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# NSSE 2017

## Frequencies and Statistical Comparisons

Western Michigan University

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**Please note:** The layout of this file is optimized for printing and PDF creation, not on-screen viewing. When the Excel version is viewed on screen, some cells appear to contain truncated text or misplaced line breaks. This is due to differences in Excel between on-screen display and what appears in print or PDF.

# NSSE 2017 Frequencies and Statistical Comparisons

## About This Report

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

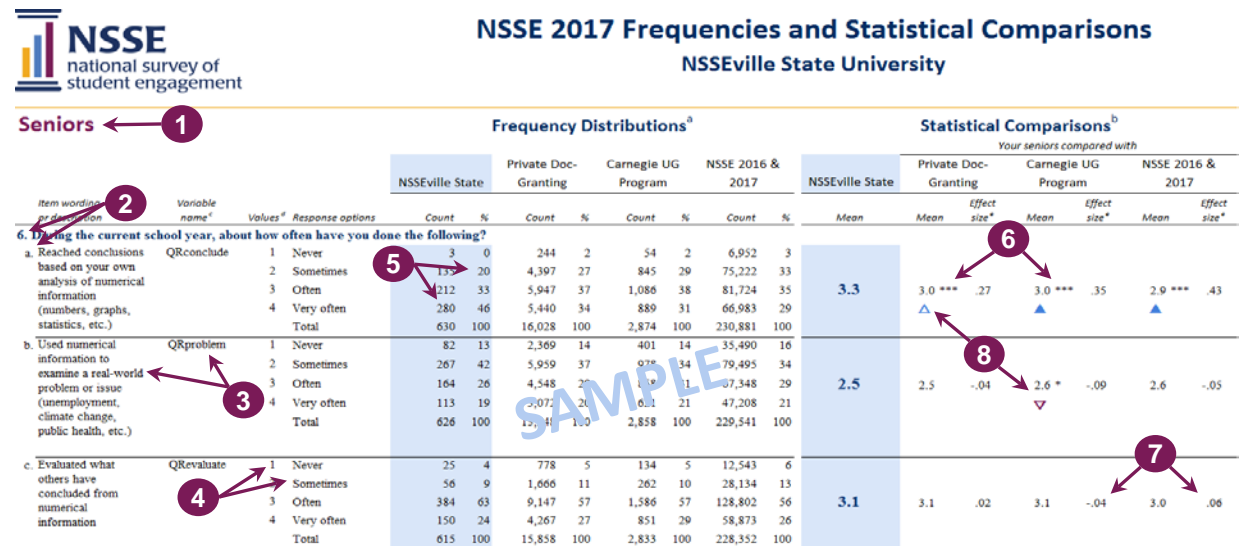
- Class level:** As reported by your institution.
- Item numbers:** Numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.
- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.

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

- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the weighted percentage of students selecting the corresponding response option.

**Note:** Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: [nsse.indiana.edu/html/weighting.cfm](http://nsse.indiana.edu/html/weighting.cfm)

- Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ ). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent  $t$ -tests. Exceptions are items 11 a-f which are compared using a  $z$ -test.



Item wording or description	Variable name <sup>f</sup>	Values <sup>g</sup>	Response options	Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>											
				NSSEville State		Private Doc-Granting		Carnegie UG Program		NSSE 2016 & 2017		NSSEville State		Private Doc-Granting		Carnegie UG Program		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>h</sup>	Mean	Effect size <sup>h</sup>	Mean	Effect size <sup>h</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1 2 3 4	Never Sometimes Often Very often	3 135 212 280	0 20 33 46	244 4,397 5,947 5,440	2 27 37 34	54 845 1,086 889	2 29 38 31	6,952 75,222 81,724 66,983	3 33 35 29	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1 2 3 4	Never Sometimes Often Very often	82 267 164 113	13 42 26 19	2,369 5,959 4,548 3,072	14 37 34 21	401 978 1,111 661	14 34 31 21	35,490 79,495 67,348 47,208	16 34 29 21	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
c. Evaluated what others have concluded from numerical information	QRevaluate	1 2 3 4	Never Sometimes Often Very often	25 56 384 150	4 9 63 24	778 1,666 9,147 4,267	5 11 57 27	134 262 1,586 851	5 10 57 29	12,543 28,134 128,802 58,873	6 13 56 26	3.1	3.1	.02	3.1	-.04	3.0	.06	
			Total	630 280 630 626	100 100 100 100	16,028 16,028 100 100	2,874 2,874 100 100	230,881 230,881 100 100											

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

8. **Key to symbols:**

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

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



# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	25	4	130	4	1,372	4	8,190	4	<b>2.7</b>	2.8	-.04	2.7	-.04	2.8 **	▽	-.13
		2	Sometimes	224	40	1,429	40	13,336	39	90,081	36								
		3	Often	191	34	1,266	35	11,628	35	91,859	35								
		4	Very often	118	21	795	22	7,274	22	66,164	26								
		Total		558	100	3,620	100	33,610	100	256,294	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	89	16	715	21	6,375	19	42,150	17	<b>2.5</b>	2.4	.06	2.4	.04	2.5	-.03	
		2	Sometimes	205	38	1,237	35	11,935	36	90,077	35								
		3	Often	173	31	1,006	28	9,531	29	75,624	30								
		4	Very often	85	15	636	17	5,482	16	46,576	18								
		Total		552	100	3,594	100	33,323	100	254,427	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	28	5	185	5	1,666	5	11,951	5	<b>3.0</b>	3.0	.00	3.0	-.03	3.0 *	▽	-.09
		2	Often	84	15	495	14	4,575	14	31,645	13								
		3	Sometimes	312	57	2,097	58	19,063	57	143,615	56								
		4	Never	130	23	814	22	7,949	24	66,901	27								
		Total		554	100	3,591	100	33,253	100	254,112	100								
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	140	26	1,290	37	12,233	38	91,042	39	<b>2.2</b>	1.9 ***	.29	1.9 ***	.32	1.9 ***	▲	.31
		2	Sometimes	216	39	1,447	40	13,034	38	98,585	38								
		3	Often	123	22	580	16	5,420	16	42,195	15								
		4	Very often	72	13	268	8	2,485	7	21,663	8								
		Total		551	100	3,585	100	33,172	100	253,485	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	43	8	250	8	2,315	8	21,334	10	<b>2.7</b>	2.7	.04	2.7	.04	2.6 **	▲	.13
		2	Sometimes	186	34	1,232	35	11,620	36	92,609	37								
		3	Often	205	37	1,446	40	12,607	37	92,350	35								
		4	Very often	116	21	652	17	6,586	19	46,857	17								
		Total		550	100	3,580	100	33,128	100	253,150	100								
f. Explained course material to one or more students	CLexplain	1	Never	23	4	142	4	1,277	4	12,686	6	<b>2.7</b>	2.8 *	-.09	2.8	-.07	2.7	▽	.01
		2	Sometimes	221	40	1,177	33	11,460	35	90,980	36								
		3	Often	202	37	1,547	43	13,879	42	102,234	39								
		4	Very often	102	19	709	20	6,446	19	46,692	18								
		Total		548	100	3,575	100	33,062	100	252,592	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	85	16	479	14	3,962	13	34,175	16	<b>2.5</b>	2.6	-.05	2.6 *	-.09	2.5	-.01
		2	Sometimes	188	34	1,243	35	11,190	34	86,607	35							
		3	Often	179	33	1,161	32	11,061	33	82,082	31							
		4	Very often	95	17	684	19	6,718	20	48,933	19							
		Total		547	100	3,567	100	32,931	100	251,797	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	47	9	262	8	2,158	7	18,915	9	<b>2.6</b>	2.6	-.05	2.7 *	-.09	2.6	-.04
		2	Sometimes	216	39	1,372	38	12,364	38	93,320	37							
		3	Often	198	37	1,323	37	12,310	37	93,584	36							
		4	Very often	85	15	601	17	5,989	18	45,095	17							
		Total		546	100	3,558	100	32,821	100	250,914	100							
i. Given a course presentation	present	1	Never	135	25	801	23	6,884	21	45,176	19	<b>2.1</b>	2.2	-.07	2.2 **	-.13	2.3 ***	-.21
		2	Sometimes	256	47	1,674	47	15,211	46	111,392	44							
		3	Often	122	23	806	22	7,767	24	66,898	26							
		4	Very often	31	6	276	8	2,948	9	27,378	11							
		Total		544	100	3,557	100	32,810	100	250,844	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	47	9	294	9	2,415	8	19,452	9	<b>2.5</b>	2.6	-.07	2.6 *	-.09	2.6	-.08
		2	Sometimes	233	43	1,425	40	12,966	40	98,523	40							
		3	Often	197	36	1,312	37	12,335	38	92,962	37							
		4	Very often	63	12	486	14	4,614	14	36,444	15							
		Total		540	100	3,517	100	32,330	100	247,381	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	57	11	364	11	2,998	10	21,693	10	<b>2.5</b>	2.5	-.02	2.5	-.07	2.6 *	-.10
		2	Sometimes	219	41	1,431	40	12,833	40	95,186	39							
		3	Often	196	36	1,244	35	11,563	36	90,088	36							
		4	Very often	64	12	463	14	4,751	15	39,225	16							
		Total		536	100	3,502	100	32,145	100	246,192	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	77	15	414	12	3,472	11	23,922	11	<b>2.5</b>	2.5	-.05	2.5	-.07	2.6 *	-.09
		2	Sometimes	192	36	1,343	38	12,401	39	93,551	38							
		3	Often	196	36	1,208	34	11,092	35	86,087	34							
		4	Very often	72	13	527	15	5,028	16	41,562	17							
		Total		537	100	3,492	100	31,993	100	245,122	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	28	5	197	6	1,596	5	11,304	5	<b>2.8</b>	2.7	.07	2.8	.06	2.8	.04
		2	Sometimes	163	30	1,148	31	10,300	32	78,199	32							
		3	Often	232	44	1,549	45	14,503	46	109,931	45							
		4	Very often	107	21	578	18	5,431	17	44,512	19							
		Total		530	100	3,472	100	31,830	100	243,946	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	19	4	131	4	1,030	4	7,167	3	<b>2.9</b>	2.9	.09	2.9	.07	2.9	.06
		2	Sometimes	129	24	959	27	8,742	28	66,714	28							
		3	Often	240	46	1,603	46	14,661	46	111,609	45							
		4	Very often	135	26	762	22	7,190	23	56,994	24							
		Total		523	100	3,455	100	31,623	100	242,484	100							
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	14	3	117	4	900	3	6,666	3	<b>2.9</b>	2.8 *	.12	2.8	.09	2.8	.06
		2	Sometimes	143	27	1,067	31	9,559	31	72,000	31							
		3	Often	246	48	1,575	45	14,312	45	110,276	45							
		4	Very often	119	23	664	20	6,619	21	52,051	21							
		Total		522	100	3,423	100	31,390	100	240,993	100							
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	5	1	58	2	414	1	3,131	2	<b>3.0</b>	3.0 *	.09	3.0	.02	3.0	.01
		2	Sometimes	114	22	805	25	6,700	22	50,737	22							
		3	Often	254	49	1,711	49	15,613	49	120,255	49							
		4	Very often	141	27	836	25	8,490	27	65,580	27							
		Total		514	100	3,410	100	31,217	100	239,703	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	73	15	555	17	7,078	22	48,680	22	<b>2.5</b>	2.3 **	.14	2.2 ***	.28	2.2 ***	.25
		2	Sometimes	202	40	1,534	44	13,910	45	105,886	44							
		3	Often	152	29	877	26	6,842	22	56,623	23							
		4	Very often	86	17	445	13	3,396	11	28,673	12							
		Total		513	100	3,411	100	31,226	100	239,862	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	198	39	1,577	46	15,523	49	113,844	49	<b>1.9</b>	1.8 **	.14	1.8 ***	.20	1.8 ***	.18
		2	Sometimes	185	37	1,122	33	9,802	32	76,822	31							
		3	Often	85	16	486	14	4,059	13	33,485	14							
		4	Very often	41	8	222	7	1,752	6	15,015	6							
		Total		509	100	3,407	100	31,136	100	239,166	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	135	27	1,161	34	10,545	34	74,708	33	<b>2.1</b>	2.0 **	.13	2.0 **	.14	2.0 *	.11
		2	Sometimes	234	47	1,413	42	13,248	43	102,564	42							
		3	Often	95	19	586	18	5,361	18	44,203	18							
		4	Very often	42	8	224	7	1,846	6	16,684	7							
		Total		506	100	3,384	100	31,000	100	238,159	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	85	17	819	24	8,515	26	57,226	25	<b>2.3</b>	2.1 ***	.18	2.1 ***	.25	2.1 ***	.20
		2	Sometimes	237	47	1,593	47	14,360	47	110,650	46							
		3	Often	128	26	717	22	6,077	20	51,081	21							
		4	Very often	53	10	255	8	2,014	7	19,010	8							
		Total		503	100	3,384	100	30,966	100	237,967	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	16	3	87	3	999	3	8,878	4	<b>2.9</b>	3.0	.00	2.9	.02	2.9	.06
		2	Some	121	24	803	25	7,638	25	61,809	26							
		3	Quite a bit	240	48	1,565	46	14,426	47	109,026	46							
		4	Very much	129	25	916	26	7,840	25	58,002	24							
		Total		506	100	3,371	100	30,903	100	237,715	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	15	3	115	4	932	3	7,949	4	<b>2.9</b>	2.9	-.01	2.9	-.08	2.9	-.05
		2	Some	145	29	920	27	7,200	24	58,283	25							
		3	Quite a bit	231	46	1,570	46	14,750	48	112,490	47							
		4	Very much	113	23	763	23	7,938	25	58,243	24							
		Total		504	100	3,368	100	30,820	100	236,965	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	16	3	120	4	1,054	4	8,291	4	<b>2.9</b>	2.9	.01	2.9	-.06	2.9	-.06
		2	Some	158	31	976	28	7,916	26	61,154	26							
		3	Quite a bit	210	42	1,530	46	14,057	46	106,632	45							
		4	Very much	119	24	725	22	7,637	25	59,805	25							
		Total		503	100	3,351	100	30,664	100	235,882	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	21	4	141	4	1,331	4	9,067	4	<b>2.8</b>	2.8	.03	2.9	-.02	2.9	-.05
		2	Some	149	30	1,000	29	8,596	28	62,536	27							
		3	Quite a bit	218	44	1,520	46	13,860	46	107,942	45							
		4	Very much	112	22	677	20	6,835	22	56,045	24							
		Total		500	100	3,338	100	30,622	100	235,590	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	22	4	156	5	1,347	5	9,436	4	<b>2.8</b>	2.8	.04	2.8	.00	2.9	-.03
		2	Some	144	28	993	29	8,594	28	63,974	28							
		3	Quite a bit	223	45	1,517	46	13,873	45	107,535	45							
		4	Very much	110	22	670	21	6,763	22	54,298	23							
		Total	499	100	3,336	100	30,577	100	235,243	100								
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	12	2	76	2	647	2	4,588	2	<b>3.0</b>	3.0	.02	3.0	-.01	3.1	-.05
		2	Some	95	19	704	21	6,319	21	46,114	20							
		3	Quite a bit	258	51	1,629	48	14,675	48	110,992	46							
		4	Very much	134	27	921	28	8,929	29	73,590	32							
		Total	499	100	3,330	100	30,570	100	235,284	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	22	4	107	3	944	3	6,966	3	<b>2.9</b>	3.0	-.03	3.0	-.06	3.0 *	-.09
		2	Some	111	22	723	21	6,460	21	48,023	21							
		3	Quite a bit	239	48	1,660	49	14,800	48	111,286	47							
		4	Very much	127	25	844	26	8,331	27	68,709	29							
		Total	499	100	3,334	100	30,535	100	234,984	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	20	4	115	4	1,001	4	7,304	4	<b>2.9</b>	3.0 *	-.10	3.0 *	-.09	3.0 *	-.11
		2	Some	126	25	697	21	6,691	22	50,188	22							
		3	Quite a bit	223	45	1,559	46	13,566	44	103,296	43							
		4	Very much	129	26	955	29	9,209	30	73,849	31							
		Total	498	100	3,326	100	30,467	100	234,637	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	52	11	270	8	2,747	9	17,170	8	<b>2.7</b>	2.8	-.09	2.7	-.08	2.8 ***	-.16
		2	Some	152	31	1,058	32	9,703	31	66,795	29							
		3	Quite a bit	194	39	1,234	37	11,156	37	89,200	37							
		4	Very much	96	20	757	24	6,853	23	61,403	26							
		Total	494	100	3,319	100	30,459	100	234,568	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	53	10	337	9	3,048	10	18,923	8	<b>2.6</b>	2.7	-.05	2.7	-.03	2.7 **	-.12
		2	Some	169	34	1,100	32	10,443	34	73,696	31							
		3	Quite a bit	189	38	1,306	40	11,452	38	90,782	38							
		4	Very much	82	17	583	18	5,454	19	50,575	22							
		Total	493	100	3,326	100	30,397	100	233,976	100								

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



# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>6. During the current school year, about how often have you done the following?</b>																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	71	13	383	11	3,234	10	27,223	11	<b>2.5</b>	2.6	-.08	2.6 **	-.12	2.6	-.09
		2	Sometimes	191	38	1,254	37	11,104	36	86,478	36							
		3	Often	169	35	1,212	37	11,448	38	86,105	37							
		4	Very often	63	14	467	15	4,624	16	34,253	15							
		Total		494	100	3,316	100	30,410	100	234,059	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	104	20	750	22	6,497	21	49,196	21	<b>2.2</b>	2.2	.01	2.3	-.03	2.3	-.05
		2	Sometimes	215	44	1,378	41	12,512	41	96,003	41							
		3	Often	126	26	895	27	8,373	28	64,586	28							
		4	Very often	45	10	287	9	2,987	10	24,063	11							
		Total		490	100	3,310	100	30,369	100	233,848	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	117	22	651	19	5,567	18	45,301	19	<b>2.2</b>	2.3	-.08	2.3 *	-.10	2.3 *	-.09
		2	Sometimes	208	42	1,481	44	13,237	43	100,718	43							
		3	Often	135	28	895	27	8,872	29	66,755	29							
		4	Very often	34	7	285	9	2,711	9	21,148	9							
		Total		494	100	3,312	100	30,387	100	233,922	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	21	5	184	6	1,591	6	11,041	6	<b>6.7</b>	6.7	.00	6.6	.03	6.6	.02
		1.5	1-2	95	21	598	20	5,315	19	40,843	20							
		4	3-5	149	34	919	31	8,920	33	68,437	32							
		8	6-10	81	19	714	23	6,530	24	52,074	24							
		13	11-15	48	11	300	10	2,710	10	21,904	10							
		18	16-20	20	5	131	4	1,235	4	9,734	4							
		23	More than 20	22	5	149	5	1,317	5	10,355	5							
Total		436	100	2,995	100	27,618	100	214,388	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	172	38	952	34	9,423	35	71,702	35	<b>2.0</b>	2.4 **	-.12	2.2	-.07	2.2 *	-.09
		1.5	1-2	159	38	1,076	37	10,718	39	83,182	38							
		4	3-5	69	16	595	18	4,774	17	38,120	17							
		8	6-10	28	6	239	8	1,705	6	13,694	7							
		13	11-15	5	1	67	2	452	2	3,279	2							
		18	16-20	1	0	19	1	125	0	991	1							
		23	More than 20	1	0	14	1	122	0	1,059	1							
Total		435	100	2,962	100	27,319	100	212,027	100									

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. 11 pages or more	wrlongnum	0	None	313	71	2,215	75	20,741	76	160,760	76	<b>.8</b>	.8	.00	.8	.01	.9	-.02
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	94	22	535	18	4,597	17	35,410	16							
		4	3-5	15	4	98	3	920	3	6,898	3							
		8	6-10	10	2	62	2	518	2	4,046	2							
		13	11-15	2	0	28	1	242	1	1,988	1							
		18	16-20	0	0	13	0	76	0	695	0							
		23	More than 20	2	0	9	0	105	0	997	1							
		Total			436	100	2,960	100	27,199	100	210,794	100						
Estimated number of assigned pages of student writing.	wpages											<b>48.5</b>	51.3	-.04	48.8	.00	50.3	-.03
<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>																		
<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	13	3	148	5	1,254	5	9,802	5	<b>3.0</b>	3.0	.05	3.0	-.01	3.0	-.03
		2	Sometimes	124	29	866	28	7,262	26	52,570	24							
		3	Often	142	32	992	33	9,050	33	69,612	32							
		4	Very often	155	36	979	34	9,970	37	81,932	38							
			Total	434	100	2,985	100	27,536	100	213,916	100							
b. People from an economic background other than your own	DDeconomic	1	Never	16	3	119	4	1,092	4	9,147	5	<b>3.0</b>	3.0	.02	3.0	-.02	3.0	-.01
		2	Sometimes	109	26	786	26	6,694	24	50,216	24							
		3	Often	164	38	1,139	38	10,354	38	79,010	37							
		4	Very often	142	33	928	32	9,306	34	74,933	35							
			Total	431	100	2,972	100	27,446	100	213,306	100							
c. People with religious beliefs other than your own	DDreligion	1	Never	33	7	173	6	2,259	7	14,553	7	<b>2.9</b>	2.9	-.04	2.9	-.03	2.9	-.04
		2	Sometimes	117	27	821	27	7,502	27	56,607	26							
		3	Often	146	35	1,032	34	8,809	33	69,323	32							
		4	Very often	135	31	942	32	8,860	33	72,806	34							
			Total	431	100	2,968	100	27,430	100	213,289	100							
d. People with political views other than your own	DDpolitical	1	Never	30	7	138	5	1,392	5	12,282	6	<b>2.9</b>	3.0	-.07	3.0	-.04	3.0	-.01
		2	Sometimes	106	24	771	25	7,340	26	57,221	27							
		3	Often	161	38	1,034	34	9,396	34	70,996	33							
		4	Very often	134	31	1,029	35	9,306	34	72,643	34							
			Total	431	100	2,972	100	27,434	100	213,142	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>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	7	2	58	2	459	2	3,318	2	<b>3.0</b>	3.0	.03	3.0	-.05	3.0	-.07	
		2	Sometimes	91	22	751	25	6,002	22	43,823	21								
		3	Often	233	54	1,411	48	13,167	48	102,310	48								
		4	Very often	98	23	735	25	7,637	28	62,571	29								
		Total		429	100	2,955	100	27,265	100	212,022	100								
b. Reviewed your notes after class	LSnotes	1	Never	19	4	153	6	1,297	5	9,798	5	<b>2.9</b>	2.8	.03	2.9	.00	2.9	-.04	
		2	Sometimes	136	32	921	32	8,551	31	62,926	30								
		3	Often	158	37	1,070	36	9,855	36	76,208	36								
		4	Very often	117	27	812	27	7,560	28	63,002	29								
		Total		430	100	2,956	100	27,263	100	211,934	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	22	5	210	7	1,745	6	12,419	6	<b>2.8</b>	2.7	.09	2.8	.04	2.8	.00	
		2	Sometimes	138	32	985	33	8,824	32	65,687	31								
		3	Often	170	40	1,126	38	10,581	39	82,463	39								
		4	Very often	98	23	624	21	6,009	22	50,469	24								
		Total		428	100	2,945	100	27,159	100	211,038	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	2	0	22	1	171	1	1,603	1	<b>5.3</b>	5.4	-.07	5.4 **	-.14	5.4 **	-.14	
		2		2	1	36	1	303	1	2,364	1								
		3		28	7	128	4	1,114	4	8,539	4								
		4		68	16	377	13	2,969	12	23,640	12								
		5		139	32	1,001	34	9,043	34	69,866	33								
		6		118	27	780	26	7,534	27	57,550	26								
		7	Very much	71	17	598	20	5,999	22	47,478	23								
		Total		428	100	2,942	100	27,133	100	211,040	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		50	12	367	13	2,938	11	24,070	13	<b>8%</b>	7%	.05	8%	.02	8%	.01	
		Do not plan to do		23	6	152	5	1,032	4	9,738	5								
		Plan to do		321	74	2,239	75	21,114	77	160,402	74								
		Done or in progress		33	8	178	7	1,997	8	16,447	8								
		Total		427	100	2,936	100	27,081	100	210,657	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU				Carnegie Peers				Carnegie Class				NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
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	110	26	758	26	7,133	26	56,057	27	<b>11%</b>	12%	-.02	11%	.00	11%	.00	
			Do not plan to do	80	19	757	26	5,639	22	46,217	24								
			Plan to do	183	43	1,076	36	11,197	41	84,006	38								
			Done or in progress	48	11	335	12	3,020	11	23,818	11								
			Total	421	100	2,926	100	26,989	100	210,098	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	128	30	743	23	8,157	29	68,386	32	<b>14%</b>	28% *** ▼	-.34	17%	-.07	14%	.02	
			Do not plan to do	103	25	795	26	7,449	28	54,608	27								
			Plan to do	128	30	688	22	7,060	26	58,543	27								
			Done or in progress	57	14	694	28	4,242	17	27,817	14								
			Total	416	100	2,920	100	26,908	100	209,354	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	125	30	828	29	7,154	27	56,563	28	<b>4%</b>	4%	.03	3%	.06	3%	.06	
			Do not plan to do	89	23	774	26	6,847	27	54,559	28								
			Plan to do	185	43	1,233	41	12,166	43	92,122	41								
			Done or in progress	16	4	89	4	770	3	6,314	3								
			Total	415	100	2,924	100	26,937	100	209,558	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	155	38	1,118	38	9,911	37	78,748	38	<b>4%</b>	4%	.00	5%	-.02	5%	-.03	
			Do not plan to do	101	24	843	28	5,830	22	47,906	24								
			Plan to do	144	34	859	30	9,909	36	72,820	34								
			Done or in progress	17	4	105	4	1,255	5	9,694	5								
			Total	417	100	2,925	100	26,905	100	209,168	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	130	31	839	29	8,664	33	66,033	33	<b>1%</b>	2%	-.09	2%	-.05	2%	-.06	
			Do not plan to do	54	13	284	10	2,567	10	20,754	11								
			Plan to do	227	54	1,741	58	15,169	55	118,167	54								
			Done or in progress	5	1	55	2	478	2	4,099	2								
			Total	416	100	2,919	100	26,878	100	209,053	100								

#### 12. About how many of your courses at this institution have included a community-based project (service-learning)?

	servcourse	1	None	181	44	1,330	47	13,344	50	98,119	48	<b>1.7</b>	1.6	.03	1.6 *	.10	1.6	.05
		2	Some	197	47	1,306	43	11,358	42	91,416	43							
		3	Most	30	7	224	8	1,799	7	15,746	8							
		4	All	6	2	47	2	314	1	3,287	2							
		Total		414	100	2,907	100	26,815	100	208,568	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																		
a. Students	QIstudent	1	Poor	3	1	43	2	370	2	3,276	2	<b>5.4</b>	5.3	.06	5.4	.01	5.4	.02
		2		8	2	68	2	549	2	4,202	2							
		3		27	7	149	5	1,373	5	10,696	5							
		4		47	12	362	12	3,188	12	25,332	12							
		5		120	28	888	29	7,190	27	54,502	26							
		6		108	25	736	26	7,259	27	55,076	26							
		7	Excellent	102	25	634	22	6,770	25	53,943	25							
		—	Not applicable	3	1	31	1	162	1	2,004	1							
			Total	418	100	2,911	100	26,861	100	209,031	100							
b. Academic advisors	QIadvisor	1	Poor	7	2	81	3	979	4	6,979	4	<b>5.4</b>	5.2 *	.12	5.1 ***	.16	5.2 **	.13
		2		19	5	142	5	1,353	5	9,405	5							
		3		23	5	238	8	2,220	8	16,199	8							
		4		54	14	413	14	3,768	14	28,755	13							
		5		89	21	648	21	5,694	21	42,515	20							
		6		92	22	616	22	5,476	21	43,513	21							
		7	Excellent	129	32	744	27	6,599	26	57,109	28							
		—	Not applicable	3	1	27	1	734	2	4,338	2							
			Total	416	100	2,909	100	26,823	100	208,813	100							
c. Faculty	QIfaculty	1	Poor	6	1	37	1	497	2	3,741	2	<b>5.2</b>	5.2	-.03	5.2	-.01	5.3	-.06
		2		8	2	97	3	830	3	5,771	3							
		3		32	8	171	6	1,734	6	12,376	6							
		4		86	21	449	15	3,997	15	28,702	14							
		5		97	23	842	28	7,237	27	53,570	25							
		6		93	23	799	27	7,274	27	56,447	26							
		7	Excellent	87	22	483	18	4,956	19	45,534	22							
		—	Not applicable	2	0	23	1	243	1	2,187	1							
			Total	411	100	2,901	100	26,768	100	208,328	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	13	3	88	3	962	4	7,969	4	<b>5.0</b>	5.0	.00	5.0	.00	5.0	-.01
		2		17	4	132	4	1,225	5	8,748	4							
		3		30	7	236	8	1,973	7	14,909	7							
		4		71	17	422	14	3,827	14	28,968	14							
		5		97	24	673	23	5,966	22	45,006	21							
		6		87	20	652	22	5,801	21	43,762	20							
		7	Excellent	73	18	483	17	4,832	18	40,509	19							
		—	Not applicable	28	7	210	8	2,165	9	18,430	11							
	Total			416	100	2,896	100	26,751	100	208,301	100							
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	7	2	100	4	1,116	4	8,512	4	<b>5.0</b>	4.9	.07	4.9	.08	5.0	.05
		2		24	6	151	5	1,318	5	10,185	5							
		3		25	6	238	8	2,189	8	16,492	8							
		4		80	19	464	15	4,145	15	31,108	15							
		5		91	22	693	23	5,980	22	45,734	21							
		6		86	21	595	21	5,330	20	42,860	20							
		7	Excellent	75	18	462	17	4,512	17	39,716	20							
		—	Not applicable	28	7	199	7	2,212	8	14,017	7							
	Total			416	100	2,902	100	26,802	100	208,624	100							
<b>14. How much does your institution emphasize the following?</b>																		
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	8	2	49	2	376	2	2,996	2	<b>3.1</b>	3.1	.01	3.2	-.08	3.1	-.05
		2	Some	59	15	535	19	3,898	16	32,356	17							
		3	Quite a bit	203	53	1,287	46	11,879	47	94,395	47							
		4	Very much	117	30	889	32	9,416	35	69,892	34							
			Total			387	100	2,760	100	25,569	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	11	3	97	4	810	4	6,317	4	<b>3.0</b>	3.0	.02	3.0	-.03	3.1	-.04
		2	Some	80	21	627	23	5,082	20	38,475	20							
		3	Quite a bit	180	47	1,211	43	11,201	44	85,938	43							
		4	Very much	113	29	814	30	8,305	32	67,513	33							
			Total			384	100	2,749	100	25,398	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	30	8	166	6	1,322	6	10,473	6	<b>3.0</b>	3.0	-.02	3.1	-.10	3.1 *	-.11
		2	Some	65	18	565	21	4,578	18	34,595	18							
		3	Quite a bit	159	42	1,085	39	9,911	39	75,621	38							
		4	Very much	128	33	930	34	9,567	37	77,573	38							
			Total			382	100	2,746	100	25,378	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	33	9	327	12	2,812	11	19,553	10	<b>2.8</b>	2.7 *	.14	2.7	.10	2.8	.06
		2	Some	104	27	833	29	7,502	29	54,722	28							
		3	Quite a bit	131	35	941	34	8,884	36	70,876	36							
		4	Very much	112	29	644	24	6,161	25	52,927	26							
		Total		380	100	2,745	100	25,359	100	198,078	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	18	5	126	5	1,295	5	10,514	6	<b>3.0</b>	2.9	.05	3.0	.03	3.0	.04
		2	Some	82	22	674	24	5,737	23	43,739	23							
		3	Quite a bit	160	42	1,168	42	10,301	41	80,743	40							
		4	Very much	118	31	767	29	7,990	31	62,833	31							
		Total		378	100	2,735	100	25,323	100	197,829	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	20	5	162	6	1,470	6	12,080	7	<b>3.0</b>	2.9	.01	3.0	-.02	2.9	.02
		2	Some	86	23	625	23	5,657	23	44,652	23							
		3	Quite a bit	162	43	1,161	42	10,267	41	79,592	40							
		4	Very much	109	29	786	29	7,872	31	61,177	30							
		Total		377	100	2,734	100	25,266	100	197,501	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	65	17	581	21	5,254	21	39,674	21	<b>2.4</b>	2.4	.09	2.4	.09	2.4	.08
		2	Some	134	35	1,001	37	9,347	37	71,695	36							
		3	Quite a bit	123	33	782	29	7,202	29	57,048	29							
		4	Very much	55	15	360	14	3,451	14	28,943	15							
		Total		377	100	2,724	100	25,254	100	197,360	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	20	5	154	6	1,804	7	16,592	10	<b>2.9</b>	2.9	.02	2.8	.04	2.8	.08
		2	Some	98	26	746	27	6,724	27	49,401	25							
		3	Quite a bit	163	44	1,142	41	10,051	40	77,340	38							
		4	Very much	96	25	678	26	6,617	26	53,797	26							
		Total		377	100	2,720	100	25,196	100	197,130	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	51	14	370	14	3,426	14	26,215	15	<b>2.6</b>	2.5	.03	2.6	.02	2.6	.01
		2	Some	123	33	1,015	36	8,823	35	64,855	33							
		3	Quite a bit	135	36	890	33	8,545	34	67,974	33							
		4	Very much	66	17	439	17	4,399	17	37,839	18							
		Total		375	100	2,714	100	25,193	100	196,883	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017															
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>														
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																																
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs  <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	1 42 80 73 80 52 28 21	0 11 21 19 22 14 8 6	15 341 638 586 556 291 138 150	1 13 24 22 20 10 5 5	71 2,497 5,253 5,532 5,243 3,313 1,597 1,662	0 11 22 22 20 12 6 6	734 22,612 43,149 43,674 39,142 23,904 11,991 11,783	100 12 23 22 19 12 6 6	<b>15.5</b>	14.2 ** ▲	.17	15.1	.05	14.7	.10														
Total				377	100	2,715	100	25,168	100	196,989	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 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	111 133 48 36 27 11 5 4	30 35 13 9 8 3 1 1	876 942 418 222 125 62 20 39	32 33 15 9 5 3 1 2	7,076 8,900 4,399 2,302 1,283 621 203 291	29 34 18 9 5 2 1 1	57,656 65,972 32,963 18,570 11,266 5,272 1,914 2,596	33 32 16 9 5 3 1 1								<b>6.1</b>	5.7	.06	5.8	.04	5.7	.06							
Total				375	100	2,704	100	25,075	100	196,209	100																					
c. Working for pay <b>on campus</b>	tmworkonhrs  <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	272 10 38 28 17 8 1 2	73 3 10 7 4 2 0 1	2,155 73 181 137 100 45 8 10	78 3 7 5 4 2 0 0	19,924 771 1,567 1,306 1,108 282 65 98	80 3 6 5 4 1 0 0	151,876 9,114 15,657 9,876 6,365 2,024 551 1,027	79 4 7 5 3 1 0 1															<b>3.3</b>	2.7	.09	2.4 ** ▲	.16	2.4 ** ▲	.16
Total				376	100	2,709	100	25,121	100	196,490	100																					

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



# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	290	77	2,004	74	18,616	72	136,459	67	<b>3.9</b>	4.1	-.02	4.4	-.05	5.8 ***	▽	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	17	4	110	4	1,045	4	9,089	4								
		8	6-10 hrs	10	3	135	5	1,193	5	10,156	5								
		13	11-15 hrs	12	3	153	5	1,197	5	10,092	5								
		18	16-20 hrs	16	4	131	5	1,210	5	10,526	6								
		23	21-25 hrs	12	3	83	3	799	3	7,306	4								
		28	26-30 hrs	6	1	43	2	451	2	4,169	2								
		33	More than 30 hrs	14	4	55	3	606	3	8,624	6								
		Total			377	100	2,714	100	25,117	100	196,421								100
	Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)																	<b>7.1</b>
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	207	56	1,563	59	13,964	57	109,791	57	<b>2.5</b>	2.4	.02	2.4	.01	2.5	-.02	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	124	32	868	31	8,328	31	62,940	31								
		8	6-10 hrs	26	7	135	5	1,513	6	12,358	7								
		13	11-15 hrs	8	2	68	2	642	3	5,368	3								
		18	16-20 hrs	9	2	33	1	347	2	2,973	2								
		23	21-25 hrs	1	0	28	1	172	1	1,380	1								
		28	26-30 hrs	1	0	6	0	34	0	443	0								
	33	More than 30 hrs	1	0	9	0	83	0	828	0									
	Total			377	100	2,710	100	25,083	100	196,081	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	4	1	42	2	400	2	3,719	2	<b>14.1</b>	12.8 *	.15	12.5 ***	.19	12.1 ***	△	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	59	16	520	18	4,943	19	42,209	22								
		8	6-10 hrs	95	25	739	27	7,116	28	54,344	27								
		13	11-15 hrs	82	22	595	22	5,431	21	40,849	20								
		18	16-20 hrs	66	18	395	14	3,442	14	26,215	13								
		23	21-25 hrs	17	5	163	6	1,592	7	12,068	6								
		28	26-30 hrs	17	4	79	3	699	3	5,380	3								
	33	More than 30 hrs	36	10	172	7	1,438	6	11,442	6									
	Total			376	100	2,705	100	25,061	100	196,226	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	NSSE 2016 & 2017								Your first-year students compared with						
				WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	304	80	2,282	83	20,599	81	152,172	75	<b>2.0</b>	1.9	.03	2.0	.01	3.1 ***	-0.14
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	32	9	188	7	2,056	9	18,978	10							
	8	6-10 hrs	15	4	79	3	862	4	8,173	5								
	13	11-15 hrs	8	2	51	2	576	3	5,084	3								
	18	16-20 hrs	6	2	37	2	348	2	3,212	2								
	23	21-25 hrs	4	1	24	1	179	1	1,758	1								
	28	26-30 hrs	1	0	10	0	73	0	789	1								
	33	More than 30 hrs	5	2	38	2	332	2	5,691	4								
	Total				375	100	2,709	100	25,025	100	195,857							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	153	40	1,242	46	10,210	41	91,420	44	<b>4.4</b>	3.5 *	.15	3.9	.08	3.8	.10
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	132	35	976	35	9,633	37	66,211	34							
	8	6-10 hrs	41	11	267	10	3,000	13	21,277	12								
	13	11-15 hrs	26	7	117	5	1,101	5	8,389	5								
	18	16-20 hrs	13	3	54	2	575	2	4,034	2								
	23	21-25 hrs	3	1	22	1	229	1	1,902	1								
	28	26-30 hrs	3	1	7	0	96	0	783	0								
	33	More than 30 hrs	6	1	26	1	261	1	2,300	1								
	Total				377	100	2,711	100	25,105	100	196,316							
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>												<b>2.5</b>	2.6	-0.03	2.7 *	-0.12	2.8 ***	-0.20
reading	1	Very little	56	15	414	16	3,243	14	21,843	12								
	2	Some	151	40	970	36	8,518	35	63,262	33								
	3	About half	93	25	761	28	7,039	28	58,038	29								
	4	Most	58	16	413	15	4,665	18	39,078	19								
	5	Almost all	17	4	147	5	1,599	6	13,980	7								
	Total			375	100	2,705	100	25,064	100	196,201	100							
tmreadinghrs	<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>										<b>6.2</b>	5.9	.05	6.6	-0.08	6.8 *	-0.11	

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	tmreadinghrscol	1	0 hrs	1	0	15	1	68	0	711	0	<b>2.7</b>	2.7		2.7	-.01	2.8	-.09
		2	More than zero, up to 5 hrs	206	55	1,477	57	12,109	51	93,188	50							
		3	More than 5, up to 10 hrs	105	28	750	27	7,466	29	58,937	29							
		4	More than 10, up to 15 hrs	32	8	250	8	2,732	10	21,445	10							
		5	More than 15, up to 20 hrs	13	3	103	4	1,419	5	11,239	5							
		6	More than 20, up to 25 hrs	14	4	80	3	876	3	7,191	3							
		7	More than 25 hrs	2	1	22	1	297	1	2,740	1							
		Total		373	100	2,697	100	24,967	100	195,451	100							
<b>17. 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	28	7	277	11	2,334	9	13,651	7	<b>2.7</b>	2.7	.05	2.7	-.01	2.8	-.09
		2	Some	115	31	838	31	7,244	29	53,205	27							
		3	Quite a bit	164	44	1,068	39	10,331	42	84,201	43							
		4	Very much	67	18	509	20	5,022	20	44,239	23							
		Total		374	100	2,692	100	24,931	100	195,296	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	41	11	360	14	3,334	13	20,890	11	<b>2.6</b>	2.6	-.01	2.6	-.02	2.7	-.10
		2	Some	141	37	905	33	8,340	33	61,331	31							
		3	Quite a bit	131	35	957	36	8,908	36	74,355	38							
		4	Very much	61	16	473	18	4,340	18	38,678	20							
		Total		374	100	2,695	100	24,922	100	195,254	100							
c. Thinking critically and analytically	pgthink	1	Very little	11	3	98	4	821	4	6,107	4	<b>3.0</b>	3.0	.02	3.0	-.04	3.1	-.07
		2	Some	86	23	590	22	4,862	20	37,057	19							
		3	Quite a bit	166	45	1,228	45	11,153	45	87,285	44							
		4	Very much	111	30	773	29	8,092	32	64,841	33							
		Total		374	100	2,689	100	24,928	100	195,290	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	49	12	378	14	3,023	12	25,830	13	<b>2.6</b>	2.6	.04	2.7	-.06	2.6	-.05
		2	Some	130	34	907	33	7,745	31	61,696	31							
		3	Quite a bit	127	35	960	36	9,013	36	68,950	35							
		4	Very much	67	18	444	17	5,154	21	38,711	21							
		Total		373	100	2,689	100	24,935	100	195,187	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	36	10	398	15	3,489	14	25,889	14	<b>2.7</b>	2.6 *	.11	2.6 *	.11	2.6	.09
		2	Some	121	32	903	32	8,234	33	63,318	32							
		3	Quite a bit	143	38	896	33	8,474	34	67,291	34							
		4	Very much	75	20	491	20	4,724	19	38,707	20							
		Total		375	100	2,688	100	24,921	100	195,205	100							
f. Working effectively with others	pgothers	1	Very little	21	6	201	8	1,738	7	12,556	7	<b>2.8</b>	2.8	.00	2.8	.01	2.8	-.02
		2	Some	115	31	753	27	7,187	29	53,410	28							
		3	Quite a bit	152	40	1,120	41	10,204	41	80,614	40							
		4	Very much	86	23	617	24	5,782	24	48,507	25							
		Total		374	100	2,691	100	24,911	100	195,087	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	38	10	340	13	2,999	12	20,525	12	<b>2.7</b>	2.7	.03	2.7	.01	2.7	-.03
		2	Some	119	32	784	29	7,189	29	55,185	29							
		3	Quite a bit	141	37	1,032	37	9,163	37	73,880	37							
		4	Very much	78	21	534	21	5,558	22	45,438	23							
		Total		376	100	2,690	100	24,909	100	195,028	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	29	8	273	10	2,607	10	17,842	10	<b>2.8</b>	2.7	.11	2.7	.09	2.8	.05
		2	Some	103	28	806	29	7,297	29	53,635	28							
		3	Quite a bit	137	36	1,003	37	9,117	37	72,982	37							
		4	Very much	104	28	599	23	5,873	24	50,533	26							
		Total		373	100	2,681	100	24,894	100	194,992	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	32	9	330	13	2,890	12	21,769	12	<b>2.7</b>	2.6 **	.15	2.6 *	.12	2.6	.10
		2	Some	122	33	955	35	8,353	33	64,412	33							
		3	Quite a bit	134	36	902	34	8,852	35	70,120	35							
		4	Very much	85	23	492	19	4,798	19	38,586	20							
		Total		373	100	2,679	100	24,893	100	194,887	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	31	9	331	12	3,003	12	21,429	12	<b>2.7</b>	2.6	.10	2.6	.07	2.7	.04
		2	Some	130	35	898	33	7,928	32	60,529	31							
		3	Quite a bit	127	34	953	35	8,852	36	70,831	36							
		4	Very much	85	23	499	19	5,055	20	41,593	21							
		Total		373	100	2,681	100	24,838	100	194,382	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	3	1	64	3	468	2	3,735	2	<b>3.3</b>	3.1 **	.15	3.2	.08	3.2	.07	
		2	Fair	46	12	366	14	2,979	13	23,124	13								
		3	Good	177	47	1,372	50	12,022	49	93,184	48								
		4	Excellent	148	39	880	33	9,424	36	75,025	38								
			Total	374	100	2,682	100	24,893	100	195,068	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	9	2	103	4	865	4	7,236	4	<b>3.3</b>	3.2 **	.15	3.2 **	.14	3.2 **	.14	
		2	Probably no	39	11	326	12	2,967	12	23,483	12								
		3	Probably yes	142	38	1,154	43	10,382	43	80,560	41								
		4	Definitely yes	185	49	1,098	41	10,707	42	84,002	42								
			Total	375	100	2,681	100	24,921	100	195,281	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>f. 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	12	1	94	3	1,135	3	7,666	3	<b>3.1</b>	3.1	.03	3.0 *	.07	3.1	-.02
		2	Sometimes	281	27	1,039	28	11,097	28	77,780	25							
		3	Often	356	34	1,182	31	12,326	32	100,109	31							
		4	Very often	399	38	1,477	39	13,955	37	133,338	41							
		Total		1,048	100	3,792	100	38,513	100	318,893	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	237	23	814	22	8,809	23	65,961	21	<b>2.3</b>	2.3	-.01	2.3	-.01	2.4 *	-.08
		2	Sometimes	382	36	1,374	37	14,104	36	113,034	35							
		3	Often	259	25	965	25	9,525	25	80,762	26							
		4	Very often	163	16	607	16	5,802	16	57,037	18							
		Total		1,041	100	3,760	100	38,240	100	316,794	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	68	7	214	6	2,619	7	19,092	6	<b>2.9</b>	3.0	-.03	2.9	.01	3.0 *	-.07
		2	Often	165	16	582	16	6,326	16	45,316	14							
		3	Sometimes	571	55	2,052	55	21,116	55	172,128	54							
		4	Never	234	23	902	23	8,115	22	79,832	26							
		Total		1,038	100	3,750	100	38,176	100	316,368	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	408	40	1,766	46	16,261	44	135,358	45	<b>1.9</b>	1.8 ***	.16	1.8 ***	.12	1.8 ***	.12
		2	Sometimes	405	39	1,352	36	14,491	37	116,271	36							
		3	Often	119	11	387	11	4,657	12	39,661	12							
		4	Very often	106	10	240	6	2,667	7	24,416	7							
		Total		1,038	100	3,745	100	38,076	100	315,706	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	105	10	499	14	3,980	12	42,228	15	<b>2.6</b>	2.4 ***	.18	2.5 *	.07	2.4 ***	.18
		2	Sometimes	407	39	1,594	43	15,188	41	132,053	42							
		3	Often	328	31	1,105	29	12,221	31	93,138	28							
		4	Very often	196	19	540	14	6,669	17	47,991	15							
		Total		1,036	100	3,738	100	38,058	100	315,410	100							
f. Explained course material to one or more students	CLexplain	1	Never	29	3	205	5	1,477	4	18,400	7	<b>2.9</b>	2.8 ***	.16	2.8 ***	.11	2.7 ***	.21
		2	Sometimes	303	29	1,247	33	12,293	33	108,622	35							
		3	Often	436	42	1,475	39	15,323	40	119,683	37							
		4	Very often	266	26	806	22	8,895	23	68,240	21							
		Total		1,034	100	3,733	100	37,988	100	314,945	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	148	14	649	17	5,440	15	55,418	19	<b>2.6</b>	2.5 ***	.13	2.6	.02	2.5 ***	.12
		2	Sometimes	351	33	1,344	37	12,998	34	106,756	34							
		3	Often	314	31	1,046	28	11,197	29	90,211	28							
		4	Very often	219	21	675	18	8,252	21	61,739	19							
		Total		1,032	100	3,714	100	37,887	100	314,124	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	44	4	275	7	1,896	5	21,474	8	<b>3.0</b>	2.8 ***	.20	2.9 **	.08	2.8 ***	.17
		2	Sometimes	260	25	1,102	30	10,354	28	89,473	29							
		3	Often	385	37	1,339	36	13,872	36	113,471	35							
		4	Very often	339	33	987	26	11,674	30	89,026	28							
		Total		1,028	100	3,703	100	37,796	100	313,444	100							
i. Given a course presentation	present	1	Never	95	9	438	12	3,795	11	33,909	12	<b>2.8</b>	2.7 **	.11	2.7 **	.08	2.7 **	.10
		2	Sometimes	315	31	1,205	33	12,354	33	95,451	31							
		3	Often	334	32	1,150	31	12,446	33	103,299	32							
		4	Very often	286	28	910	24	9,202	24	80,713	25							
		Total		1,030	100	3,703	100	37,797	100	313,372	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	3	125	4	1,155	3	10,426	4	<b>3.0</b>	2.9	.05	3.0	.02	2.9	.05
		2	Sometimes	273	27	959	27	9,726	26	83,014	27							
		3	Often	409	40	1,562	43	15,682	42	128,147	41							
		4	Very often	308	30	1,023	27	10,819	29	88,697	28							
		Total		1,020	100	3,669	100	37,382	100	310,284	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	60	6	258	7	2,755	8	19,774	7	<b>2.8</b>	2.8	.04	2.8	.04	2.8	.00
		2	Sometimes	322	32	1,196	33	12,088	33	94,794	31							
		3	Often	394	38	1,330	36	13,222	35	114,026	36							
		4	Very often	243	24	863	23	9,133	24	80,619	25							
		Total		1,019	100	3,647	100	37,198	100	309,213	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	129	14	493	14	5,379	15	34,424	13	<b>2.6</b>	2.5	.05	2.5 *	.07	2.6	-.02
		2	Sometimes	339	33	1,341	37	13,300	36	105,619	35							
		3	Often	329	32	1,090	30	10,940	29	98,702	31							
		4	Very often	217	21	714	19	7,438	20	69,420	22							
		Total		1,014	100	3,638	100	37,057	100	308,165	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	NSSE 2016 & 2017								Your seniors compared with						
				WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	45	5	170	5	1,830	5	13,121	5	<b>2.9</b>	2.8	.05	2.8 *	.06	2.8	.03
		2	Sometimes	279	28	1,106	30	11,351	31	89,565	29							
		3	Often	449	44	1,558	43	15,702	42	133,456	43							
		4	Very often	234	24	784	22	8,052	22	71,044	23							
		Total		1,007	100	3,618	100	36,935	100	307,186	100							
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	Rlperspect	1	Never	22	3	112	3	1,194	3	8,412	3	<b>3.0</b>	2.9 ***	.12	2.9 ***	.11	3.0 **	.08
		2	Sometimes	224	23	965	27	9,467	26	75,494	25							
		3	Often	437	43	1,579	44	16,151	44	136,158	44							
		4	Very often	318	31	956	27	9,925	27	85,712	28							
		Total		1,001	100	3,612	100	36,737	100	305,776	100							
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	10	1	79	2	764	2	5,758	2	<b>3.0</b>	2.9 ***	.13	2.9 **	.09	2.9 *	.07
		2	Sometimes	254	26	1,038	29	9,770	28	80,392	27							
		3	Often	442	44	1,610	44	16,372	44	136,090	44							
		4	Very often	293	29	862	24	9,674	26	82,286	26							
		Total		999	100	3,589	100	36,580	100	304,526	100							
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	8	1	36	1	364	1	2,725	1	<b>3.2</b>	3.2	.06	3.2	.03	3.2	.01
		2	Sometimes	151	16	602	17	5,751	16	46,194	16							
		3	Often	470	47	1,667	46	17,077	47	140,803	46							
		4	Very often	365	37	1,267	35	13,204	36	113,571	37							
		Total		994	100	3,572	100	36,396	100	303,293	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	152	16	584	17	6,234	18	50,637	18	<b>2.5</b>	2.5	.03	2.4 **	.09	2.4 **	.10
		2	Sometimes	382	39	1,360	38	14,636	40	118,004	39							
		3	Often	249	25	949	27	9,157	25	77,129	24							
		4	Very often	211	21	692	19	6,403	18	57,751	18							
		Total		994	100	3,585	100	36,430	100	303,521	100							
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	379	39	1,441	40	14,453	41	124,252	44	<b>2.1</b>	2.0	.06	2.0 *	.07	1.9 ***	.12
		2	Sometimes	307	30	1,117	31	11,521	31	93,132	30							
		3	Often	167	17	610	17	6,183	17	50,043	16							
		4	Very often	139	14	408	12	4,205	12	35,387	11							
		Total		992	100	3,576	100	36,362	100	302,814	100							

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



# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	249	25	873	24	8,755	25	78,053	28	<b>2.2</b>	2.2	-.03	2.2	-.02	2.2	.02
		2	Sometimes	436	44	1,530	42	15,616	42	122,677	40							
		3	Often	186	19	763	22	7,937	22	65,944	21							
		4	Very often	117	12	390	11	3,922	11	35,297	11							
		Total		988	100	3,556	100	36,230	100	301,971	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	204	21	732	21	8,387	23	66,028	23	<b>2.2</b>	2.3	-.01	2.2	.05	2.2	.04
		2	Sometimes	446	45	1,595	45	16,383	45	134,061	44							
		3	Often	224	23	841	24	7,877	22	68,088	22							
		4	Very often	110	11	390	11	3,549	10	33,592	11							
		Total		984	100	3,558	100	36,196	100	301,769	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	65	6	306	8	2,706	8	25,799	9	<b>2.8</b>	2.7 **	.09	2.8	.05	2.7 **	.10
		2	Some	286	30	1,089	31	11,090	31	95,960	32							
		3	Quite a bit	398	41	1,414	40	14,449	40	117,498	39							
		4	Very much	228	23	748	20	7,936	22	62,427	21							
		Total		977	100	3,557	100	36,181	100	301,684	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	39	4	99	3	962	3	8,016	3	<b>3.0</b>	3.1	-.05	3.1 **	-.10	3.1 **	-.09
		2	Some	208	21	739	21	6,639	19	56,269	19							
		3	Quite a bit	433	45	1,548	44	16,311	45	135,124	45							
		4	Very much	299	30	1,162	32	12,214	34	101,619	33							
		Total		979	100	3,548	100	36,126	100	301,028	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	38	4	136	4	1,270	4	9,903	4	<b>2.9</b>	3.0 *	-.08	3.0 **	-.10	3.0 ***	-.12
		2	Some	237	25	798	22	7,770	22	62,603	21							
		3	Quite a bit	427	44	1,500	43	15,393	43	128,777	43							
		4	Very much	270	27	1,103	31	11,549	32	98,749	33							
		Total		972	100	3,537	100	35,982	100	300,032	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	69	7	195	6	2,371	7	15,270	6	<b>2.8</b>	2.9	-.06	2.9	-.05	2.9 ***	-.12
		2	Some	265	28	960	27	9,427	26	71,344	24							
		3	Quite a bit	393	40	1,443	41	14,749	41	127,268	42							
		4	Very much	246	25	927	26	9,360	26	85,763	28							
		Total		973	100	3,525	100	35,907	100	299,645	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	54	6	176	5	1,749	5	12,247	4	<b>2.9</b>	2.9	-.04	2.9	-.05	2.9 **	▽
		2	Some	244	26	928	27	9,198	26	71,109	24							
		3	Quite a bit	434	45	1,467	42	15,437	43	131,250	44							
		4	Very much	235	24	937	26	9,478	26	84,612	28							
		Total		967	100	3,508	100	35,862	100	299,218	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	28	3	91	3	777	2	6,215	2	<b>3.1</b>	3.1	-.02	3.1	-.02	3.1	-.06
		2	Some	151	16	610	17	6,548	18	50,788	17							
		3	Quite a bit	486	50	1,632	46	16,370	45	133,511	44							
		4	Very much	307	32	1,183	34	12,200	35	109,031	36							
		Total		972	100	3,516	100	35,895	100	299,545	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	30	3	134	4	1,119	3	8,823	3	<b>3.0</b>	3.0	.00	3.1	-.03	3.1 *	▽
		2	Some	188	20	661	19	6,912	20	54,255	18							
		3	Quite a bit	464	48	1,660	47	16,674	46	135,571	45							
		4	Very much	287	29	1,056	30	11,135	31	100,588	34							
		Total		969	100	3,511	100	35,840	100	299,237	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	27	3	138	4	1,156	4	9,898	4	<b>3.0</b>	3.1 *	-.07	3.1 *	-.08	3.1 *	▽
		2	Some	217	23	647	18	6,680	19	55,687	19							
		3	Quite a bit	416	43	1,483	42	15,326	42	125,340	42							
		4	Very much	310	32	1,240	36	12,642	35	107,948	36							
		Total		970	100	3,508	100	35,804	100	298,873	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	102	11	375	11	4,252	12	30,325	11	<b>2.7</b>	2.8	-.05	2.7	.02	2.8	-.05
		2	Some	293	31	1,019	29	11,337	31	85,086	29							
		3	Quite a bit	333	34	1,203	34	11,986	34	103,352	34							
		4	Very much	239	24	908	26	8,203	24	79,926	26							
		Total		967	100	3,505	100	35,778	100	298,689	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	88	9	268	8	2,901	8	21,014	8	<b>2.7</b>	2.8 *	-.08	2.8	-.06	2.8 ***	▽
		2	Some	290	31	1,029	29	10,775	30	82,693	28							
		3	Quite a bit	382	39	1,353	38	14,067	39	117,957	39							
		4	Very much	203	21	846	24	7,926	23	76,182	25							
		Total		963	100	3,496	100	35,669	100	297,846	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>6. During the current school year, about how often have you done the following?</b>																		
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	117	11	424	12	3,762	10	34,087	11	<b>2.6</b>	2.6	-.01	2.7 *	-.06	2.6	-.03
		2	Sometimes	336	34	1,201	34	11,743	32	101,217	33							
		3	Often	332	35	1,204	35	12,790	36	104,799	36							
		4	Very often	180	19	668	20	7,383	21	58,083	20							
		Total		965	100	3,497	100	35,678	100	298,186	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	187	19	665	19	6,786	19	55,109	18	<b>2.4</b>	2.4	-.01	2.4	-.05	2.4	-.04
		2	Sometimes	394	40	1,388	39	13,209	37	112,780	37							
		3	Often	240	26	945	28	10,130	29	84,966	29							
		4	Very often	142	15	501	15	5,533	16	45,031	16							
		Total		963	100	3,499	100	35,658	100	297,886	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	159	16	658	18	5,541	16	49,199	16	<b>2.4</b>	2.4	.00	2.4 *	-.07	2.4	-.04
		2	Sometimes	417	43	1,383	39	13,891	39	117,722	39							
		3	Often	276	29	1,018	30	11,166	31	90,752	31							
		4	Very often	111	12	442	13	5,109	14	40,589	14							
		Total		963	100	3,501	100	35,707	100	298,262	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	43	5	218	7	2,188	7	14,929	6	<b>8.1</b>	7.3 **	.12	7.1 ***	.15	7.7	.06
		1.5	1-2	154	18	650	20	6,432	20	47,588	18							
		4	3-5	234	28	874	28	9,351	29	77,733	28							
		8	6-10	180	21	676	21	6,991	21	62,151	22							
		13	11-15	99	11	339	11	3,390	10	30,502	11							
		18	16-20	66	7	180	6	1,860	5	17,019	6							
		23	More than 20	88	10	267	8	2,500	7	25,339	9							
Total		864	100	3,204	100	32,712	100	275,261	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	217	25	798	25	8,211	26	58,818	23	<b>3.3</b>	3.2	.03	3.2	.02	3.6 *	-.07
		1.5	1-2	281	33	1,123	36	11,307	35	93,097	34							
		4	3-5	210	25	727	23	7,694	23	69,642	25							
		8	6-10	102	11	335	10	3,431	11	32,837	12							
		13	11-15	29	4	114	3	1,081	3	10,601	4							
		18	16-20	12	1	25	1	351	1	4,171	2							
		23	More than 20	8	1	44	1	385	1	4,109	2							
Total		859	100	3,166	100	32,460	100	273,275	100									

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	NSSE 2016 & 2017								Your seniors compared with							
				WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	391	46	1,473	48	15,642	48	122,907	46	<b>1.7</b>	1.8	.00	1.8	-.02	1.9	-.06	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	327	38	1,168	36	11,105	34	98,359	35								
		4	3-5	90	11	302	9	3,379	10	30,661	11								
		8	6-10	26	3	115	4	1,233	4	10,831	4								
		13	11-15	15	2	59	2	552	2	4,719	2								
		18	16-20	5	1	18	1	191	1	2,072	1								
		23	More than 20	7	1	33	1	302	1	2,933	1								
		Total			861	100	3,168	100	32,404	100	272,482	100							
Estimated number of assigned pages of student writing.	wrpages											<b>76.9</b>	72.9	.05	73.2	.04	79.9	-.03	
<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>																			
<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	35	4	172	5	1,708	5	13,296	5	<b>3.1</b>	3.0	.07	3.0	.04	3.1	.01	
		2	Sometimes	199	23	844	25	8,392	24	65,308	23								
		3	Often	275	31	1,008	31	9,914	30	84,049	30								
		4	Very often	351	41	1,196	38	12,826	40	113,847	41								
			Total	860	100	3,220	100	32,840	100	276,500	100								
b. People from an economic background other than your own	DDeconomic	1	Never	24	3	134	4	1,373	4	11,207	5	<b>3.1</b>	3.1	.06	3.1	.07	3.1	.06	
		2	Sometimes	172	20	753	23	7,608	23	62,656	23								
		3	Often	337	39	1,169	36	11,819	36	97,557	35								
		4	Very often	325	38	1,156	37	11,958	37	104,405	38								
			Total	858	100	3,212	100	32,758	100	275,825	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	35	4	180	6	2,755	7	17,348	6	<b>3.0</b>	3.0	.07	2.9 *	.08	3.0	.04	
		2	Sometimes	219	26	887	28	9,004	26	72,205	26								
		3	Often	293	34	1,044	32	9,932	31	87,019	31								
		4	Very often	307	36	1,093	35	11,045	35	99,147	36								
			Total	854	100	3,204	100	32,736	100	275,719	100								
d. People with political views other than your own	DDpolitical	1	Never	25	3	166	5	1,699	6	15,090	6	<b>3.0</b>	3.0	.01	3.0	.06	3.0 *	.08	
		2	Sometimes	226	26	769	24	8,645	26	73,620	26								
		3	Often	297	34	1,047	32	10,787	32	89,308	32								
		4	Very often	310	37	1,222	38	11,595	36	97,481	36								
			Total	858	100	3,204	100	32,726	100	275,499	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>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	22	3	68	2	773	3	5,679	2	<b>3.1</b>	3.1	.03	3.1	-.01	3.1	-.07
		2	Sometimes	159	19	669	21	6,396	20	48,441	18							
		3	Often	387	45	1,386	44	14,178	44	118,767	43							
		4	Very often	284	33	1,057	33	11,262	34	101,804	37							
		Total		852	100	3,180	100	32,609	100	274,691	100							
b. Reviewed your notes after class	LSnotes	1	Never	71	8	264	8	2,582	8	20,837	8	<b>2.8</b>	2.8	-.01	2.8	-.04	2.8 *	-0.07
		2	Sometimes	284	34	985	32	10,722	32	84,341	30							
		3	Often	273	32	1,066	33	10,548	33	89,974	33							
		4	Very often	225	26	866	26	8,734	28	79,311	29							
		Total		853	100	3,181	100	32,586	100	274,463	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	61	7	233	7	2,458	7	18,488	7	<b>2.8</b>	2.8	-.01	2.8	-.01	2.8	-.07
		2	Sometimes	265	31	966	31	10,428	31	80,489	29							
		3	Often	329	39	1,187	38	11,707	37	101,470	37							
		4	Very often	197	23	783	24	7,859	25	72,968	27							
		Total		852	100	3,169	100	32,452	100	273,415	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	8	1	37	1	310	1	2,604	1	<b>5.4</b>	5.5	-.06	5.5 *	-.08	5.6 ***	-.12
		2		12	2	49	2	473	2	3,797	2							
		3		32	4	115	4	1,250	4	10,256	4							
		4		118	14	332	11	3,311	10	26,593	10							
		5		250	29	936	30	9,632	29	78,096	28							
		6		239	28	824	26	9,056	27	74,793	27							
		7	Very much	189	22	877	27	8,413	26	77,181	29							
		Total		848	100	3,170	100	32,445	100	273,320	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		59	7	280	9	2,514	8	24,239	10	<b>50%</b>	49%	.02	51%	-.02	49%	.02
		Do not plan to do		142	17	547	18	4,654	15	44,607	17							
		Plan to do		218	26	773	24	8,281	25	63,416	24							
		Done or in progress		429	50	1,568	49	17,011	51	141,216	49							
		Total		848	100	3,168	100	32,460	100	273,478	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
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	71	8	321	10	3,181	10	29,762	12	<b>33%</b>	37% *	-08	39% **	-11	35%	-04
			Do not plan to do	421	50	1,373	44	13,430	43	118,187	45							
			Plan to do	69	8	265	9	2,759	9	21,741	8							
			Done or in progress	287	33	1,205	37	13,019	39	103,227	35							
			Total	848	100	3,164	100	32,389	100	272,917	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	89	10	386	12	3,897	12	36,878	14	<b>26%</b>	29%	-06	26%	.02	23% *	.08
			Do not plan to do	459	54	1,611	50	17,049	53	142,779	53							
			Plan to do	71	9	260	9	2,918	9	25,757	10							
			Done or in progress	224	26	902	29	8,437	26	66,646	23							
			Total	843	100	3,159	100	32,301	100	272,060	100							
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	92	11	311	10	3,432	11	30,813	12	<b>14%</b>	14%	.00	15%	-01	14%	.02
			Do not plan to do	564	68	2,204	69	21,369	67	180,328	67							
			Plan to do	60	7	197	7	2,387	7	18,842	7							
			Done or in progress	128	14	446	14	5,132	15	42,424	14							
			Total	844	100	3,158	100	32,320	100	272,407	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	114	14	460	15	4,675	15	39,668	15	<b>23%</b>	22%	.03	25%	-05	23%	-01
			Do not plan to do	442	52	1,632	51	14,729	46	133,628	49							
			Plan to do	94	11	370	12	4,303	14	31,455	12							
			Done or in progress	195	23	692	22	8,584	25	67,201	23							
			Total	845	100	3,154	100	32,291	100	271,952	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	80	9	229	8	2,902	9	24,271	10	<b>42%</b>	50% ***	-17	44%	-05	45%	-06
			Do not plan to do	218	26	510	17	6,822	21	55,522	21							
			Plan to do	189	23	783	25	8,266	25	62,644	24							
			Done or in progress	359	42	1,627	50	14,277	44	129,545	45							
			Total	846	100	3,149	100	32,267	100	271,982	100							

#### 12. About how many of your courses at this institution have included a community-based project (service-learning)?

servcourse	1	2	3	4	Total	Count	%	Count	%	Count	%	Count	%	Count	%	WMU	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
	None	Some	Most	All	Total	308	37	1,274	41	12,920	41	101,479	40	<b>1.8</b>	1.7	.07	1.7 *	.07	1.7	.03		
	2	3	4	Total	433	51	1,500	48	15,822	48	136,362	48										
	3	4	Total	87	10	306	9	2,898	9	27,934	10											
	4	Total	16	2	64	2	594	2	5,859	2												
	Total	844	100	3,144	100	32,234	100	271,634	100													

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# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																		
a. Students	QIstudent	1	Poor	4	0	28	1	360	1	3,185	1	<b>5.6</b>	5.6	.01	5.6	.00	5.6	-.01
		2		10	1	61	2	501	2	4,265	2							
		3		30	4	135	4	1,340	4	11,022	4							
		4		105	13	343	11	3,334	11	27,718	10							
		5		218	25	748	23	8,009	25	65,709	24							
		6		242	28	863	27	9,181	28	75,033	27							
		7	Excellent	226	27	904	29	9,277	29	81,605	30							
		—	Not applicable	10	1	68	2	301	1	3,748	2							
			Total	845	100	3,150	100	32,303	100	272,285	100							
b. Academic advisors	QIadvisor	1	Poor	29	3	176	6	1,763	6	12,618	5	<b>5.2</b>	5.1 *	.08	5.0 ***	.12	5.2	.02
		2		38	5	171	5	1,976	6	13,533	5							
		3		66	8	277	9	2,886	9	20,359	8							
		4		110	13	408	13	4,521	14	33,739	12							
		5		166	19	558	18	6,258	19	49,757	18							
		6		200	23	599	19	6,139	19	53,704	19							
		7	Excellent	232	28	929	30	8,312	27	84,227	31							
		—	Not applicable	4	1	26	1	406	1	4,041	2							
			Total	845	100	3,144	100	32,261	100	271,978	100							
c. Faculty	QIfaculty	1	Poor	9	1	48	2	500	2	4,060	2	<b>5.5</b>	5.4	.01	5.4	.04	5.5	-.02
		2		14	2	83	3	792	3	5,866	2							
		3		33	4	149	5	1,616	5	12,438	5							
		4		103	12	370	12	3,913	12	29,880	11							
		5		218	26	741	23	7,943	24	62,560	23							
		6		267	31	933	29	9,481	29	78,556	28							
		7	Excellent	188	23	792	26	7,784	25	75,798	28							
		—	Not applicable	6	1	14	0	137	0	2,057	1							
			Total	838	100	3,130	100	32,166	100	271,215	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 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%		Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	28	3	158	5	1,596	5	12,670	5	<b>4.9</b>	4.8	.06	4.8 *	.08	4.9	.03
		2		39	5	137	4	1,597	5	12,544	5							
		3		51	6	251	8	2,605	8	19,755	7							
		4		109	13	445	14	4,793	14	36,324	13							
		5		162	19	590	19	6,516	19	50,854	18							
		6		153	18	522	16	5,578	17	46,668	17							
		7	Excellent	120	15	493	16	4,916	16	45,935	17							
		—	Not applicable	180	21	541	17	4,588	15	46,558	19							
	Total	842	100	3,137	100	32,189	100	271,308	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	38	5	173	6	1,764	6	13,831	5	<b>4.9</b>	4.7	.07	4.8	.06	4.9	-.01
		2		37	4	178	6	1,825	6	14,600	5							
		3		67	8	305	10	2,918	9	22,812	8							
		4		127	15	567	18	5,341	16	41,678	15							
		5		202	24	656	20	7,118	22	58,004	21							
		6		185	22	563	18	6,230	19	53,519	19							
		7	Excellent	121	15	517	17	5,185	17	52,154	20							
		—	Not applicable	66	8	186	6	1,875	6	15,268	6							
	Total	843	100	3,145	100	32,256	100	271,866	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	19	2	77	3	543	2	4,839	2	<b>3.1</b>	3.1	.01	3.2 **	-.10	3.1 *	-.08
		2	Some	145	18	584	20	4,906	17	43,782	17							
		3	Quite a bit	394	48	1,355	44	13,751	45	120,207	46							
		4	Very much	257	31	1,013	33	11,889	37	94,000	35							
			Total	815	100	3,029	100	31,089	100	262,828	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	47	6	163	6	1,510	5	12,134	5	<b>2.9</b>	2.9	.00	2.9	-.01	2.9	-.06
		2	Some	193	25	753	25	7,693	25	61,160	24							
		3	Quite a bit	359	44	1,340	44	13,723	44	113,050	43							
		4	Very much	212	25	744	25	7,975	26	74,824	28							
			Total	811	100	3,000	100	30,901	100	261,168	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	93	12	287	9	2,745	9	22,753	9	<b>2.7</b>	2.8 *	-.10	2.8 **	-.11	2.8 ***	-.15
		2	Some	228	29	802	26	8,225	27	64,569	25							
		3	Quite a bit	304	37	1,164	39	11,976	39	99,557	38							
		4	Very much	188	23	742	25	7,957	26	74,499	28							
			Total	813	100	2,995	100	30,903	100	261,378	100							

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



# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	NSSE 2016 & 2017								Your seniors compared with						
				WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	131	17	485	16	5,229	16	38,120	15	<b>2.5</b>	2.5	-.01	2.6	-.01	2.6 *	▽
		2	Some	257	31	991	32	10,181	32	80,320	31							
		3	Quite a bit	263	32	957	32	9,518	31	84,302	32							
		4	Very much	163	19	569	19	5,948	20	58,281	22							
		Total		814	100	3,002	100	30,876	100	261,023	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	66	9	242	8	2,320	8	21,870	9	<b>2.8</b>	2.8	-.03	2.8	-.06	2.8	-.03
		2	Some	218	28	828	27	8,005	26	67,628	27							
		3	Quite a bit	327	40	1,202	40	12,336	40	101,597	38							
		4	Very much	196	24	720	25	8,180	26	69,727	26							
		Total		807	100	2,992	100	30,841	100	260,822	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	93	12	296	10	3,057	10	29,038	12	<b>2.7</b>	2.7	-.04	2.8	-.06	2.7	-.02
		2	Some	228	28	857	29	8,384	27	70,477	27							
		3	Quite a bit	300	37	1,149	38	11,731	38	96,096	36							
		4	Very much	190	23	688	23	7,623	25	64,755	24							
		Total		811	100	2,990	100	30,795	100	260,366	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	305	38	1,087	36	10,515	35	85,495	34	<b>2.0</b>	2.0	-.05	2.1	-.06	2.1 *	▽
		2	Some	268	33	1,021	33	10,928	35	92,026	35							
		3	Quite a bit	170	21	587	20	6,290	20	54,654	21							
		4	Very much	67	8	293	10	3,059	10	28,130	11							
		Total		810	100	2,988	100	30,792	100	260,305	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	97	12	404	14	4,024	14	41,049	18	<b>2.6</b>	2.6	.02	2.6	.01	2.6 *	△
		2	Some	263	33	940	31	9,614	31	76,697	29							
		3	Quite a bit	282	34	1,077	36	10,896	35	88,838	33							
		4	Very much	170	21	566	19	6,210	20	53,196	20							
		Total		812	100	2,987	100	30,744	100	259,780	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	151	20	615	20	5,916	19	51,206	21	<b>2.4</b>	2.3	.05	2.4	.01	2.4	.03
		2	Some	294	36	1,165	38	11,704	38	92,678	36							
		3	Quite a bit	244	30	817	28	8,805	29	76,859	29							
		4	Very much	119	14	381	13	4,273	14	38,733	14							
		Total		808	100	2,978	100	30,698	100	259,476	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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		WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
		Count	%	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. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	0	0	11	0	107	0	1,046	0	<b>14.6</b>	14.6	.01	15.2	-.06	15.2	-.06
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	121	15	480	17	3,815	13	32,417	13							
	8	6-10 hrs	191	24	644	22	6,800	23	58,081	23								
	13	11-15 hrs	160	20	578	20	6,115	20	52,652	20								
	18	16-20 hrs	135	17	531	18	5,713	18	47,347	18								
	23	21-25 hrs	82	10	294	9	3,343	10	28,484	11								
	28	26-30 hrs	51	6	187	6	1,990	6	17,229	6								
	33	More than 30 hrs	66	8	258	8	2,839	9	22,592	9								
	Total	806	100	2,983	100	30,722	100	259,848	100									
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	347	43	1,262	42	11,066	38	104,761	43	<b>4.4</b>	4.7	-.05	5.2 ***	-0.12	4.9 *	-.07
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	262	32	909	30	9,691	30	73,984	27							
	8	6-10 hrs	83	10	362	12	4,564	15	34,598	13								
	13	11-15 hrs	48	6	185	7	2,395	8	19,599	7								
	18	16-20 hrs	29	3	119	4	1,443	5	12,778	5								
	23	21-25 hrs	22	3	66	2	719	2	6,403	2								
	28	26-30 hrs	8	1	23	1	298	1	2,726	1								
	33	More than 30 hrs	8	1	43	2	436	1	4,188	2								
	Total	807	100	2,969	100	30,612	100	259,037	100									
c. Working for pay on campus	tmworkonhrs	0	0 hrs	603	75	2,080	69	20,312	69	180,039	72	<b>3.8</b>	4.6 **	-0.10	4.2	-0.05	3.6	.03
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	21	2	113	4	1,337	4	13,339	4							
	8	6-10 hrs	43	5	202	7	2,688	8	23,437	8								
	13	11-15 hrs	36	5	192	7	2,308	7	17,103	6								
	18	16-20 hrs	55	7	194	7	2,732	8	15,769	6								
	23	21-25 hrs	39	5	100	4	678	2	4,737	2								
	28	26-30 hrs	4	0	42	1	247	1	1,876	1								
	33	More than 30 hrs	5	1	54	2	354	1	2,953	1								
	Total	806	100	2,977	100	30,656	100	259,253	100									

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	241	30	1,249	43	14,656	46	112,021	42	<b>15.3</b>	12.3 ***	.23	11.0 ***	.34	12.8 ***	.19
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	37	4	143	5	1,662	5	12,881	5							
		8	6-10 hrs	50	6	170	5	2,027	6	16,312	6							
		13	11-15 hrs	61	7	196	6	2,187	7	17,195	6							
		18	16-20 hrs	98	12	307	10	2,830	9	23,023	9							
		23	21-25 hrs	93	12	210	7	2,074	7	17,806	7							
		28	26-30 hrs	78	9	163	5	1,431	5	13,076	5							
		33	More than 30 hrs	151	19	536	18	3,773	15	46,745	21							
		Total			809	100	2,974	100	30,640	100	259,059	100						
Estimated number of hours working for pay	tmworkhrs											<b>19.1</b>	16.9 ***	.17	15.2 ***	.31	16.3 ***	.21
	(Continuous variable created by NSSE)												▲		▲		▲	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	378	48	1,491	51	14,395	49	123,831	49	<b>3.1</b>	3.0	.01	3.1	-.01	3.2	-.03
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	307	37	1,034	34	11,519	35	91,687	34							
		8	6-10 hrs	63	8	238	8	2,458	8	22,269	9							
		13	11-15 hrs	23	3	83	3	1,013	3	9,336	4							
		18	16-20 hrs	18	2	55	2	593	2	5,637	2							
		23	21-25 hrs	5	1	37	1	285	1	2,459	1							
		28	26-30 hrs	4	0	9	0	111	0	1,095	0							
		33	More than 30 hrs	8	1	26	1	220	1	2,379	1							
		Total			806	100	2,973	100	30,594	100	258,693	100						
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	15	2	69	2	764	3	7,931	3	<b>11.7</b>	11.3	.04	10.9 *	.09	10.5 ***	.14
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	213	26	802	27	8,135	27	73,586	29							
		8	6-10 hrs	226	27	810	26	8,912	28	73,689	28							
		13	11-15 hrs	132	16	568	19	5,764	19	46,550	18							
		18	16-20 hrs	105	13	355	12	3,531	12	28,748	11							
		23	21-25 hrs	50	6	162	6	1,495	5	12,122	5							
		28	26-30 hrs	24	3	65	2	685	2	5,475	2							
		33	More than 30 hrs	44	6	138	5	1,320	5	10,925	4							
		Total			809	100	2,969	100	30,606	100	259,026	100						

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	NSSE 2016 & 2017								Your seniors compared with						
				WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	577	71	2,032	68	21,822	70	168,985	63	<b>4.8</b>	5.8 *	-0.09	4.8	.00	6.4 ***	-0.14
		3	1-5 hrs	69	9	259	9	3,052	10	26,892	10							
		8	6-10 hrs	31	4	113	4	1,281	4	12,611	5							
		13	11-15 hrs	21	3	71	3	819	3	8,131	3							
		18	16-20 hrs	18	2	81	3	675	2	6,890	3							
		23	21-25 hrs	10	1	34	1	360	1	3,670	2							
		28	26-30 hrs	8	1	26	1	278	1	2,726	1							
		33	More than 30 hrs	71	9	344	12	2,272	8	28,696	12							
			Total	805	100	2,960	100	30,559	100	258,601	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	96	12	559	19	4,427	16	64,119	24	<b>5.3</b>	4.9	.07	5.2	.03	4.8 *	.08
		3	1-5 hrs	487	60	1,670	55	17,755	56	127,355	49							
		8	6-10 hrs	133	16	443	16	5,274	18	40,390	16							
		13	11-15 hrs	45	6	145	5	1,644	6	13,687	6							
		18	16-20 hrs	15	2	62	2	658	2	5,656	2							
		23	21-25 hrs	11	1	24	1	304	1	2,467	1							
		28	26-30 hrs	5	1	13	0	154	1	1,302	1							
		33	More than 30 hrs	17	2	50	2	439	2	4,240	2							
		Total	809	100	2,966	100	30,655	100	259,216	100								
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																		
reading		1	Very little	139	18	515	18	4,777	16	34,488	14	<b>2.7</b>	2.7	-0.03	2.8 *	-0.09	2.9 ***	-0.17
		2	Some	246	31	884	30	8,774	29	70,398	27							
		3	About half	212	26	737	24	7,903	26	71,793	28							
		4	Most	155	19	571	19	6,310	20	57,274	22							
		5	Almost all	56	7	265	8	2,860	9	25,124	9							
			Total	808	100	2,972	100	30,624	100	259,077	100							
	tmreadinghrs										<b>6.5</b>	6.6	-0.02	7.0 *	-0.07	7.4 ***	-0.13	
<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprphrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																		

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
	tmreadinghrscol	1	0 hrs	0	0	11	0	105	0	1,025	0							
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	419	53	1,516	52	14,630	49	117,506	46							
		3	More than 5, up to 10 hrs	220	27	797	27	8,859	29	76,620	29							
		4	More than 10, up to 15 hrs	74	9	292	10	3,229	10	28,845	11							
		5	More than 15, up to 20 hrs	41	5	169	5	1,815	6	16,560	6							
		6	More than 20, up to 25 hrs	35	4	111	3	1,267	4	11,862	4							
		7	More than 25 hrs	13	1	62	2	602	2	5,611	2							
			Total		802	100	2,958	100	30,507	100	258,029	100						

#### 17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?

a. Writing clearly and effectively	pgwrite	1	Very little	52	7	197	7	2,068	7	13,968	6	<b>2.9</b>	2.9	-.03	2.9	-.04	3.0 ***	-.12
		2	Some	193	25	724	24	7,250	24	54,828	22							
		3	Quite a bit	328	41	1,170	39	11,717	38	100,160	38							
		4	Very much	228	28	875	30	9,495	31	89,336	34							
		Total		801	100	2,966	100	30,530	100	258,292	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	68	9	249	8	2,415	8	19,312	8	<b>2.8</b>	2.9	-.02	2.9	-.04	2.9 *	-.07
		2	Some	204	26	772	26	7,754	25	60,025	24							
		3	Quite a bit	301	37	1,103	37	11,432	37	96,610	37							
		4	Very much	226	28	848	29	8,953	30	82,399	31							
		Total		799	100	2,972	100	30,554	100	258,346	100							
c. Thinking critically and analytically	pgthink	1	Very little	28	4	78	3	741	3	5,922	3	<b>3.2</b>	3.2	-.04	3.3 **	-.11	3.3 ***	-.12
		2	Some	129	16	421	14	3,769	13	31,881	13							
		3	Quite a bit	296	37	1,186	40	11,570	38	96,170	37							
		4	Very much	350	43	1,282	43	14,478	47	124,468	47							
		Total		803	100	2,967	100	30,558	100	258,441	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	86	10	325	11	2,796	9	26,620	10	<b>2.8</b>	2.8	.00	2.9 ***	-.12	2.9 *	-.08
		2	Some	243	30	861	29	7,635	25	68,252	26							
		3	Quite a bit	258	33	972	33	10,170	33	84,877	33							
		4	Very much	215	27	808	28	9,959	32	78,550	31							
		Total		802	100	2,966	100	30,560	100	258,299	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU	Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	65	8	265	9	2,678	9	21,769	9	<b>2.9</b>	2.9	.01	2.9	.03	2.9	.02
		2	Some	187	24	675	23	7,220	24	59,752	23							
		3	Quite a bit	273	34	995	33	10,427	34	88,468	34							
		4	Very much	277	34	1,030	34	10,236	33	88,461	34							
		Total		802	100	2,965	100	30,561	100	258,450	100							
f. Working effectively with others	pgothers	1	Very little	39	5	152	5	1,441	5	12,410	6	<b>3.0</b>	3.0	.03	3.0	.00	3.0	.00
		2	Some	164	21	697	24	6,448	22	52,867	21							
		3	Quite a bit	314	39	1,085	36	11,828	38	98,698	38							
		4	Very much	282	35	1,035	35	10,815	35	94,188	36							
		Total		799	100	2,969	100	30,532	100	258,163	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	97	13	369	13	3,524	12	26,139	11	<b>2.8</b>	2.8	-.01	2.8	-.02	2.8	-.06
		2	Some	207	26	729	25	7,573	25	61,272	24							
		3	Quite a bit	255	32	1,018	34	10,347	34	88,534	34							
		4	Very much	242	29	852	29	9,087	29	82,254	31							
		Total		801	100	2,968	100	30,531	100	258,199	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	75	10	340	11	3,679	12	24,993	11	<b>2.8</b>	2.8	.02	2.8	.06	2.8	-.01
		2	Some	212	27	812	26	8,621	27	67,068	26							
		3	Quite a bit	266	33	956	33	9,809	32	86,880	33							
		4	Very much	247	30	852	29	8,416	28	79,152	30							
		Total		800	100	2,960	100	30,525	100	258,093	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	69	9	297	11	2,799	10	23,332	10	<b>2.8</b>	2.8	.03	2.8	-.01	2.8	-.01
		2	Some	222	28	846	28	8,251	27	69,452	27							
		3	Quite a bit	293	37	1,020	34	10,939	35	91,701	35							
		4	Very much	216	26	796	27	8,510	28	73,522	28							
		Total		800	100	2,959	100	30,499	100	258,007	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	106	14	401	14	4,360	15	31,827	13	<b>2.7</b>	2.6	.04	2.6	.04	2.7	-.01
		2	Some	230	29	953	32	9,349	30	74,211	29							
		3	Quite a bit	252	31	897	30	9,509	31	84,272	32							
		4	Very much	206	25	702	24	7,182	24	66,857	26							
		Total		794	100	2,953	100	30,400	100	257,167	100							

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

# NSSE 2017 Frequencies and Statistical Comparisons

## Western Michigan 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	WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017		WMU		Carnegie Peers		Carnegie Class		NSSE 2016 & 2017	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	17	2	80	3	781	3	5,972	3	<b>3.2</b>	3.2	.03	3.2	.02	3.3	-.03	
		2	Fair	96	13	386	13	3,596	12	28,618	12								
		3	Good	351	44	1,335	44	13,307	44	110,236	42								
		4	Excellent	334	41	1,162	40	12,852	41	113,414	43								
			Total	798	100	2,963	100	30,536	100	258,240	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	27	3	148	5	1,432	5	11,752	5	<b>3.3</b>	3.2	.04	3.2	.06	3.2	.03	
		2	Probably no	101	13	352	12	3,824	13	31,935	12								
		3	Probably yes	312	39	1,195	39	11,851	39	98,378	38								
		4	Definitely yes	362	45	1,263	44	13,461	43	116,515	45								
			Total	802	100	2,958	100	30,568	100	258,580	100								

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

# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Comparisons with:			Comparisons with:			Comparisons with:			
														Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	
1 a. askquest	558	2.72	2.75	2.75	2.83	.036	.013	.005	.002	.85	.83	.84	.85	4,572	31,409	223,516	.384	.407	.002	-.04	-.04	-.13	
b. drafts	552	2.46	2.40	2.42	2.49	.040	.016	.006	.002	.93	1.00	.98	.98	737	573	554	.167	.382	.398	.06	.04	-.03	
c. unpreparedr	554	2.98	2.98	3.00	3.04	.033	.012	.004	.002	.77	.75	.76	.77	4,530	31,021	221,268	.995	.470	.041	.00	-.03	-.09	
d. attendart	551	2.21	1.95	1.92	1.93	.042	.014	.005	.002	.98	.91	.91	.92	688	567	552	.000	.000	.000	.29	.32	.31	
e. CLaskhelp	550	2.71	2.67	2.67	2.59	.038	.014	.005	.002	.89	.85	.87	.89	4,507	30,901	220,218	.338	.375	.003	.04	.04	.13	
f. CLexplain	547	2.70	2.78	2.76	2.69	.035	.013	.005	.002	.82	.81	.81	.84	4,501	30,826	219,655	.041	.090	.821	-.09	-.07	.01	
g. CLstudy	546	2.52	2.56	2.60	2.53	.041	.015	.005	.002	.96	.95	.95	.97	4,489	30,699	218,835	.282	.040	.740	-.05	-.09	-.01	
h. CLproject	545	2.58	2.63	2.66	2.62	.037	.014	.005	.002	.85	.85	.85	.88	4,480	30,591	217,939	.252	.032	.347	-.05	-.09	-.04	
i. present	543	2.09	2.16	2.21	2.28	.036	.014	.005	.002	.84	.87	.88	.90	4,475	564	545	.111	.001	.000	-.07	-.13	-.21	
2 a. RLintegrate	539	2.51	2.57	2.58	2.58	.035	.013	.005	.002	.81	.84	.83	.84	4,423	30,064	214,385	.128	.040	.067	-.07	-.09	-.08	
b. RLsocietal	535	2.49	2.51	2.55	2.57	.036	.014	.005	.002	.84	.86	.86	.87	4,395	29,869	213,146	.593	.101	.022	-.02	-.07	-.10	
c. RLdiverse	536	2.48	2.53	2.55	2.57	.039	.014	.005	.002	.90	.89	.89	.89	4,387	29,707	212,114	.247	.089	.029	-.05	-.07	-.09	
d. RLownview	530	2.80	2.74	2.75	2.77	.036	.013	.005	.002	.82	.81	.80	.81	4,361	29,549	210,889	.151	.182	.375	.07	.06	.04	
e. RIperspect	522	2.94	2.87	2.88	2.89	.035	.013	.005	.002	.80	.80	.80	.80	4,334	29,340	209,447	.063	.096	.192	.09	.07	.06	
f. RLnewview	522	2.90	2.80	2.83	2.85	.034	.013	.005	.002	.77	.79	.78	.79	679	540	207,992	.010	.050	.140	.12	.09	.06	
g. RLconnect	514	3.03	2.96	3.02	3.02	.032	.012	.004	.002	.73	.76	.74	.74	4,275	28,919	206,757	.047	.647	.821	.09	.02	.01	
3 a. SFcareer	513	2.48	2.35	2.22	2.25	.041	.015	.005	.002	.94	.91	.91	.92	649	530	514	.004	.000	.000	.14	.28	.25	
b. SFotherwork	510	1.94	1.81	1.76	1.77	.041	.015	.005	.002	.94	.91	.89	.91	4,265	28,830	206,200	.004	.000	.000	.14	.20	.18	
c. SFdiscuss	507	2.09	1.97	1.96	1.99	.039	.014	.005	.002	.88	.88	.87	.89	4,238	28,687	205,230	.005	.002	.012	.13	.14	.11	
d. SFperform	503	2.29	2.13	2.08	2.12	.039	.014	.005	.002	.87	.87	.86	.88	4,236	520	205,055	.000	.000	.000	.18	.25	.20	
4 a. memorize	506	2.95	2.95	2.93	2.90	.035	.013	.005	.002	.78	.79	.79	.81	4,219	28,592	508	.938	.693	.134	.00	.02	.06	
b. HOapply	504	2.89	2.89	2.95	2.92	.035	.013	.005	.002	.79	.79	.79	.80	4,210	28,510	204,044	.890	.083	.312	-.01	-.08	-.05	
c. HOanalyze	503	2.87	2.86	2.92	2.91	.036	.013	.005	.002	.81	.79	.80	.81	4,188	28,356	203,027	.916	.166	.194	.01	-.06	-.06	
d. HOevaluate	501	2.84	2.82	2.86	2.88	.036	.013	.005	.002	.82	.80	.81	.81	4,171	28,309	202,726	.546	.649	.253	.03	-.02	-.05	
e. HOform	500	2.84	2.81	2.85	2.86	.036	.013	.005	.002	.81	.82	.81	.81	4,171	28,268	202,389	.429	.952	.574	.04	.00	-.03	
5 a. ETgoals	499	3.03	3.02	3.04	3.07	.034	.013	.005	.002	.75	.76	.77	.77	4,161	28,267	501	.747	.809	.235	.02	-.01	-.05	
b. ETorganize	499	2.95	2.97	2.99	3.02	.036	.013	.005	.002	.80	.78	.79	.80	4,166	28,229	202,099	.466	.209	.039	-.03	-.06	-.09	
c. ETexample	498	2.93	3.01	3.01	3.02	.037	.013	.005	.002	.82	.80	.82	.82	4,153	28,158	201,797	.039	.048	.012	-.10	-.09	-.11	
d. ETdraftfb	494	2.68	2.76	2.75	2.82	.041	.015	.005	.002	.91	.90	.91	.91	4,142	28,156	201,696	.056	.094	.001	-.09	-.08	-.16	
e. ETfeedback	493	2.63	2.67	2.66	2.74	.040	.015	.005	.002	.89	.88	.89	.90	4,151	28,089	201,184	.319	.469	.006	-.05	-.03	-.12	



# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Comparisons with:			Comparisons with:			Comparisons with:			
														Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	
6 a. QRconclude	493	2.49	2.56	2.59	2.57	.040	.015	.005	.002	.89	.88	.88	.88	4,138	28,102	201,224	.107	.009	.052	-.08	-.12	-.09	
b. QRproblem	489	2.25	2.24	2.28	2.29	.040	.015	.005	.002	.89	.90	.91	.91	4,127	28,056	201,080	.865	.445	.316	.01	-.03	-.05	
c. QRevaluate	493	2.21	2.27	2.30	2.28	.039	.014	.005	.002	.87	.87	.87	.88	4,131	28,072	201,128	.106	.023	.048	-.08	-.10	-.09	
7 a. wrshortnum	435	6.72	6.73	6.56	6.63	.285	.103	.036	.013	5.95	5.88	5.67	5.71	3,704	25,260	182,385	.980	.550	.746	.00	.03	.02	
b. wrmednum	433	1.96	2.37	2.19	2.24	.133	.058	.020	.008	2.77	3.29	3.13	3.23	608	24,974	435	.006	.137	.036	-.12	-.07	-.09	
c. wrlongnum	435	.84	.85	.83	.89	.110	.044	.016	.006	2.30	2.49	2.53	2.73	3,663	24,857	179,189	.972	.883	.736	.00	.01	-.02	
— wrpages	431	48.51	51.35	48.75	50.27	2.864	1.164	.410	.161	59.45	65.79	63.81	67.76	3,626	24,638	177,539	.396	.939	.592	-.04	.00	-.03	
8 a. DDrace	432	3.00	2.96	3.02	3.03	.042	.016	.006	.002	.88	.90	.90	.91	3,689	25,179	181,803	.369	.802	.526	.05	-.01	-.03	
b. DDeconomic	429	3.00	2.98	3.02	3.01	.041	.015	.006	.002	.85	.87	.87	.88	3,673	25,091	181,204	.674	.742	.818	.02	-.02	-.01	
c. DDreligion	428	2.89	2.93	2.92	2.93	.045	.016	.006	.002	.93	.91	.94	.94	3,664	25,074	181,196	.407	.525	.411	-.04	-.03	-.04	
d. DDpolitical	428	2.94	3.00	2.97	2.95	.044	.016	.006	.002	.91	.90	.90	.92	3,668	25,067	181,061	.184	.412	.781	-.07	-.04	-.01	
9 a. LSreading	428	2.98	2.96	3.02	3.04	.035	.014	.005	.002	.72	.77	.76	.76	565	443	429	.595	.329	.106	.03	-.05	-.07	
b. LSnotes	428	2.87	2.84	2.87	2.90	.042	.016	.006	.002	.87	.88	.88	.88	3,653	24,916	179,928	.511	.995	.469	.03	.00	-.04	
c. LSsummary	426	2.81	2.73	2.77	2.81	.041	.015	.006	.002	.85	.88	.87	.87	3,639	24,811	179,168	.074	.386	.944	.09	.04	.00	
10. challenge	426	5.27	5.36	5.43	5.44	.058	.022	.008	.003	1.19	1.24	1.21	1.24	3,632	24,789	179,148	.157	.005	.004	-.07	-.14	-.14	
11 a. intern <sup>l</sup>	425	.080	.068	.075	.078	.0132	.0044	.0017	.0006	--	--	--	--	--	--	--	.357	.720	.879	.05	.02	.01	
b. leader <sup>l</sup>	419	.112	.119	.112	.111	.0154	.0057	.0020	.0007	--	--	--	--	--	--	--	.669	1.000	.968	-.02	.00	.00	
c. learncom <sup>l</sup>	414	.143	.278	.169	.135	.0172	.0079	.0024	.0008	--	--	--	--	--	--	--	.000	.166	.643	-.34	-.07	.02	
d. abroad <sup>l</sup>	413	.041	.035	.030	.030	.0098	.0033	.0011	.0004	--	--	--	--	--	--	--	.559	.182	.206	.03	.06	.06	
e. research <sup>l</sup>	415	.041	.042	.046	.047	.0098	.0035	.0013	.0005	--	--	--	--	--	--	--	.946	.667	.572	.00	-.02	-.03	
f. capstone <sup>l</sup>	414	.013	.025	.020	.021	.0056	.0028	.0009	.0003	--	--	--	--	--	--	--	.142	.326	.260	-.09	-.05	-.06	
12. servcourse	412	1.67	1.64	1.60	1.63	.034	.012	.004	.002	.68	.70	.68	.70	3,585	24,469	176,744	.518	.042	.284	.03	.10	.05	
13 a. QIstudent	413	5.43	5.34	5.41	5.40	.065	.024	.009	.003	1.32	1.37	1.37	1.40	3,549	24,322	174,850	.224	.799	.741	.06	.01	.02	
b. QIadvisor	411	5.41	5.21	5.14	5.20	.076	.029	.011	.004	1.54	1.60	1.66	1.66	3,553	23,942	172,850	.019	.001	.010	.12	.16	.13	
c. QIfaculty	407	5.19	5.23	5.20	5.28	.070	.024	.009	.003	1.41	1.36	1.42	1.44	3,539	24,185	174,285	.591	.887	.226	-.03	-.01	-.06	
d. QIstaff	385	5.00	5.00	5.00	5.01	.079	.029	.011	.004	1.55	1.58	1.62	1.66	3,293	22,296	158,036	.935	.960	.912	.00	.00	-.01	
e. QIadmin	385	5.03	4.93	4.89	4.95	.077	.029	.011	.004	1.52	1.60	1.65	1.67	3,331	400	386	.215	.075	.298	.07	.08	.05	
14 a. empstudy	386	3.10	3.09	3.16	3.14	.037	.014	.005	.002	.73	.77	.74	.75	502	399	387	.792	.126	.341	.01	-.08	-.05	
b. SEacademic	383	3.02	3.00	3.05	3.06	.040	.015	.005	.002	.79	.82	.82	.82	3,365	23,060	384	.702	.532	.385	.02	-.03	-.04	
c. SElearnsup	381	2.99	3.01	3.08	3.09	.047	.016	.006	.002	.91	.90	.88	.89	3,362	23,032	166,989	.771	.061	.039	-.02	-.10	-.11	

# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Comparisons with:			Comparisons with:			Comparisons with:			
														Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	
d. SEdiverse	379	2.84	2.71	2.74	2.78	.049	.018	.006	.002	.95	.97	.95	.95	3,356	23,011	166,779	.013	.057	.221	.14	.10	.06	
e. SESocial	377	2.99	2.95	2.97	2.96	.044	.016	.006	.002	.85	.85	.87	.88	3,343	22,980	166,538	.332	.621	.406	.05	.03	.04	
f. SEwellness	375	2.95	2.94	2.96	2.93	.044	.016	.006	.002	.85	.87	.88	.90	3,343	22,929	376	.889	.762	.637	.01	-.02	.02	
g. SEnonacad	376	2.44	2.36	2.35	2.37	.049	.018	.006	.002	.94	.96	.96	.97	3,328	22,906	166,102	.117	.072	.141	.09	.09	.08	
h. SEactivities	376	2.88	2.86	2.85	2.80	.044	.016	.006	.002	.84	.87	.89	.94	3,327	389	377	.718	.429	.083	.02	.04	.08	
i. SEevents	374	2.56	2.53	2.55	2.55	.048	.017	.006	.002	.93	.93	.94	.96	3,314	22,843	165,678	.549	.765	.826	.03	.02	.01	
15 a. tmprephrs	376	15.55	14.17	15.15	14.74	.428	.150	.055	.020	8.31	8.16	8.24	8.29	3,321	22,847	165,825	.002	.345	.058	.17	.05	.10	
b. tmcocurrhrs	374	6.11	5.67	5.81	5.71	.378	.130	.046	.017	7.32	7.07	6.83	7.01	3,310	384	165,080	.267	.439	.270	.06	.04	.06	
c. tmworkonhrs	375	3.28	2.72	2.38	2.38	.328	.111	.038	.014	6.34	6.01	5.67	5.62	463	384	375	.104	.007	.006	.09	.16	.16	
d. tmworkoffhrs	376	3.94	4.14	4.41	5.76	.449	.153	.058	.025	8.70	8.33	8.66	10.10	3,322	22,786	377	.670	.298	.000	-.02	-.05	-.18	
— tmworkhrs	374	7.10	6.85	6.75	8.10	.524	.198	.071	.028	10.13	10.71	10.58	11.54	3,308	22,690	375	.670	.536	.056	.02	.03	-.09	
e. tmservicehrs	376	2.46	2.35	2.41	2.54	.229	.085	.030	.012	4.45	4.62	4.48	4.72	3,313	22,749	164,961	.669	.837	.757	.02	.01	-.02	
f. tmrelaxhrs	375	14.08	12.81	12.51	12.14	.467	.158	.056	.021	9.03	8.55	8.42	8.50	464	385	165,114	.010	.001	.000	.15	.19	.23	
g. tmcarehrs	374	2.04	1.88	1.97	3.07	.299	.107	.038	.019	5.78	5.81	5.75	7.61	3,310	22,704	376	.626	.822	.001	.03	.01	-.14	
h. tmcommutehrs	376	4.37	3.51	3.89	3.79	.329	.103	.038	.015	6.39	5.60	5.76	5.90	452	385	376	.014	.151	.080	.15	.08	.10	
16. reading	373	2.54	2.57	2.67	2.76	.055	.020	.007	.003	1.06	1.07	1.10	1.10	3,306	22,733	165,030	.633	.018	.000	-.03	-.12	-.20	
— tmreadinghrs	371	6.15	5.89	6.64	6.80	.278	.099	.038	.015	5.36	5.36	5.74	5.89	3,296	22,649	372	.371	.105	.020	.05	-.08	-.11	
17 a. pgwrite	373	2.73	2.68	2.73	2.81	.043	.017	.006	.002	.83	.91	.89	.87	493	22,623	164,261	.344	.904	.076	.05	-.01	-.09	
b. pgspeak	373	2.58	2.59	2.59	2.67	.046	.017	.006	.002	.89	.94	.93	.92	3,292	22,594	164,199	.886	.745	.056	-.01	-.02	-.10	
c. pgthink	373	3.01	3.00	3.05	3.07	.041	.015	.005	.002	.80	.82	.81	.81	3,286	22,600	164,246	.691	.397	.195	.02	-.04	-.07	
d. pganalyze	372	2.60	2.56	2.66	2.64	.048	.017	.006	.002	.92	.94	.94	.95	3,284	22,616	164,141	.473	.250	.379	.04	-.06	-.05	
e. pgwork	374	2.69	2.58	2.58	2.60	.047	.018	.006	.002	.90	.97	.96	.96	490	387	375	.032	.020	.069	.11	.11	.09	
f. pgothers	373	2.81	2.81	2.80	2.83	.044	.016	.006	.002	.86	.89	.88	.88	3,288	22,591	164,077	.941	.912	.683	.00	.01	-.02	
g. pgvalues	375	2.68	2.66	2.68	2.71	.047	.018	.006	.002	.91	.95	.95	.95	3,289	22,590	163,978	.632	.857	.597	.03	.01	-.03	
h. pgdiverse	371	2.83	2.73	2.75	2.79	.048	.017	.006	.002	.93	.93	.94	.94	3,273	22,573	163,981	.051	.078	.326	.11	.09	.05	
i. pgprobsolve	371	2.73	2.59	2.62	2.64	.047	.017	.006	.002	.91	.94	.93	.93	3,273	22,568	163,868	.008	.023	.058	.15	.12	.10	
j. pgcitizen	372	2.71	2.61	2.64	2.67	.047	.017	.006	.002	.91	.93	.94	.94	3,272	22,514	163,406	.066	.170	.407	.10	.07	.04	
18. evalexp	372	3.25	3.14	3.20	3.20	.036	.014	.005	.002	.70	.75	.73	.74	3,277	22,580	164,093	.007	.131	.197	.15	.08	.07	
19. sameinst	373	3.33	3.21	3.22	3.22	.039	.015	.005	.002	.76	.80	.80	.81	3,276	22,599	164,271	.006	.008	.008	.15	.14	.14	

# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017
1 a. askquest	1,048	3.08	3.06	3.02	3.10	.026	.012	.004	.002	.83	.87	.88	.87	1,555	41,805	1,055	.366	.028	.589	.03	.07	-.02
b. drafts	1,041	2.33	2.35	2.34	2.41	.031	.014	.005	.002	1.00	.99	1.00	1.01	6,129	41,495	321,014	.718	.865	.015	-.01	-.01	-.08
c. unpreparedr	1,037	2.94	2.96	2.93	2.99	.025	.011	.004	.001	.80	.79	.81	.81	6,113	41,413	320,388	.411	.700	.024	-.03	.01	-.07
d. attendart	1,037	1.92	1.77	1.81	1.81	.030	.012	.004	.002	.95	.88	.89	.90	6,109	41,283	319,621	.000	.000	.000	.16	.12	.12
e. CLaskhelp	1,035	2.59	2.43	2.53	2.42	.028	.013	.004	.002	.91	.89	.90	.91	6,096	41,269	319,269	.000	.030	.000	.18	.07	.18
f. CLexplain	1,033	2.91	2.78	2.82	2.73	.025	.012	.004	.002	.81	.85	.84	.87	1,531	1,089	1,040	.000	.000	.000	.16	.11	.21
g. CLstudy	1,031	2.59	2.46	2.57	2.47	.031	.014	.005	.002	.98	.98	.99	1.01	6,052	41,051	317,779	.000	.466	.000	.13	.02	.12
h. CLproject	1,027	2.99	2.81	2.92	2.83	.027	.013	.004	.002	.87	.91	.89	.93	1,522	1,082	1,034	.000	.007	.000	.20	.08	.17
i. present	1,029	2.78	2.68	2.70	2.69	.030	.014	.005	.002	.95	.97	.95	.98	6,032	40,935	1,035	.002	.007	.002	.11	.08	.10
2 a. RIntegrate	1,019	2.98	2.94	2.96	2.93	.026	.012	.004	.001	.83	.82	.82	.84	5,977	40,466	313,346	.145	.432	.091	.05	.02	.05
b. RISocietal	1,018	2.79	2.75	2.76	2.79	.027	.013	.005	.002	.88	.89	.91	.90	5,938	1,075	312,150	.231	.234	.892	.04	.04	.00
c. RIDiverse	1,013	2.60	2.54	2.53	2.62	.030	.014	.005	.002	.97	.96	.98	.96	5,923	40,085	310,934	.114	.038	.513	.05	.07	-.02
d. Rlownview	1,006	2.87	2.82	2.81	2.84	.026	.012	.004	.001	.83	.82	.83	.83	5,886	39,927	309,764	.141	.043	.364	.05	.06	.03
e. Rlperspect	999	3.03	2.94	2.94	2.96	.025	.012	.004	.001	.80	.81	.82	.81	5,869	39,697	308,131	.001	.001	.008	.12	.11	.08
f. Rlnewview	996	3.01	2.90	2.94	2.95	.024	.011	.004	.001	.77	.78	.79	.79	1,452	1,050	306,754	.000	.005	.026	.13	.09	.07
g. Rlconnect	992	3.20	3.16	3.17	3.19	.023	.011	.004	.001	.72	.74	.73	.73	5,803	39,303	305,325	.114	.317	.860	.06	.03	.01
3 a. SFcareer	991	2.51	2.49	2.43	2.42	.032	.014	.005	.002	.99	.98	.97	.98	5,822	39,329	305,523	.397	.005	.002	.03	.09	.10
b. SFotherwork	989	2.07	2.00	1.99	1.94	.034	.015	.005	.002	1.06	1.02	1.02	1.01	1,386	1,036	994	.095	.030	.000	.06	.07	.12
c. SFdiscuss	985	2.18	2.20	2.19	2.15	.030	.014	.005	.002	.94	.93	.93	.95	5,775	39,099	303,815	.393	.598	.458	-.03	-.02	.02
d. SFperform	982	2.24	2.25	2.20	2.20	.029	.013	.005	.002	.91	.90	.90	.91	5,773	39,053	303,573	.766	.133	.207	-.01	.05	.04
4 a. memorize	974	2.81	2.73	2.76	2.72	.028	.013	.004	.002	.86	.88	.88	.89	5,763	39,024	980	.010	.109	.001	.09	.05	.10
b. HOapply	976	3.01	3.06	3.09	3.09	.026	.012	.004	.001	.82	.80	.79	.79	5,748	38,947	302,682	.142	.002	.004	-.05	-.10	-.09
c. HOanalyze	969	2.95	3.01	3.03	3.05	.026	.012	.004	.001	.82	.83	.83	.82	5,727	38,790	301,654	.024	.002	.000	-.08	-.10	-.12
d. HOevaluate	971	2.82	2.87	2.86	2.93	.029	.013	.005	.002	.89	.86	.88	.86	1,368	38,712	976	.109	.133	.000	-.06	-.05	-.12
e. HOform	965	2.86	2.89	2.91	2.95	.027	.012	.004	.002	.84	.85	.85	.83	5,680	38,630	300,689	.295	.128	.002	-.04	-.05	-.10
5 a. ETgoals	970	3.10	3.11	3.12	3.15	.024	.011	.004	.001	.76	.78	.78	.78	5,700	1,022	976	.666	.508	.070	-.02	-.02	-.06
b. ETorganize	967	3.03	3.03	3.05	3.09	.025	.012	.004	.001	.78	.81	.80	.80	5,689	38,624	972	.987	.433	.026	.00	-.03	-.07
c. ETexample	968	3.03	3.09	3.10	3.09	.026	.012	.004	.002	.81	.83	.82	.83	5,684	38,581	974	.037	.019	.017	-.07	-.08	-.08
d. ETdraftfb	965	2.71	2.76	2.69	2.76	.031	.014	.005	.002	.95	.96	.96	.96	5,678	38,554	300,119	.172	.525	.154	-.05	.02	-.05
e. ETfeedback	961	2.72	2.79	2.77	2.82	.029	.013	.005	.002	.90	.90	.89	.90	5,661	38,426	299,243	.032	.080	.001	-.08	-.06	-.11

# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Comparisons with:			Comparisons with:			Comparisons with:		
														Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017
6 a. QRconclude	962	2.62	2.63	2.68	2.65	.030	.014	.005	.002	.92	.93	.92	.92	5,668	38,441	299,542	.833	.048	.380	-.01	-.06	-.03
b. QRproblem	960	2.37	2.38	2.42	2.41	.031	.014	.005	.002	.96	.95	.97	.96	5,666	38,409	299,200	.845	.166	.187	-.01	-.05	-.04
c. QRevaluate	959	2.38	2.37	2.44	2.42	.029	.014	.005	.002	.89	.93	.92	.92	1,414	1,011	965	.960	.020	.164	.00	-.07	-.04
7 a. wrshortnum	863	8.10	7.33	7.12	7.71	.236	.101	.035	.013	6.93	6.60	6.42	6.69	5,133	900	867	.002	.000	.095	.12	.15	.06
b. wrmednum	856	3.30	3.18	3.22	3.60	.138	.063	.022	.008	4.04	4.07	4.09	4.41	5,071	34,696	272,191	.431	.604	.046	.03	.02	-.07
c. wrlongnum	859	1.74	1.76	1.81	1.94	.110	.052	.019	.007	3.23	3.41	3.45	3.63	5,074	34,642	865	.903	.585	.066	.00	-.02	-.06
— wrpages	850	76.89	72.86	73.23	79.95	2.931	1.349	.475	.178	85.43	86.98	86.67	92.05	5,003	34,133	267,455	.218	.225	.333	.05	.04	-.03
8 a. DDrace	857	3.09	3.03	3.05	3.08	.031	.014	.005	.002	.90	.91	.92	.92	5,150	35,107	275,483	.074	.212	.756	.07	.04	.01
b. DDeconomic	856	3.11	3.06	3.06	3.06	.028	.013	.005	.002	.83	.87	.88	.89	5,137	35,011	861	.090	.059	.058	.06	.07	.06
c. DDreligion	852	3.02	2.96	2.94	2.98	.030	.014	.005	.002	.89	.92	.95	.94	5,122	900	857	.076	.016	.186	.07	.08	.04
d. DDpolitical	856	3.05	3.04	2.99	2.98	.030	.014	.005	.002	.86	.91	.92	.92	5,124	34,967	861	.754	.066	.014	.01	.06	.08
9 a. LSreading	850	3.09	3.07	3.10	3.14	.027	.012	.004	.002	.79	.79	.79	.79	5,083	34,838	273,543	.448	.749	.052	.03	-.01	-.07
b. LSnotes	851	2.76	2.78	2.80	2.83	.032	.014	.005	.002	.93	.93	.93	.93	5,087	34,812	273,317	.750	.302	.033	-.01	-.04	-.07
c. LSsummary	850	2.78	2.79	2.79	2.84	.030	.014	.005	.002	.88	.90	.90	.90	5,070	34,661	272,221	.707	.726	.053	-.01	-.01	-.07
10. challenge	845	5.42	5.49	5.52	5.57	.043	.020	.007	.002	1.26	1.31	1.28	1.28	5,066	34,655	272,096	.131	.019	.000	-.06	-.08	-.12
11 a. intern <sup>l</sup>	846	.499	.490	.511	.490	.0172	.0077	.0027	.0010	--	--	--	--	--	--	--	.630	.504	.580	.02	-.02	.02
b. leader <sup>l</sup>	846	.335	.373	.388	.352	.0162	.0074	.0027	.0009	--	--	--	--	--	--	--	.035	.002	.292	-.08	-.11	-.04
c. learncom <sup>l</sup>	841	.264	.292	.256	.231	.0152	.0070	.0024	.0008	--	--	--	--	--	--	--	.104	.601	.025	-.06	.02	.08
d. abroad <sup>l</sup>	842	.143	.144	.147	.137	.0121	.0054	.0019	.0007	--	--	--	--	--	--	--	.935	.734	.638	.00	-.01	.02
e. research <sup>l</sup>	843	.230	.219	.251	.232	.0145	.0064	.0024	.0008	--	--	--	--	--	--	--	.486	.176	.881	.03	-.05	-.01
f. capstone <sup>l</sup>	844	.419	.501	.444	.451	.0170	.0077	.0027	.0010	--	--	--	--	--	--	--	.000	.150	.061	-.17	-.05	-.06
12. servcourse	841	1.77	1.71	1.72	1.74	.024	.011	.004	.001	.70	.71	.70	.72	5,024	34,387	270,227	.056	.042	.346	.07	.07	.03
13 a. QIstudent	832	5.57	5.57	5.57	5.58	.043	.021	.007	.003	1.24	1.33	1.33	1.34	1,256	34,091	837	.881	.912	.840	.01	.00	-.01
b. QIadvisor	838	5.23	5.09	5.02	5.19	.057	.028	.010	.003	1.65	1.81	1.79	1.77	1,278	887	843	.029	.000	.495	.08	.12	.02
c. QIfaculty	829	5.47	5.45	5.42	5.50	.045	.022	.008	.003	1.28	1.40	1.39	1.40	1,253	877	834	.702	.252	.447	.01	.04	-.02
d. QIstaff	661	4.93	4.82	4.79	4.88	.064	.029	.010	.004	1.64	1.72	1.72	1.74	957	694	665	.132	.032	.452	.06	.08	.03
e. QIadmin	775	4.87	4.74	4.76	4.89	.058	.027	.010	.003	1.62	1.71	1.72	1.73	1,140	817	780	.052	.064	.759	.07	.06	-.01
14 a. empstudy	811	3.08	3.08	3.16	3.14	.027	.013	.004	.001	.76	.80	.77	.76	4,815	852	260,604	.802	.005	.027	.01	-.10	-.08
b. SEacademic	807	2.89	2.89	2.90	2.94	.030	.013	.005	.002	.85	.84	.84	.85	4,771	32,858	258,929	.916	.745	.103	.00	-.01	-.06
c. SElearnsup	809	2.71	2.80	2.81	2.84	.033	.015	.005	.002	.95	.92	.92	.93	1,144	847	813	.012	.002	.000	-.10	-.11	-.15

# NSSE 2017 Frequencies and Statistical Comparisons

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

### Western Michigan 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>		
														Comparisons with:			Comparisons with:			Comparisons with:						
	WMU	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	WMU	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017	Carnegie Peers	Carnegie Class	NSSE 2016 & 2017				
d. SEdiverse	810	2.54	2.55	2.55	2.61	.035	.016	.006	.002	.99	.98	.99	.99	4,778	32,825	258,677	.788	.750	.037	-.01	-.01	-.07				
e. SESocial	802	2.78	2.81	2.84	2.81	.032	.014	.005	.002	.90	.90	.90	.93	4,757	32,778	258,406	.398	.076	.472	-.03	-.06	-.03				
f. SEwellness	807	2.71	2.74	2.76	2.73	.034	.015	.005	.002	.95	.93	.94	.96	4,761	32,727	257,973	.351	.099	.549	-.04	-.06	-.02				
g. SEnonacad	806	1.99	2.05	2.06	2.08	.034	.016	.005	.002	.96	.98	.97	.98	4,755	32,726	257,882	.165	.072	.010	-.05	-.06	-.09				
h. SEactivities	808	2.63	2.61	2.62	2.55	.033	.015	.005	.002	.94	.95	.96	1.00	4,759	32,683	813	.644	.732	.024	.02	.01	.08				
i. SEevents	804	2.39	2.34	2.37	2.36	.034	.015	.005	.002	.96	.95	.95	.97	4,743	32,633	256,982	.232	.706	.419	.05	.01	.03				
15 a. tmprephrs	802	14.65	14.56	15.19	15.22	.313	.143	.050	.018	8.86	8.98	8.95	8.88	4,749	32,658	257,374	.801	.088	.067	.01	-.06	-.06				
b. tmcocurrhrs	803	4.39	4.73	5.22	4.90	.234	.110	.039	.014	6.62	6.91	7.02	7.07	4,726	849	808	.204	.000	.030	-.05	-.12	-.07				
c. tmworkonhrs	802	3.80	4.61	4.20	3.60	.265	.130	.042	.014	7.51	8.18	7.53	7.08	1,221	32,579	806	.006	.138	.442	-.10	-.05	.03				
d. tmworkoffhrs	805	15.34	12.31	11.00	12.77	.452	.210	.071	.027	12.84	13.18	12.60	13.41	4,735	32,561	810	.000	.000	.000	.23	.34	.19				
— tmworkhrs	801	19.10	16.87	15.16	16.32	.431	.211	.073	.027	12.20	13.19	12.92	13.40	1,213	846	806	.000	.000	.000	.17	.31	.21				
e. tmservicehrs	803	3.06	3.02	3.12	3.24	.187	.086	.030	.011	5.29	5.36	5.29	5.51	4,731	32,516	807	.871	.745	.330	.01	-.01	-.03				
f. tmrelaxhrs	805	11.67	11.30	10.95	10.54	.302	.133	.046	.016	8.57	8.32	8.14	8.10	4,729	842	809	.252	.019	.000	.04	.09	.14				
g. tmcarehrs	801	4.81	5.76	4.81	6.36	.359	.177	.056	.022	10.15	11.09	9.97	11.30	1,223	32,470	806	.018	.991	.000	-.09	.00	-.14				
h. tmcommutehrs	805	5.33	4.90	5.15	4.84	.211	.094	.033	.012	5.98	5.89	5.83	6.03	4,724	32,566	256,674	.061	.398	.022	.07	.03	.08				
16. reading	804	2.66	2.70	2.77	2.86	.041	.019	.007	.002	1.16	1.21	1.20	1.18	4,734	32,542	256,513	.442	.012	.000	-.03	-.09	-.17				
— tmreadinghrs	798	6.51	6.61	6.98	7.36	.215	.100	.035	.013	6.09	6.26	6.27	6.44	4,711	32,414	803	.698	.037	.000	-.02	-.07	-.13				
17 a. pgwrite	798	2.89	2.92	2.93	3.01	.031	.014	.005	.002	.88	.89	.91	.89	4,723	32,455	255,744	.425	.231	.000	-.03	-.04	-.12				
b. pgspeak	796	2.84	2.86	2.88	2.91	.033	.015	.005	.002	.93	.93	.93	.94	4,725	32,471	255,805	.525	.217	.043	-.02	-.04	-.07				
c. pgthink	800	3.20	3.23	3.28	3.29	.030	.013	.004	.002	.84	.80	.79	.79	4,724	32,473	255,880	.296	.003	.001	-.04	-.11	-.12				
d. pganalyze	799	2.77	2.78	2.89	2.85	.034	.015	.005	.002	.96	.97	.96	.97	4,723	32,481	255,751	.907	.001	.017	.00	-.12	-.08				
e. pgwork	799	2.94	2.93	2.91	2.92	.034	.015	.005	.002	.95	.97	.96	.96	4,722	32,480	255,886	.830	.470	.668	.01	.03	.02				
f. pgothers	796	3.03	3.01	3.03	3.03	.031	.014	.005	.002	.87	.89	.88	.89	4,723	32,449	255,626	.424	.966	.897	.03	.00	.00				
g. pgvalues	798	2.77	2.78	2.79	2.83	.036	.016	.006	.002	1.01	1.00	.99	.99	4,721	32,440	255,658	.838	.572	.090	-.01	-.02	-.06				
h. pgdiverse	797	2.82	2.80	2.76	2.83	.034	.016	.006	.002	.97	.99	.99	.98	4,707	32,434	255,498	.596	.117	.825	.02	.06	-.01				
i. pgprobsolve	797	2.80	2.78	2.82	2.82	.033	.015	.005	.002	.93	.96	.95	.95	4,711	32,412	255,417	.487	.711	.675	.03	-.01	-.01				
j. pgcitizen	791	2.68	2.65	2.65	2.70	.036	.016	.006	.002	1.00	.99	1.00	1.00	4,695	32,303	254,554	.354	.321	.677	.04	.04	-.01				
18. evalexp	795	3.24	3.21	3.23	3.26	.027	.012	.004	.002	.76	.77	.77	.77	4,712	32,450	255,696	.392	.676	.370	.03	.02	-.03				
19. sameinst	799	3.25	3.22	3.20	3.23	.028	.013	.005	.002	.81	.84	.85	.85	4,706	32,478	256,005	.351	.121	.461	.04	.06	.03				

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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."
- 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 Ns 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."