tmworkon created by NSSE.)	3	1-5 hrs	10	2	877	4	1,190	3	12,357	4							
		8	6-10 hrs	23	4	1,695	9	1,972	5	20,906	7							
		13	11-15 hrs	32	6	1,567	8	1,490	4	16,236	6							
	(Values are estimated number of hours per week.)	18	16-20 hrs	27	5	1,433	7	1,560	4	15,176	6							
		23	21-25 hrs	21	4	659	3	480	1	4,590	2							
		28	26-30 hrs	1	0	206	1	226	1	1,700	1							
		33	More than 30 hrs	5	1	255	1	370	1	2,859	1							
		Total			523	100	21,562	100	34,383	100	248,028							
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	179	34	8,593	45	12,358	35	101,765	41	<b>16.6</b>	11.3 *** ▲	.42	16.1	.04	13.0 ***	.27
	(Recorded version of tmworkoff created by NSSE.)	3	1-5 hrs	15	3	959	4	1,433	4	12,241	5							
		8	6-10 hrs	24	5	1,414	6	1,785	5	15,938	6							
		13	11-15 hrs	26	5	1,785	8	1,951	5	17,341	7							
	(Values are estimated number of hours per week.)	18	16-20 hrs	40	8	2,285	10	2,726	7	22,880	9							
		23	21-25 hrs	41	8	1,859	7	2,185	6	17,778	7							
		28	26-30 hrs	23	4	1,344	5	1,742	5	13,062	5							
		33	More than 30 hrs	177	34	3,342	14	10,249	33	47,241	21							
		Total			525	100	21,581	100	34,429	100	248,246							
Estimated number of hours working for pay	tmworkhrs										<b>20.1</b>	15.9 *** ▲	.33	18.7 *	.10	16.6 ***	.26	
	(Continuous variable created by NSSE)																	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	286	55	11,246	53	15,762	47	123,670	51	<b>2.8</b>	2.8	-0.01	3.8 *** ▽	-0.16	3.3 *	-0.09
	(Recorded version of tmservice created by NSSE.)	3	1-5 hrs	165	30	7,202	33	11,942	34	82,411	32							
		8	6-10 hrs	38	7	1,544	7	3,225	9	20,641	8							
		13	11-15 hrs	16	3	691	3	1,451	4	9,378	4							
	(Values are estimated number of hours per week.)	18	16-20 hrs	10	2	440	2	917	3	5,553	2							
		23	21-25 hrs	5	1	185	1	417	1	2,565	1							
		28	26-30 hrs	1	0	81	0	208	1	1,156	0							
		33	More than 30 hrs	4	1	169	1	485	1	2,705	1							
		Total			525	100	21,558	100	34,407	100	248,079							

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class	NSSE 2019 & 2020		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs <i>(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	18	3	493	2	1,367	4	7,454	3	<b>11.1</b>	12.0 *	-1.0	9.7 ***	.18	10.9	.03
		3	1-5 hrs	135	25	5,079	22	10,968	33	66,724	27							
		8	6-10 hrs	148	28	6,055	28	9,602	27	70,199	28							
		13	11-15 hrs	100	19	4,222	20	5,719	16	46,236	18							
		18	16-20 hrs	62	13	2,794	14	3,417	10	28,679	12							
		23	21-25 hrs	23	4	1,220	6	1,365	4	11,954	5							
		28	26-30 hrs	13	3	576	3	657	2	5,385	2							
		33	More than 30 hrs	25	5	1,121	6	1,300	4	11,415	5							
	Total	524	100	21,560	100	34,395	100	248,046	100									
g. Providing care for dependents (children, parents, etc.)	tmcarehrs <i>(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	305	58	15,252	73	18,099	50	160,267	63	<b>7.7</b>	4.1 ***	.38	10.1 ***	-.18	6.3 **	.13
		3	1-5 hrs	53	10	2,186	9	3,591	11	25,882	10							
		8	6-10 hrs	24	5	946	4	1,968	6	12,629	5							
		13	11-15 hrs	24	5	659	3	1,329	4	8,375	4							
		18	16-20 hrs	22	5	461	2	1,224	4	6,660	3							
		23	21-25 hrs	10	2	272	1	715	2	3,788	2							
		28	26-30 hrs	5	1	156	1	589	2	2,624	1							
		33	More than 30 hrs	80	15	1,606	7	6,840	21	27,509	12							
	Total	523	100	21,538	100	34,355	100	247,734	100									
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	147	28	3,351	16	14,551	45	63,691	25	<b>4.2</b>	5.1 ***	-.15	3.9	.05	5.0 **	-.12
		3	1-5 hrs	256	49	11,773	55	12,386	33	116,407	47							
		8	6-10 hrs	74	14	3,862	18	4,020	11	38,431	16							
		13	11-15 hrs	25	5	1,330	6	1,554	5	14,099	6							
		18	16-20 hrs	10	2	527	2	693	2	5,934	3							
		23	21-25 hrs	2	0	219	1	343	1	2,946	1							
		28	26-30 hrs	2	0	100	0	185	1	1,426	1							
		33	More than 30 hrs	8	1	421	2	654	2	5,207	2							
	Total	524	100	21,583	100	34,386	100	248,141	100									

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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	Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
<b>17. 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	97	18	3,814	19	3,760	10	33,604	14	<b>2.6</b>	2.6	-0.05	3.0 ***	-0.36	2.8 ***	-0.21	
		2	Some	167	32	6,737	33	9,201	26	71,159	29								
		3	About half	158	30	5,301	24	10,508	31	67,715	27								
		4	Most	77	15	4,040	18	7,678	23	52,651	21								
		5	Almost all	25	4	1,663	7	3,213	10	22,632	9								
			Total	524	100	21,555	100	34,360	100	247,761	100								
	tmreadinghrs			<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprehrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>								<b>5.3</b>	6.3 ***	-0.17	7.8 ***	-0.37	7.1 ***	-0.27	
	tmreadinghrscol	1	0 hrs	2	0	96	1	142	0	950	0								
		2	More than zero, up to 5 hrs	310	59	11,343	54	15,436	44	117,864	49								
		3	More than 5, up to 10 hrs	145	28	5,966	28	10,080	30	71,856	29								
		4	More than 10, up to 15 hrs	34	6	2,009	9	3,866	11	25,956	10								
		5	More than 15, up to 20 hrs	22	4	996	5	2,173	7	14,842	6								
		6	More than 20, up to 25 hrs	5	1	767	3	1,652	5	10,419	4								
		7	More than 25 hrs	4	1	319	1	842	3	4,953	2								
			Total	522	100	21,496	100	34,191	100	246,840	100								
<b>18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																			
a. Writing clearly and effectively	pgwrite	1	Very little	36	7	1,324	7	1,360	4	12,585	6	<b>2.8</b>	2.9 **	-0.12	3.1 ***	-0.40	3.0 ***	-0.24	
		2	Some	142	27	5,054	24	6,325	18	51,797	21								
		3	Quite a bit	231	44	8,699	40	12,847	37	97,072	39								
		4	Very much	113	22	6,422	29	13,713	41	85,754	34								
			Total	522	100	21,499	100	34,245	100	247,208	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### Seniors

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
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. Speaking clearly and effectively	pgspeak	1	Very little	48	9	1,673	9	2,553	8	17,263	8	<b>2.8</b>	2.8	-0.08	3.0 ***	-0.22	2.9 ***	-0.18	
		2	Some	140	27	5,500	27	7,430	22	56,753	23								
		3	Quite a bit	217	42	8,107	36	12,273	35	92,827	37								
		4	Very much	114	22	6,203	28	12,009	35	80,354	32								
		Total		519	100	21,483	100	34,265	100	247,197	100								
c. Thinking critically and analytically	pgthink	1	Very little	16	3	482	3	652	2	5,137	2	<b>3.1</b>	3.3 ***	-0.23	3.3 ***	-0.32	3.3 ***	-0.27	
		2	Some	90	17	2,801	13	3,887	12	29,834	13								
		3	Quite a bit	242	47	8,259	37	12,446	36	92,711	37								
		4	Very much	174	33	9,947	47	17,315	50	119,622	48								
		Total		522	100	21,489	100	34,300	100	247,304	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	54	10	2,010	9	3,452	10	23,802	9	<b>2.8</b>	2.9 ***	-0.15	2.9 **	-0.12	2.9 ***	-0.16	
		2	Some	156	30	5,829	26	8,908	26	62,331	24								
		3	Quite a bit	185	36	7,098	33	11,104	32	82,261	33								
		4	Very much	125	25	6,557	33	10,801	32	78,846	33								
		Total		520	100	21,494	100	34,265	100	247,240	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	31	6	1,748	9	2,344	7	19,634	9	<b>3.0</b>	2.9 *	.11	3.0	.00	3.0 *	.09	
		2	Some	115	21	4,903	23	7,047	20	56,092	23								
		3	Quite a bit	186	36	7,649	35	11,539	33	85,025	34								
		4	Very much	189	37	7,192	34	13,342	39	86,512	35								
		Total		521	100	21,492	100	34,272	100	247,263	100								
f. Working effectively with others	pgothers	1	Very little	27	5	974	5	1,906	6	11,811	5	<b>3.0</b>	3.0 *	-0.09	3.1 **	-0.14	3.1 **	-0.12	
		2	Some	129	25	4,309	21	6,682	20	48,563	20								
		3	Quite a bit	207	39	8,591	39	12,324	35	94,707	38								
		4	Very much	159	31	7,619	35	13,352	39	92,122	37								
		Total		522	100	21,493	100	34,264	100	247,203	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	61	12	2,394	13	2,570	8	23,498	11	<b>2.7</b>	2.7	-0.07	3.0 ***	-0.33	2.9 ***	-0.18	
		2	Some	156	30	5,570	26	7,050	21	57,665	24								
		3	Quite a bit	185	36	7,609	34	11,712	34	85,912	34								
		4	Very much	119	22	5,902	27	12,908	37	79,969	31								
		Total		521	100	21,475	100	34,240	100	247,044	100								

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

# NSSE 2020 Frequencies and Statistical Comparisons

## Ferris State University

### 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>						
				Ferris State		Great Lakes Public		Carnegie Class		NSSE 2019 & 2020		Ferris State	Great Lakes Public		Carnegie Class		NSSE 2019 & 2020	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	67	13	1,930	10	2,777	9	21,603	9	<b>2.6</b>	2.8 ***	-0.25	3.0 ***	-0.39	2.9 ***	-0.31
		2	Some	178	34	5,673	27	7,935	23	60,738	25							
		3	Quite a bit	176	33	7,574	35	11,517	33	84,988	34							
		4	Very much	99	19	6,304	28	12,011	35	79,838	32							
		Total		520	100	21,481	100	34,240	100	247,167	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	48	9	1,832	9	2,556	8	20,493	9	<b>2.8</b>	2.8	-0.07	2.9 ***	-0.17	2.9 *	-0.11
		2	Some	154	29	5,843	27	8,617	25	64,535	26							
		3	Quite a bit	201	39	7,915	36	12,061	35	88,558	35							
		4	Very much	119	23	5,887	28	11,018	32	73,585	30							
		Total		522	100	21,477	100	34,252	100	247,171	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	87	17	2,821	14	3,552	11	29,359	13	<b>2.5</b>	2.6 ***	-0.15	2.8 ***	-0.34	2.7 ***	-0.24
		2	Some	176	34	6,617	31	9,090	26	70,740	29							
		3	Quite a bit	170	33	6,966	31	11,213	32	80,538	32							
		4	Very much	89	17	5,099	23	10,418	31	66,765	27							
		Total		522	100	21,503	100	34,273	100	247,402	100							
<b>19. How would you evaluate your entire educational experience at this institution?</b>																		
	evalexp	1	Poor	20	4	611	3	626	2	5,938	3	<b>3.1</b>	3.2 **	-0.12	3.3 ***	-0.34	3.2 ***	-0.21
		2	Fair	79	15	2,817	13	3,269	10	29,207	12							
		3	Good	257	49	10,138	46	13,546	39	107,786	43							
		4	Excellent	163	32	8,013	38	16,951	48	105,354	42							
		Total		519	100	21,579	100	34,392	100	248,285	100							
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>																		
	sameinst	1	Definitely no	31	6	1,029	5	1,324	4	11,493	5	<b>3.2</b>	3.2	-0.01	3.3 ***	-0.16	3.2	-0.06
		2	Probably no	55	10	2,801	13	3,651	11	30,804	12							
		3	Probably yes	231	44	8,916	41	11,960	35	95,346	38							
		4	Definitely yes	204	40	8,885	41	17,543	50	111,351	45							
		Total		521	100	21,631	100	34,478	100	248,994	100							

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

# NSSE 2020 Frequencies and Statistical Comparisons

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

### Ferris State University

#### First-Year Students

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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
1 a. askquest	136	2.94	2.76	2.91	2.80	.074	.005	.006	.002	.86	.83	.86	.85	23,596	23,536	207,279	.009	.667	.045	.22	.04	.17				
b. unpreparedr	136	3.07	3.02	3.13	3.07	.063	.005	.005	.002	.73	.78	.78	.77	23,519	137	206,365	.460	.310	.987	.06	-.08	.00				
c. attendart	136	1.90	1.77	1.79	1.85	.076	.006	.006	.002	.89	.88	.93	.91	23,455	23,385	205,770	.093	.194	.520	.14	.11	.06				
d. CLaskhelp	136	2.63	2.65	2.44	2.60	.077	.006	.006	.002	.89	.87	.97	.90	23,430	23,325	205,424	.759	.023	.683	-.03	.20	.04				
e. CLexplain	136	2.80	2.75	2.53	2.69	.070	.005	.006	.002	.82	.82	.92	.85	23,345	137	204,701	.485	.000	.128	.06	.29	.13				
f. CLstudy	136	2.56	2.53	2.40	2.53	.082	.006	.007	.002	.95	.96	1.02	.98	23,226	23,139	203,496	.698	.057	.671	.03	.16	.04				
g. CLproject	135	2.75	2.66	2.49	2.64	.079	.006	.006	.002	.92	.85	.96	.89	23,129	22,972	202,100	.222	.002	.130	.11	.27	.13				
h. present	132	2.46	2.22	2.21	2.27	.082	.006	.006	.002	.94	.88	.96	.91	133	22,964	201,732	.004	.002	.017	.27	.27	.21				
2 a. RIintegrate	130	2.75	2.60	2.55	2.57	.071	.006	.006	.002	.81	.83	.88	.85	22,769	22,622	198,415	.034	.009	.017	.19	.23	.21				
b. RISocietal	131	2.49	2.54	2.60	2.56	.078	.006	.006	.002	.89	.86	.89	.88	22,558	22,436	196,654	.471	.151	.326	-.06	-.13	-.09				
c. RIDiverse	129	2.51	2.52	2.60	2.56	.079	.006	.006	.002	.90	.89	.91	.90	22,358	22,199	194,631	.840	.219	.484	-.02	-.11	-.06				
d. Rlownview	129	2.82	2.73	2.84	2.77	.074	.005	.005	.002	.84	.81	.81	.81	22,107	21,953	192,238	.194	.845	.493	.11	-.02	.06				
e. Rlperspect	129	2.92	2.89	2.97	2.92	.070	.005	.005	.002	.80	.79	.79	.79	21,747	21,675	189,121	.661	.482	.955	.04	-.06	-.01				
f. RInewview	127	2.78	2.83	2.90	2.86	.071	.005	.005	.002	.80	.79	.80	.79	21,435	21,384	186,141	.506	.098	.288	-.06	-.15	-.09				
g. RIconnect	126	3.16	3.03	3.06	3.03	.064	.005	.005	.002	.72	.73	.75	.74	21,103	21,155	183,622	.045	.139	.049	.18	.13	.18				
3 a. SFcareer	126	2.44	2.33	2.34	2.33	.082	.006	.007	.002	.92	.91	.94	.93	21,108	21,150	183,520	.162	.218	.155	.12	.11	.13				
b. SFotherwork	125	1.95	1.79	1.74	1.80	.086	.006	.006	.002	.96	.91	.92	.92	20,957	21,027	182,441	.045	.009	.065	.18	.23	.17				
c. SFdiscuss	126	2.22	2.00	1.95	2.02	.082	.006	.006	.002	.92	.88	.91	.90	126	20,811	180,564	.008	.001	.010	.25	.30	.23				
d. SFperform	126	2.22	2.08	2.14	2.14	.077	.006	.006	.002	.87	.87	.90	.89	20,684	20,808	180,382	.083	.375	.363	.16	.08	.08				
4 a. memorize	123	2.85	2.92	2.91	2.91	.062	.006	.006	.002	.69	.79	.82	.80	20,535	20,650	179,012	.336	.381	.381	-.09	-.08	-.08				
b. HOapply	125	2.85	2.93	2.92	2.91	.070	.005	.006	.002	.78	.78	.81	.80	20,399	20,524	177,908	.290	.324	.411	-.09	-.09	-.07				
c. HOanalyze	124	2.91	2.88	2.92	2.90	.069	.006	.006	.002	.77	.81	.82	.81	20,216	20,302	175,925	.688	.858	.917	.04	-.02	.01				
d. HOevaluate	124	2.85	2.82	2.97	2.89	.075	.006	.006	.002	.84	.81	.80	.81	20,081	20,182	174,836	.759	.096	.515	.03	-.15	-.06				
e. HOform	124	2.85	2.84	2.94	2.89	.074	.006	.006	.002	.83	.80	.80	.80	19,976	20,084	173,949	.795	.240	.641	.02	-.11	-.04				
5 a. ETgoals	121	3.14	3.03	3.12	3.06	.067	.005	.006	.002	.74	.77	.79	.78	19,786	19,953	172,552	.124	.783	.261	.14	.03	.10				
b. ETorganize	123	2.96	2.96	3.04	2.99	.067	.006	.006	.002	.74	.80	.85	.82	19,747	124	171,983	.956	.222	.688	-.01	-.10	-.04				
c. ETexample	121	3.05	3.01	3.06	3.02	.075	.006	.006	.002	.82	.80	.85	.82	19,699	19,835	171,593	.616	.908	.699	.05	-.01	.04				
d. ETdraftfb	122	2.80	2.73	2.92	2.81	.082	.006	.007	.002	.91	.91	.92	.91	19,670	19,830	171,285	.373	.157	.903	.08	-.13	-.01				
e. ETfeedback	121	2.75	2.66	2.84	2.73	.079	.006	.007	.002	.87	.88	.92	.90	19,612	19,759	170,715	.249	.335	.763	.11	-.09	.03				
6 a. QRconclude	121	2.53	2.60	2.56	2.58	.091	.006	.006	.002	1.01	.86	.89	.87	121	121	120	.450	.743	.580	-.08	-.03	-.06				
b. QRproblem	121	2.18	2.33	2.33	2.33	.085	.007	.007	.002	.94	.90	.93	.92	19,221	19,432	167,411	.077	.093	.085	-.16	-.15	-.16				
c. QRevaluate	121	2.17	2.35	2.28	2.33	.081	.006	.007	.002	.89	.87	.91	.89	19,157	19,341	166,744	.023	.155	.049	-.21	-.13	-.18				



# NSSE 2020 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup> Ferris State University

### 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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
7 a. wrshortnum	119	5.41	6.54	6.66	6.49	.443	.041	.043	.014	4.83	5.70	5.92	5.69	120	120	118	.013	.006	.017	-.20	-.21	-.19				
b. wrmednum	119	1.75	2.30	2.34	2.31	.215	.025	.026	.008	2.35	3.41	3.55	3.40	121	121	118	.013	.008	.011	-.16	-.17	-.16				
c. wrlongnum	118	.61	.96	1.05	1.00	.124	.021	.022	.007	1.34	2.89	3.05	2.95	124	125	118	.006	.001	.002	-.12	-.14	-.13				
— wrpages	118	39.49	52.02	54.02	52.47	3.861	.531	.554	.182	41.94	72.98	76.53	73.75	19,004	122	118	.063	.000	.001	-.17	-.19	-.18				
8 a. DDrace	120	2.88	3.01	3.04	3.04	.084	.006	.007	.002	.92	.89	.93	.91	19,028	19,229	165,641	.135	.062	.059	-.14	-.17	-.17				
b. DDeconomic	120	3.00	3.01	3.01	3.03	.071	.006	.007	.002	.78	.85	.91	.88	18,982	121	119	.946	.876	.727	-.01	-.01	-.03				
c. DDreligion	120	2.97	2.96	2.91	2.94	.078	.007	.007	.002	.86	.89	.96	.94	18,982	121	165,191	.945	.443	.711	.01	.06	.03				
d. DDpolitical	120	3.01	2.92	2.89	2.89	.075	.007	.007	.002	.82	.90	.96	.94	120	121	119	.222	.132	.118	.10	.12	.13				
9 a. LSreading	120	2.94	2.95	3.07	3.00	.070	.006	.006	.002	.76	.77	.77	.77	18,858	19,099	164,071	.894	.081	.438	-.01	-.16	-.07				
b. LSnotes	118	2.83	2.87	3.00	2.91	.083	.006	.006	.002	.90	.88	.87	.88	18,833	19,065	163,855	.647	.037	.326	-.04	-.19	-.09				
c. LSsummary	120	2.75	2.79	2.92	2.83	.084	.006	.006	.002	.92	.86	.87	.87	18,828	19,074	163,872	.604	.033	.299	-.05	-.20	-.10				
10. challenge	120	5.39	5.38	5.56	5.42	.102	.009	.009	.003	1.12	1.21	1.27	1.24	18,720	121	162,818	.916	.103	.764	.01	-.13	-.03				
11 a. intern <sup>l</sup>	120	.087	.072	.075	.073	.0258	.0019	.0019	.0006	--	--	--	--	--	--	--	.545	.636	.572	.05	.04	.05				
b. leader <sup>l</sup>	120	.155	.112	.094	.103	.0332	.0023	.0021	.0008	--	--	--	--	--	--	--	.141	.022	.058	.13	.19	.16				
c. learncom <sup>l</sup>	120	.103	.172	.112	.127	.0279	.0028	.0023	.0008	--	--	--	--	--	--	--	.046	.753	.428	-.20	-.03	-.08				
d. abroad <sup>l</sup>	120	.064	.028	.028	.028	.0225	.0012	.0012	.0004	--	--	--	--	--	--	--	.017	.017	.017	.18	.18	.18				
e. research <sup>l</sup>	120	.057	.050	.039	.047	.0213	.0016	.0014	.0005	--	--	--	--	--	--	--	.718	.299	.584	.03	.09	.05				
f. capstone <sup>l</sup>	120	.048	.018	.020	.020	.0196	.0010	.0010	.0003	--	--	--	--	--	--	--	.017	.034	.029	.17	.15	.16				
12. servcourse	117	1.55	1.57	1.67	1.64	.063	.005	.005	.002	.69	.67	.74	.71	18,503	18,682	160,398	.815	.082	.200	-.02	-.16	-.12				
13 a. QIstudent	116	5.41	5.41	5.52	5.45	.123	.010	.010	.003	1.32	1.33	1.38	1.36	18,360	18,145	157,610	.951	.394	.775	.01	-.08	-.03				
b. QIadvisor	114	5.32	5.38	5.51	5.38	.148	.012	.012	.004	1.58	1.56	1.59	1.58	18,064	18,239	156,526	.695	.200	.657	-.04	-.12	-.04				
c. QIfaculty	115	5.62	5.35	5.54	5.41	.103	.010	.010	.003	1.11	1.32	1.39	1.37	116	117	115	.009	.421	.042	.21	.06	.16				
d. QIstaff	105	5.26	5.17	5.28	5.19	.134	.012	.013	.004	1.37	1.52	1.62	1.58	16,624	106	105	.553	.923	.597	.06	-.01	.05				
e. QIadmin	109	5.20	5.11	5.31	5.15	.138	.012	.012	.004	1.44	1.53	1.61	1.59	16,399	109	147,732	.560	.413	.783	.06	-.07	.03				
14 a. empstudy	116	3.06	3.10	3.09	3.08	.073	.005	.006	.002	.79	.74	.76	.75	18,367	18,551	159,174	.622	.704	.785	-.05	-.04	-.03				
b. SEacademic	116	3.08	3.02	3.09	3.04	.074	.006	.006	.002	.80	.81	.85	.83	18,321	18,491	158,699	.369	.938	.607	.08	-.01	.05				
c. SElearnsup	116	2.96	3.07	3.14	3.10	.089	.006	.007	.002	.96	.87	.89	.88	18,309	18,464	158,607	.148	.025	.081	-.13	-.21	-.16				
d. SEdiverse	116	2.57	2.73	2.81	2.77	.097	.007	.007	.002	1.04	.94	.97	.95	116	116	115	.090	.013	.042	-.18	-.25	-.21				
e. SEsocial	116	2.87	2.96	2.97	2.96	.079	.006	.007	.002	.85	.86	.92	.88	18,245	18,415	158,031	.251	.251	.268	-.11	-.11	-.10				
f. SEwellness	116	2.82	2.90	2.90	2.92	.078	.007	.007	.002	.84	.88	.94	.90	18,200	18,342	157,743	.381	.378	.271	-.08	-.08	-.10				



# NSSE 2020 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup> Ferris State University

### First-Year Students

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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
g. SEnonacad	116	2.14	2.28	2.38	2.35	.088	.007	.007	.002	.95	.95	1.01	.97	18,189	117	157,714	.124	.008	.024	-.14	-.24	-.21				
h. SEactivities	116	2.71	2.79	2.69	2.79	.079	.007	.008	.002	.85	.90	1.03	.94	18,176	117	157,467	.295	.838	.314	-.10	.02	-.09				
i. SEevents	116	2.26	2.41	2.42	2.47	.081	.007	.007	.002	.88	.93	1.01	.96	18,176	117	115	.076	.049	.013	-.17	-.16	-.21				
15 a. SBmyself	116	3.26	3.24	3.27	3.26	.061	.007	.008	.002	.66	.67	.71	.69	9,667	9,081	88,919	.845	.855	.949	.02	-.02	-.01				
b. SBvalued	116	3.02	2.96	3.08	3.01	.065	.007	.008	.003	.70	.72	.75	.74	9,662	9,065	88,806	.341	.396	.806	.09	-.08	.02				
c. SBcommunity	116	2.97	2.98	3.04	3.02	.072	.008	.008	.003	.78	.75	.79	.77	9,670	9,073	88,917	.900	.308	.519	-.01	-.10	-.06				
16 a. tmprephrs	115	14.54	15.06	14.06	14.41	.766	.061	.061	.021	8.20	8.18	8.22	8.15	18,101	18,255	156,839	.499	.533	.865	-.06	.06	.02				
b. tmcocurrhrs	115	5.33	5.39	5.11	5.61	.684	.049	.053	.018	7.32	6.57	7.10	7.04	18,073	18,183	156,382	.926	.736	.675	-.01	.03	-.04				
c. tmworkonhrs	113	2.85	2.65	2.14	2.42	.634	.044	.041	.015	6.75	5.89	5.51	5.76	18,061	113	156,459	.714	.262	.428	.03	.13	.07				
d. tmworkoffhrs	114	6.62	5.36	8.06	5.92	.958	.069	.089	.026	10.22	9.25	11.95	10.11	18,085	115	156,605	.148	.137	.462	.14	-.12	.07				
— tmworkhrs	113	9.29	7.97	10.17	8.31	1.178	.082	.096	.030	12.50	10.98	12.88	11.68	18,005	18,136	155,914	.204	.472	.372	.12	-.07	.08				
e. tmservicehrs	114	2.46	2.31	2.86	2.52	.485	.034	.040	.012	5.18	4.60	5.34	4.90	18,078	18,199	156,528	.726	.421	.899	.03	-.08	-.01				
f. tmrelaxhrs	113	14.65	13.30	11.82	12.55	.824	.063	.065	.022	8.76	8.49	8.76	8.61	18,081	18,199	156,510	.092	.001	.010	.16	.32	.24				
g. tmcarehrs	112	2.01	1.95	5.63	3.07	.565	.042	.079	.019	5.99	5.58	10.63	7.55	18,046	116	112	.904	.000	.064	.01	-.34	-.14				
h. tmcommutehrs	113	4.93	4.14	3.42	4.10	.652	.045	.046	.016	6.93	5.99	6.15	6.34	18,072	18,194	156,561	.164	.009	.163	.13	.25	.13				
17. reading	113	2.48	2.60	2.82	2.71	.096	.008	.008	.003	1.02	1.08	1.10	1.09	18,050	18,178	156,255	.205	.001	.020	-.12	-.31	-.22				
— tmreadinghrs	113	5.65	6.31	6.74	6.46	.448	.041	.045	.014	4.77	5.51	6.04	5.70	17,969	114	155,583	.201	.017	.127	-.12	-.18	-.14				
18 a. pgwrite	112	2.51	2.70	2.93	2.80	.085	.007	.006	.002	.90	.88	.86	.87	17,951	113	155,527	.025	.000	.000	-.21	-.49	-.33				
b. pgspeak	112	2.67	2.58	2.78	2.68	.079	.007	.007	.002	.83	.93	.93	.92	113	18,069	155,498	.240	.207	.865	.10	-.12	-.02				
c. pgthink	112	2.95	3.06	3.15	3.08	.079	.006	.006	.002	.83	.80	.80	.80	17,943	18,092	155,535	.138	.009	.094	-.14	-.25	-.16				
d. pganalyze	112	2.42	2.69	2.68	2.68	.089	.007	.007	.002	.94	.93	.97	.94	17,947	18,072	155,495	.002	.006	.005	-.29	-.26	-.27				
e. pgwork	111	2.77	2.58	2.71	2.63	.086	.007	.007	.002	.91	.94	.97	.95	17,928	112	155,531	.040	.541	.123	.20	.05	.15				
f. pgothers	112	2.83	2.82	2.92	2.86	.082	.007	.007	.002	.87	.87	.89	.88	17,951	18,070	155,435	.939	.278	.751	.01	-.10	-.03				
g. pgvalues	112	2.47	2.62	2.85	2.72	.092	.007	.007	.002	.97	.94	.94	.94	17,954	18,070	155,432	.079	.000	.004	-.17	-.40	-.27				
h. pgdiverse	112	2.60	2.76	2.90	2.81	.088	.007	.007	.002	.94	.92	.93	.93	17,950	18,078	155,454	.057	.000	.014	-.18	-.33	-.23				
i. pgprobsolve	112	2.64	2.61	2.72	2.66	.088	.007	.007	.002	.93	.92	.95	.93	17,948	18,092	155,504	.735	.335	.783	.03	-.09	-.03				
j. pgcitizen	111	2.50	2.58	2.74	2.66	.083	.007	.007	.002	.87	.95	.96	.94	17,969	18,097	155,673	.357	.009	.074	-.09	-.25	-.17				
19. evalexp	112	3.16	3.14	3.25	3.18	.064	.005	.006	.002	.68	.73	.74	.74	18,042	113	156,478	.807	.129	.748	.02	-.13	-.03				
20. sameinst	112	3.20	3.20	3.27	3.21	.073	.006	.006	.002	.77	.78	.80	.80	18,127	18,265	157,186	.950	.384	.907	.01	-.08	-.01				
21. returnexp <sup>1</sup>	112	.866	.881	.882	.879	.0323	.0024	.0024	.0008	--	--	--	--	--	--	--	.627	.617	.688	-.04	-.05	-.04				

# NSSE 2020 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup> Ferris State University

### 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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
1 a. askquest	593	3.15	2.99	3.22	3.05	.035	.006	.005	.002	.86	.88	.85	.88	25,221	28,412	214,420	.000	.061	.009	.18	-.08	.11				
b. unpreparedr	592	3.17	2.92	3.15	3.02	.034	.005	.005	.002	.83	.83	.81	.82	25,128	28,290	594	.000	.748	.000	.30	.01	.18				
c. attendart	594	1.60	1.74	1.65	1.75	.035	.006	.005	.002	.85	.87	.87	.89	25,079	28,249	213,035	.000	.150	.000	-.17	-.06	-.17				
d. CLaskhelp	594	2.30	2.52	2.19	2.43	.037	.006	.006	.002	.89	.90	.97	.93	623	623	597	.000	.004	.000	-.25	.11	-.14				
e. CLexplain	595	2.62	2.80	2.47	2.70	.037	.005	.006	.002	.91	.84	.95	.90	619	28,224	212,545	.000	.000	.033	-.21	.16	-.09				
f. CLstudy	592	2.37	2.50	2.24	2.46	.041	.006	.006	.002	.99	.99	1.06	1.02	24,883	620	211,463	.001	.002	.029	-.13	.12	-.09				
g. CLproject	591	2.87	2.91	2.67	2.81	.037	.006	.006	.002	.91	.89	1.00	.95	24,808	621	593	.301	.000	.113	-.04	.20	.06				
h. present	590	2.74	2.68	2.49	2.67	.040	.006	.006	.002	.98	.94	1.03	.98	24,774	618	210,353	.096	.000	.062	.07	.24	.08				
2 a. RIintegrate	585	2.89	2.93	2.86	2.91	.035	.005	.005	.002	.84	.82	.87	.85	24,532	611	208,327	.285	.334	.567	-.04	.04	-.02				
b. RISocietal	584	2.64	2.72	2.84	2.78	.036	.006	.005	.002	.87	.91	.90	.91	24,370	27,600	207,316	.027	.000	.000	-.09	-.22	-.15				
c. RIDiverse	583	2.51	2.56	2.72	2.62	.037	.006	.006	.002	.90	.96	.94	.96	615	27,447	586	.174	.000	.003	-.05	-.23	-.11				
d. Rlownview	584	2.68	2.80	2.92	2.85	.034	.005	.005	.002	.81	.83	.81	.83	23,982	609	204,327	.001	.000	.000	-.14	-.29	-.20				
e. Rlperspect	577	2.83	2.94	3.02	2.99	.034	.005	.005	.002	.81	.80	.78	.80	23,704	600	580	.001	.000	.000	-.14	-.25	-.19				
f. RInewview	569	2.82	2.94	3.00	2.97	.034	.005	.005	.002	.81	.78	.79	.79	595	592	571	.000	.000	.000	-.16	-.23	-.20				
g. RIconnect	567	3.11	3.16	3.24	3.19	.030	.005	.004	.002	.73	.72	.72	.73	594	590	569	.060	.000	.004	-.08	-.19	-.12				
3 a. SFcareer	569	2.56	2.43	2.37	2.45	.042	.007	.006	.002	1.00	.98	1.01	.99	23,180	26,620	197,909	.003	.000	.013	.13	.19	.10				
b. SFotherwork	567	1.93	1.99	1.80	1.96	.042	.007	.006	.002	1.01	1.02	1.00	1.02	23,035	26,537	197,125	.189	.003	.425	-.06	.13	-.03				
c. SFdiscuss	561	2.18	2.17	1.99	2.16	.040	.006	.006	.002	.94	.93	.97	.96	22,890	26,349	195,662	.791	.000	.530	.01	.20	.03				
d. SFperform	564	2.25	2.13	2.15	2.22	.038	.006	.006	.002	.90	.91	.92	.93	22,880	26,350	195,664	.001	.006	.343	.14	.12	.04				
4 a. memorize	555	2.60	2.75	2.67	2.76	.037	.006	.006	.002	.88	.87	.91	.88	22,710	26,217	194,468	.000	.089	.000	-.17	-.07	-.18				
b. HOapply	554	2.96	3.05	3.10	3.07	.035	.005	.005	.002	.81	.80	.78	.79	22,643	26,121	193,648	.010	.000	.002	-.11	-.17	-.13				
c. HOanalyze	555	2.86	2.99	3.07	3.03	.036	.006	.005	.002	.85	.82	.80	.81	580	576	557	.001	.000	.000	-.15	-.26	-.21				
d. HOevaluate	552	2.83	2.85	3.05	2.94	.034	.006	.005	.002	.81	.87	.81	.85	585	25,846	191,114	.656	.000	.002	-.02	-.27	-.13				
e. HOform	553	2.83	2.89	3.03	2.96	.034	.006	.005	.002	.81	.84	.79	.82	22,280	576	190,386	.091	.000	.000	-.07	-.25	-.17				
5 a. ETgoals	554	3.05	3.10	3.20	3.15	.033	.005	.005	.002	.79	.78	.79	.78	22,130	578	557	.120	.000	.002	-.07	-.19	-.13				
b. ETorganize	552	2.98	3.03	3.12	3.06	.035	.005	.005	.002	.83	.81	.85	.83	22,101	577	188,709	.156	.000	.019	-.06	-.16	-.10				
c. ETexample	551	3.01	3.09	3.08	3.10	.034	.006	.005	.002	.79	.81	.86	.83	580	579	554	.018	.046	.008	-.10	-.08	-.11				
d. ETdraftfb	551	2.83	2.68	2.84	2.79	.039	.007	.006	.002	.92	.96	.98	.96	582	578	554	.000	.791	.244	.16	-.01	.05				
e. ETfeedback	552	2.84	2.73	2.93	2.83	.037	.006	.006	.002	.87	.90	.91	.91	582	25,457	555	.004	.022	.693	.12	-.10	.02				
6 a. QRconclude	544	2.65	2.64	2.61	2.65	.037	.006	.006	.002	.86	.91	.91	.91	574	570	547	.715	.241	.992	.02	.05	.00				
b. QRproblem	541	2.50	2.40	2.44	2.44	.041	.007	.006	.002	.94	.96	.95	.96	21,574	25,156	184,766	.013	.121	.135	.11	.07	.06				
c. QRevaluate	543	2.39	2.44	2.39	2.44	.038	.006	.006	.002	.89	.92	.93	.92	21,521	25,104	184,209	.259	.909	.213	-.05	.00	-.05				

# NSSE 2020 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup> Ferris State University

### 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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
7 a. wrshortnum	541	7.04	7.31	8.91	7.69	.270	.045	.047	.016	6.28	6.53	7.34	6.69	21,396	574	183,533	.337	.000	.023	-.04	-.26	-.10				
b. wrmednum	537	3.28	3.28	4.20	3.67	.179	.029	.033	.011	4.15	4.25	5.19	4.59	21,336	573	182,901	.991	.000	.046	.00	-.18	-.09				
c. wrlongnum	539	1.88	1.80	2.13	2.02	.166	.025	.027	.009	3.85	3.59	4.19	3.88	21,393	566	183,306	.589	.134	.392	.02	-.06	-.04				
— wrpages	535	75.40	74.70	91.85	82.36	4.250	.637	.696	.232	98.28	91.65	108.37	98.93	21,229	563	181,821	.861	.000	.104	.01	-.15	-.07				
8 a. DDrace	542	2.69	3.03	3.07	3.08	.040	.006	.006	.002	.94	.91	.94	.92	567	565	544	.000	.000	.000	-.38	-.41	-.43				
b. DDeconomic	542	2.80	3.04	3.05	3.06	.036	.006	.006	.002	.85	.86	.91	.88	21,318	24,891	182,682	.000	.000	.000	-.28	-.27	-.30				
c. DDreligion	540	2.71	3.00	2.90	2.97	.039	.006	.006	.002	.90	.90	.97	.94	567	24,900	182,709	.000	.000	.000	-.32	-.20	-.28				
d. DDpolitical	539	2.71	2.91	2.93	2.92	.038	.006	.006	.002	.89	.91	.95	.94	21,318	24,919	182,811	.000	.000	.000	-.22	-.23	-.22				
9 a. LSreading	535	2.89	3.02	3.18	3.09	.032	.006	.005	.002	.75	.81	.78	.80	21,210	559	537	.000	.000	.000	-.16	-.38	-.26				
b. LSnotes	537	2.71	2.74	2.93	2.85	.039	.006	.006	.002	.91	.93	.94	.93	21,187	24,798	181,731	.556	.000	.001	-.03	-.23	-.14				
c. LSsummary	536	2.69	2.75	2.96	2.85	.037	.006	.006	.002	.86	.91	.89	.90	567	24,794	181,712	.136	.000	.000	-.06	-.30	-.17				
10. challenge	537	5.42	5.40	5.76	5.56	.053	.009	.008	.003	1.23	1.30	1.30	1.30	21,087	24,641	539	.640	.000	.012	.02	-.26	-.10				
11 a. intern <sup>l</sup>	537	.496	.553	.388	.481	.0216	.0035	.0031	.0012	--	--	--	--	--	--	--	.009	.000	.497	-.11	.22	.03				
b. leader <sup>l</sup>	535	.287	.401	.263	.343	.0196	.0034	.0028	.0011	--	--	--	--	--	--	--	.000	.200	.007	-.24	.06	-.12				
c. learncom <sup>l</sup>	529	.220	.262	.191	.224	.0180	.0031	.0025	.0010	--	--	--	--	--	--	--	.030	.101	.812	-.10	.07	-.01				
d. abroad <sup>l</sup>	534	.064	.162	.102	.140	.0106	.0026	.0020	.0008	--	--	--	--	--	--	--	.000	.003	.000	-.32	-.14	-.26				
e. research <sup>l</sup>	534	.136	.252	.155	.228	.0149	.0030	.0023	.0010	--	--	--	--	--	--	--	.000	.239	.000	-.30	-.05	-.24				
f. capstone <sup>l</sup>	534	.445	.445	.351	.444	.0215	.0035	.0031	.0012	--	--	--	--	--	--	--	.981	.000	.955	.00	.19	.00				
12. servcourse	531	1.80	1.67	1.80	1.75	.035	.005	.005	.002	.81	.69	.76	.72	550	24,410	532	.001	.903	.179	.18	-.01	.07				
13 a. QIstudent	513	5.59	5.55	5.68	5.60	.058	.009	.009	.003	1.31	1.28	1.34	1.33	20,609	23,277	173,974	.495	.170	.900	.03	-.06	-.01				
b. QIadvisor	518	5.44	5.09	5.48	5.29	.072	.013	.011	.004	1.63	1.78	1.69	1.74	549	23,865	521	.000	.657	.031	.20	-.02	.09				
c. QIfaculty	520	5.60	5.41	5.70	5.54	.056	.010	.009	.003	1.28	1.35	1.37	1.38	20,704	23,940	523	.002	.089	.297	.14	-.08	.04				
d. QIstaff	374	4.95	4.93	5.19	5.02	.084	.013	.013	.004	1.63	1.64	1.73	1.70	17,135	391	145,476	.827	.005	.483	.01	-.14	-.04				
e. QIadmin	477	5.23	4.87	5.28	5.02	.070	.012	.011	.004	1.54	1.67	1.69	1.70	505	501	479	.000	.481	.003	.22	-.03	.12				
14 a. empstudy	533	2.97	3.09	3.10	3.11	.034	.005	.005	.002	.78	.76	.78	.77	20,765	24,307	177,971	.000	.000	.000	-.16	-.17	-.19				
b. SEacademic	530	2.79	2.87	2.99	2.93	.036	.006	.006	.002	.84	.85	.88	.86	20,717	24,261	177,613	.055	.000	.000	-.08	-.23	-.16				
c. SElearnsup	527	2.59	2.79	2.94	2.86	.041	.007	.006	.002	.93	.92	.94	.94	20,691	550	177,439	.000	.000	.000	-.21	-.37	-.29				
d. SEdiverse	528	2.47	2.56	2.69	2.63	.042	.007	.007	.002	.96	.98	1.01	1.00	20,661	24,194	177,117	.028	.000	.000	-.10	-.22	-.16				
e. SEsocial	527	2.59	2.83	2.75	2.81	.040	.006	.006	.002	.93	.90	.98	.93	552	24,154	176,950	.000	.000	.000	-.26	-.17	-.24				
f. SEwellness	527	2.43	2.70	2.66	2.72	.042	.007	.007	.002	.96	.95	1.01	.97	20,606	24,096	176,726	.000	.000	.000	-.29	-.24	-.30				

# NSSE 2020 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup> Ferris State University

### 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>		
	Ferris State	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Ferris State	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Comparisons with:			Comparisons with:			Comparisons with:						
														Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020	Great Lakes Public	Carnegie Class	NSSE 2019 & 2020				
g. SEnonacad	521	2.01	2.00	2.17	2.11	.040	.007	.007	.002	.92	.94	1.03	.99	20,600	524	524	.825	.000	.014	.01	-.16	-.10				
h. SEactivities	523	2.28	2.60	2.35	2.54	.042	.007	.007	.002	.96	.94	1.07	1.00	20,574	551	525	.000	.099	.000	-.34	-.07	-.26				
i. SEevents	523	2.16	2.29	2.22	2.30	.040	.006	.007	.002	.91	.92	1.02	.97	20,582	551	525	.001	.163	.001	-.15	-.06	-.14				
15 a. SBmyself	526	3.32	3.30	3.34	3.32	.030	.007	.007	.002	.68	.71	.71	.71	11,477	10,887	103,554	.732	.427	.881	.02	-.04	-.01				
b. SBvalued	526	2.92	2.86	3.02	2.93	.036	.008	.008	.003	.84	.85	.83	.85	11,462	10,881	103,451	.097	.005	.697	.07	-.12	-.02				
c. SBcommunity	525	2.90	2.91	3.00	2.96	.037	.008	.008	.003	.85	.84	.83	.83	11,459	576	529	.886	.010	.091	-.01	-.12	-.08				
16 a. tmprephrs	525	13.38	14.98	15.05	14.95	.371	.062	.057	.021	8.50	8.82	8.80	8.76	554	549	527	.000	.000	.000	-.18	-.19	-.18				
b. tmcocurrhrs	526	3.62	5.26	4.02	4.96	.265	.050	.045	.017	6.07	7.05	6.90	7.18	563	556	529	.000	.136	.000	-.23	-.06	-.19				
c. tmworkonhrs	525	3.39	4.53	2.61	3.64	.312	.055	.042	.017	7.16	7.79	6.40	7.13	557	543	175,617	.000	.014	.426	-.15	.12	-.03				
d. tmworkoffhrs	527	16.65	11.34	16.09	13.02	.621	.089	.093	.032	14.26	12.59	14.31	13.39	548	23,993	529	.000	.375	.000	.42	.04	.27				
— tmworkhrs	525	20.09	15.86	18.70	16.64	.601	.090	.093	.032	13.77	12.72	14.18	13.47	548	23,865	175,054	.000	.026	.000	.33	.10	.26				
e. tmservicehrs	527	2.77	2.84	3.75	3.27	.223	.036	.040	.014	5.12	5.11	6.18	5.72	20,499	561	530	.750	.000	.024	-.01	-.16	-.09				
f. tmrelaxhrs	526	11.14	11.95	9.73	10.93	.359	.059	.052	.020	8.22	8.41	7.90	8.22	20,499	23,974	175,636	.029	.000	.553	-.10	.18	.03				
g. tmcarehrs	525	7.66	4.09	10.12	6.26	.526	.065	.088	.027	12.05	9.19	13.44	11.19	540	554	527	.000	.000	.008	.38	-.18	.13				
h. tmcommutehrs	526	4.23	5.12	3.90	5.02	.239	.041	.041	.015	5.48	5.85	6.35	6.43	557	557	529	.000	.183	.001	-.15	.05	-.12				
17. reading	526	2.55	2.61	2.96	2.81	.047	.008	.007	.003	1.09	1.18	1.14	1.18	558	23,946	529	.226	.000	.000	-.05	-.36	-.21				
— tmreadinghrs	524	5.34	6.32	7.81	7.07	.213	.041	.044	.015	4.87	5.85	6.74	6.32	563	569	528	.000	.000	.000	-.17	-.37	-.27				
18 a. pgwrite	524	2.80	2.91	3.14	3.02	.038	.006	.006	.002	.86	.90	.86	.88	20,425	23,871	175,003	.008	.000	.000	-.12	-.40	-.24				
b. pgspeak	520	2.77	2.84	2.98	2.93	.039	.007	.006	.002	.90	.94	.94	.93	20,413	23,882	174,978	.091	.000	.000	-.08	-.22	-.18				
c. pgthink	524	3.10	3.28	3.35	3.31	.034	.006	.005	.002	.79	.80	.76	.78	551	545	526	.000	.000	.000	-.23	-.32	-.27				
d. pganalyze	522	2.75	2.90	2.87	2.90	.041	.007	.006	.002	.94	.96	.98	.97	20,430	23,869	175,005	.001	.006	.000	-.15	-.12	-.16				
e. pgwork	523	3.04	2.93	3.04	2.95	.040	.007	.006	.002	.91	.96	.94	.96	553	23,874	525	.010	.927	.033	.11	.00	.09				
f. pgothers	524	2.95	3.03	3.08	3.06	.038	.006	.006	.002	.88	.88	.91	.89	20,417	23,872	174,972	.033	.002	.007	-.09	-.14	-.12				
g. pgvalues	522	2.68	2.75	3.00	2.86	.042	.007	.006	.002	.95	.99	.96	.98	20,413	545	174,870	.124	.000	.000	-.07	-.33	-.18				
h. pgdiverse	522	2.58	2.81	2.96	2.88	.041	.007	.006	.002	.94	.96	.96	.97	20,413	545	174,949	.000	.000	.000	-.25	-.39	-.31				
i. pgprobsolve	524	2.75	2.82	2.91	2.86	.040	.007	.006	.002	.90	.94	.94	.95	20,421	23,872	174,970	.093	.000	.011	-.07	-.17	-.11				
j. pgcitizen	524	2.49	2.64	2.83	2.73	.042	.007	.006	.002	.96	.99	.99	.99	20,453	23,887	175,151	.001	.000	.000	-.15	-.34	-.24				
19. evalexp	522	3.08	3.18	3.34	3.24	.035	.006	.005	.002	.79	.78	.75	.77	20,510	541	523	.008	.000	.000	-.12	-.34	-.21				
20. sameinst	523	3.18	3.18	3.31	3.23	.037	.006	.005	.002	.84	.85	.83	.85	20,558	545	176,402	.872	.000	.166	-.01	-.16	-.06				

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### Endnotes

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