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# NSSE 2013

## Frequencies and Statistical Comparisons

Western Michigan University

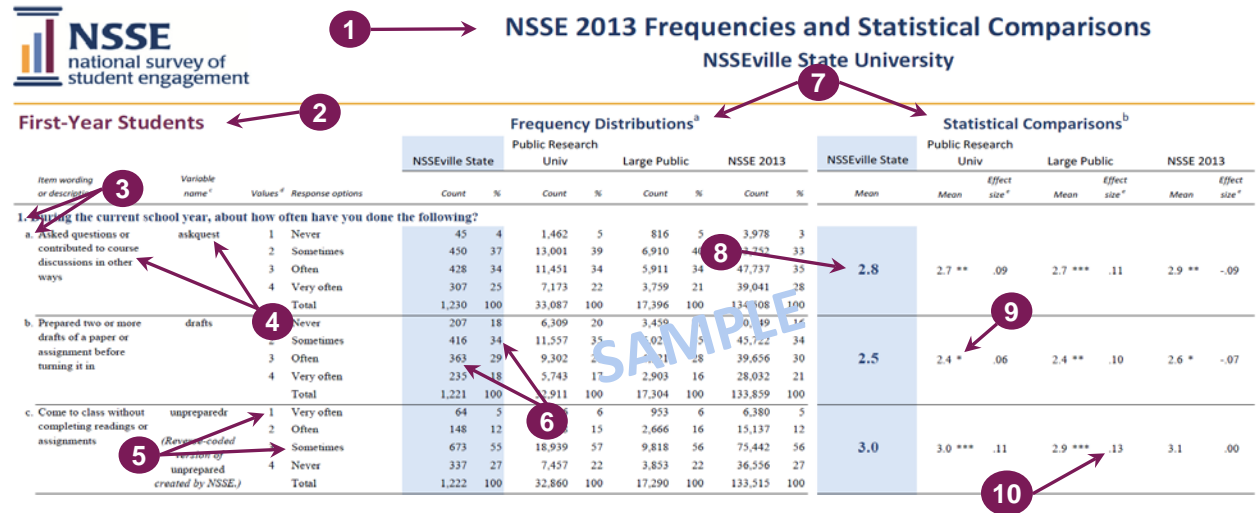
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# NSSE 2013 Frequencies and Statistical Comparisons

## Interpreting Your Report

The display below highlights details in the *Frequencies and Statistical Comparisons* report that are important to keep in mind when interpreting your results. For more information about the sampling technique, weighting, engagement indicators, and the survey properties, please visit our Web site ([nsse.iub.edu](http://nsse.iub.edu)) or contact a member of the NSSE team.

1. The *Frequencies and Statistical Comparisons* report is based on information from all randomly selected or census-administered students for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.
2. **Class:** As reported by your institution.
3. **Item numbers:** Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE Web site.
4. **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.
5. **Values and response options:** Values are used to calculate means. Response options are listed as they appear on the instrument.
6. **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. Counts are unweighted and cannot be used to replicate column percentages.
7. **Weighting:** Column percentages and statistics are weighted by gender and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted. For more details visit: [nsse.iub.edu/html/weighting.cfm](http://nsse.iub.edu/html/weighting.cfm)
8. **Mean:** The mean is the weighted arithmetic average of student responses on a particular item.



		Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>b</sup>														
		NSSEville State		Univ		Large Public		NSSE 2013		NSSEville State		Public Research		Univ		Large Public		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	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	45	4	1,462	5	816	5	3,978	3	2.8	2.7 **	.09	2.7 ***	.11	2.9 **	-.09		
		2	Sometimes	450	37	13,001	39	6,910	40	17,243	33									
		3	Often	428	34	11,451	34	5,911	34	47,737	35									
		4	Very often	307	25	7,173	22	3,759	21	39,041	28									
			Total	1,230	100	33,087	100	17,396	100	134,108	100									
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	207	18	6,309	20	3,459	10	10,499	16	2.5	2.4 *	.06	2.4 **	.10	2.6 *	-.07		
		2	Sometimes	416	34	11,557	35	6,021	5	45,722	34									
		3	Often	363	29	9,302	28	7,711	28	39,656	30									
		4	Very often	235	19	5,743	17	2,903	16	28,032	21									
			Total	1,221	100	17,911	100	17,304	100	133,859	100									
c. Come to class without completing readings or assignments	unprepared <sup>(Revised version of unprepared created by NSSE.)</sup>	1	Very often	64	5	6	6	953	6	6,380	5	3.0	3.0 ***	.11	2.9 ***	.13	3.1	.00		
		2	Often	148	12	15	15	2,666	16	15,137	12									
		3	Sometimes	673	55	18,939	57	9,818	56	75,442	56									
		4	Never	337	27	7,457	22	3,853	22	36,556	27									
			Total	1,222	100	32,860	100	17,290	100	133,515	100									

9. **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 below) to judge the practical meaning of the results. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Exceptions are items 11 a-f which are compared using a z-test.
10. **Effect size:** Effect size indicates practical significance. In practice, 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 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.

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>													
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013										
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>							
<b>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 2 3 4	Never Sometimes Often Very often	28 223 222 149	5 36 35 24	486 5,315 5,198 3,396	3 37 36 24	149 1,729 1,723 1,106	4 37 37 23	3,995 43,979 47,943 39,199	3 33 35 28	<b>2.8</b>	2.8	-.03	2.8	.00	2.9 **	-.12							
Total				622	100	14,395	100	4,707	100	135,116	100														
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1 2 3 4	Never Sometimes Often Very often	104 239 169 106	17 39 27 16	2,279 4,976 4,277 2,788	17 35 29 19	795 1,580 1,383 921	19 34 29 18	20,552 45,899 39,850 28,161	16 34 30 21								<b>2.4</b>	2.5	-.08	2.5	-.02	2.6 **	-.12
Total				618	100	14,320	100	4,679	100	134,462	100														
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1 2 3 4	Very often Often Sometimes Never	39 65 359 154	7 11 58 25	713 1,750 8,123 3,695	5 13 56 26	223 576 2,651 1,225	5 13 56 26	6,405 15,220 75,756 36,739	5 12 56 27														
Total				617	100	14,281	100	4,675	100	134,120	100														
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendant	1 2 3 4	Never Sometimes Often Very often	132 238 147 101	22 39 23 15	5,841 5,343 1,968 1,118	43 36 13 8	1,903 1,691 681 377	42 36 14 8	45,384 52,396 23,074 12,980	37 38 16 9	<b>2.3</b>	1.9 ***	.50	1.9 ***	.47	2.0 ***	.37							
Total				618	100	14,270	100	4,652	100	133,834	100														
e. Asked another student to help you understand course material	CLaskhelp	1 2 3 4	Never Sometimes Often Very often	56 233 214 113	9 38 35 18	1,167 6,007 4,735 2,320	9 43 33 16	373 1,995 1,546 729	10 44 32 15	12,674 54,502 44,017 22,472	11 42 32 16								<b>2.6</b>	2.6	.06	2.5 *	.11	2.5 *	.09
Total				616	100	14,229	100	4,643	100	133,665	100														
f. Explained course material to one or more students	CLexplain	1 2 3 4	Never Sometimes Often Very often	23 228 227 122	4 38 38 20	558 5,450 5,469 2,408	4 39 39 17	196 1,845 1,712 749	5 41 38 16	6,570 50,096 49,903 23,898	5 39 38 18														
Total				600	100	13,885	100	4,502	100	130,467	100														

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	100	17	2,157	16	699	17	19,575	16	<b>2.5</b>	2.5	.01	2.5	.02	2.5	-.02	
		2	Sometimes	219	36	5,270	38	1,683	37	46,571	36								
		3	Often	177	29	4,118	29	1,356	30	39,159	29								
		4	Very often	106	18	2,335	17	771	17	25,253	19								
		Total		602	100	13,880	100	4,509	100	130,558	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	43	7	1,016	8	375	10	11,155	10	<b>2.6</b>	2.6	.01	2.5	.07	2.6	.02	
		2	Sometimes	254	42	5,654	42	1,883	42	51,848	40								
		3	Often	208	35	4,866	34	1,556	34	44,387	33								
		4	Very often	94	16	2,289	16	682	14	22,727	17								
		Total		599	100	13,825	100	4,496	100	130,117	100								
i. Gave a course presentation	present	1	Never	115	19	3,144	23	1,186	28	27,931	23	<b>2.2</b>	2.2	.00	2.1 *	.10	2.2	-.03	
		2	Sometimes	313	52	6,277	45	2,035	44	58,131	44								
		3	Often	124	21	3,174	23	900	20	30,711	23								
		4	Very often	45	8	1,193	8	359	8	12,839	10								
		Total		597	100	13,788	100	4,480	100	129,612	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	35	6	834	6	277	7	8,148	7	<b>2.7</b>	2.7	.05	2.7	.05	2.7	.04	
		2	Sometimes	218	38	5,169	38	1,591	37	47,525	37								
		3	Often	202	34	5,062	37	1,638	37	47,114	37								
		4	Very often	130	22	2,442	18	874	19	24,677	19								
		Total		585	100	13,507	100	4,380	100	127,464	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	40	7	1,219	9	357	10	10,143	9	<b>2.6</b>	2.6 *	.09	2.6 *	.10	2.6	.04	
		2	Sometimes	214	38	5,324	40	1,708	40	48,049	38								
		3	Often	215	37	4,746	35	1,508	34	45,049	35								
		4	Very often	104	17	2,032	15	725	16	22,534	18								
		Total		573	100	13,321	100	4,298	100	125,775	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	63	12	1,554	12	450	11	11,770	10	<b>2.6</b>	2.5	.08	2.5	.05	2.6	-.01	
		2	Sometimes	223	39	5,561	42	1,682	40	49,082	39								
		3	Often	178	31	4,298	32	1,514	34	43,008	33								
		4	Very often	111	19	1,905	14	675	15	22,052	17								
		Total		575	100	13,318	100	4,321	100	125,912	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options																
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	27	5	701	5	207	5	5,640	5	<b>2.8</b>	2.7 **	.13	2.8 *	.10	2.8	.06	
		2	Sometimes	166	29	4,649	34	1,424	33	40,452	32								
		3	Often	252	44	5,621	42	1,866	43	53,715	42								
		4	Very often	129	22	2,333	18	811	19	25,884	21								
		Total		574	100	13,304	100	4,308	100	125,691	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	Rlperspect	1	Never	20	4	522	4	168	4	4,381	4	<b>3.0</b>	2.8 ***	.17	2.8 ***	.15	2.9 **	.11	
		2	Sometimes	146	26	4,311	32	1,309	30	37,394	30								
		3	Often	238	42	5,537	41	1,855	43	53,260	42								
		4	Very often	167	29	2,897	22	971	22	30,443	24								
		Total		571	100	13,267	100	4,303	100	125,478	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	13	3	429	3	126	4	3,343	3	<b>2.9</b>	2.8 **	.11	2.8 *	.11	2.9	.04	
		2	Sometimes	174	30	4,400	33	1,388	33	38,304	31								
		3	Often	236	42	5,618	42	1,851	42	53,101	42								
		4	Very often	146	25	2,785	21	941	21	30,224	24								
		Total		569	100	13,232	100	4,306	100	124,972	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	7	1	197	2	57	2	1,649	2	<b>3.1</b>	3.0 **	.12	3.0 **	.12	3.1	.06	
		2	Sometimes	113	20	2,970	23	918	22	24,999	21								
		3	Often	247	43	6,036	46	1,994	47	56,116	45								
		4	Very often	204	36	3,966	30	1,312	29	41,716	33								
		Total		571	100	13,169	100	4,281	100	124,480	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	98	18	2,610	20	882	22	26,162	22	<b>2.3</b>	2.2 **	.12	2.2 ***	.17	2.2 ***	.16	
		2	Sometimes	256	45	6,181	47	2,009	47	57,686	46								
		3	Often	130	23	2,984	22	945	21	27,508	21								
		4	Very often	86	15	1,438	11	451	10	13,501	11								
		Total		570	100	13,213	100	4,287	100	124,857	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	288	51	7,133	54	2,248	54	64,707	53	<b>1.8</b>	1.7	.05	1.7	.06	1.7	.04	
		2	Sometimes	169	30	3,733	28	1,244	29	37,102	29								
		3	Often	69	12	1,541	12	513	12	14,936	12								
		4	Very often	40	7	761	6	253	6	7,643	6								
		Total		566	100	13,168	100	4,258	100	124,388	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	171	30	4,394	33	1,421	34	40,014	34	<b>2.1</b>	2.0 *	.10	2.0 *	.11	2.0 *	.09	
		2	Sometimes	241	43	5,704	43	1,828	43	53,339	42								
		3	Often	98	17	2,204	17	721	17	21,738	17								
		4	Very often	55	10	855	7	286	7	9,143	7								
		Total		565	100	13,157	100	4,256	100	124,234	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	126	23	3,481	26	1,064	26	30,183	25	<b>2.2</b>	2.1 **	.15	2.1 **	.15	2.1 **	.12	
		2	Sometimes	255	45	6,186	47	2,032	47	58,360	46								
		3	Often	113	20	2,465	19	822	19	24,683	20								
		4	Very often	69	12	992	8	335	8	10,608	9								
		Total		563	100	13,124	100	4,253	100	123,834	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	11	2	431	3	140	4	5,300	4	<b>3.1</b>	3.0 **	.12	3.0 **	.14	2.9 ***	.16	
		2	Some	109	20	3,083	24	1,070	25	31,160	25								
		3	Quite a bit	262	47	5,906	45	1,878	44	53,739	43								
		4	Very much	178	31	3,724	28	1,183	27	34,106	27								
		Total		560	100	13,144	100	4,271	100	124,305	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	24	4	440	3	147	4	3,978	3	<b>3.0</b>	3.0	.00	3.0	-.01	3.0	-.04	
		2	Some	131	24	3,079	24	966	24	27,478	23								
		3	Quite a bit	235	42	5,971	45	1,898	45	55,585	45								
		4	Very much	166	29	3,580	28	1,237	28	36,633	29								
		Total		556	100	13,070	100	4,248	100	123,674	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	25	5	530	4	156	4	4,378	4	<b>2.9</b>	2.9	-.01	3.0	-.05	3.0	-.08	
		2	Some	144	26	3,303	25	1,029	25	28,294	23								
		3	Quite a bit	227	42	5,708	43	1,787	42	52,799	43								
		4	Very much	158	28	3,490	27	1,263	29	37,739	30								
		Total		554	100	13,031	100	4,235	100	123,210	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	26	5	606	5	190	5	4,955	4	<b>2.8</b>	2.9	-.06	2.9	-.06	2.9 **	-.14	
		2	Some	172	31	3,638	28	1,157	28	30,908	26								
		3	Quite a bit	234	42	5,708	43	1,844	43	53,704	43								
		4	Very much	123	22	3,090	24	1,044	24	33,716	27								
		Total		555	100	13,042	100	4,235	100	123,283	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	37	7	679	5	209	5	5,388	5	<b>2.8</b>	2.8	-.02	2.9	-.05	2.9 *	-.10	
		2	Some	159	29	3,670	29	1,136	27	31,682	26								
		3	Quite a bit	218	40	5,583	43	1,829	43	52,619	42								
		4	Very much	138	25	3,097	23	1,051	24	33,354	27								
		Total		552	100	13,029	100	4,225	100	123,043	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	9	2	254	2	62	2	2,172	2	<b>3.1</b>	3.1	.00	3.2	-.05	3.2	-.05	
		2	Some	101	18	2,308	17	667	16	19,754	16								
		3	Quite a bit	250	45	6,046	45	1,950	46	55,406	44								
		4	Very much	195	35	4,526	35	1,586	36	46,729	38								
		Total		555	100	13,134	100	4,265	100	124,061	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	10	2	336	3	82	2	2,952	3	<b>3.1</b>	3.1	-.01	3.1 *	-.09	3.1	-.07	
		2	Some	104	19	2,500	19	731	17	20,823	17								
		3	Quite a bit	275	49	6,185	46	1,971	46	56,283	45								
		4	Very much	165	30	4,081	32	1,471	35	43,654	35								
		Total		554	100	13,102	100	4,255	100	123,712	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	21	4	357	3	111	3	3,526	3	<b>3.0</b>	3.1	-.07	3.1 *	-.11	3.1 **	-.12	
		2	Some	121	22	2,625	20	785	19	22,805	19								
		3	Quite a bit	230	41	5,615	42	1,810	42	50,572	40								
		4	Very much	182	33	4,455	35	1,541	36	46,527	37								
		Total		554	100	13,052	100	4,247	100	123,430	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	56	10	984	8	330	8	9,140	8	<b>2.8</b>	2.8	-.06	2.8	-.04	2.9 *	-.10	
		2	Some	156	28	3,692	28	1,222	29	32,833	27								
		3	Quite a bit	195	35	4,796	36	1,539	36	44,191	35								
		4	Very much	147	26	3,588	27	1,154	27	37,245	30								
		Total		554	100	13,060	100	4,245	100	123,409	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	60	11	1,146	9	362	9	9,239	8	<b>2.7</b>	2.8	-.06	2.8	-.09	2.8 **	-.13	
		2	Some	169	31	4,030	30	1,227	29	35,117	29								
		3	Quite a bit	199	36	4,915	38	1,643	39	46,292	37								
		4	Very much	123	22	2,937	23	997	24	32,366	26								
		Total		551	100	13,028	100	4,229	100	123,014	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	90	16	1,768	13	575	13	18,067	14	<b>2.5</b>	2.6 *	-.09	2.6	-.08	2.6	-.07	
		2	Sometimes	204	37	4,747	35	1,518	35	44,202	35								
		3	Often	168	30	4,506	35	1,426	35	41,086	34								
		4	Very often	91	17	2,092	17	733	17	20,527	18								
		Total		553	100	13,113	100	4,252	100	123,882	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	126	22	2,888	21	949	23	28,238	22	<b>2.3</b>	2.3	.02	2.3	.04	2.3	.03	
		2	Sometimes	215	39	5,399	41	1,669	38	49,803	40								
		3	Often	137	24	3,417	27	1,141	27	31,598	26								
		4	Very often	77	14	1,376	11	488	12	13,948	12								
		Total		555	100	13,080	100	4,247	100	123,587	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	137	23	2,821	21	875	21	27,617	22	<b>2.2</b>	2.3	-.02	2.3	-.01	2.3	-.01	
		2	Sometimes	216	40	5,565	42	1,807	42	50,932	41								
		3	Often	137	25	3,436	27	1,134	27	32,056	26								
		4	Very often	62	12	1,210	10	405	10	12,541	11								
		Total		552	100	13,032	100	4,221	100	123,146	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	26	5	433	4	236	7	4,897	5	<b>6.9</b>	6.7	.04	5.9 **	.17	6.8	.02	
		1.5	1-2	110	23	2,268	19	816	21	20,967	19								
		4	3-5	143	28	4,057	34	1,310	34	35,055	31								
		8	6-10	110	22	3,007	24	924	23	28,511	24								
		13	11-15	57	11	1,220	10	331	9	12,700	10								
		18	16-20	29	6	608	5	145	4	5,954	5								
		23	More than 20	24	5	456	4	123	3	5,971	5								
		Total		499	100	12,049	100	3,885	100	114,055	100								
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	187	38	3,547	31	1,407	38	35,744	34	<b>1.9</b>	2.1	-.08	2.0	-.04	2.1	-.08	
		1.5	1-2	196	39	5,246	44	1,441	38	46,063	40								
		4	3-5	74	15	2,107	17	625	16	20,133	17								
		8	6-10	26	6	615	5	200	6	6,192	6								
		13	11-15	4	1	133	1	49	1	1,370	1								
		18	16-20	2	0	41	0	12	0	441	0								
		23	More than 20	1	0	43	0	16	0	426	0								
		Total		490	100	11,732	100	3,750	100	110,369	100								

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



# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>										
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013					
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>		
c. 11 pages or more	wrlongnum	0	None	355	73	8,997	79	3,008	83	81,959	77	<b>0.8</b>	0.7	.01	0.7	.04	0.8	-.02		
		1.5	1-2	100	22	1,749	15	438	12	18,923	17									
		<i>(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>		4	3-5	13	3	322	3	81	2								3,070	3
		8	6-10	4	1	139	1	55	2	1,322	1									
		13	11-15	1	0	83	1	28	1	879	1									
		18	16-20	2	0	45	0	9	0	427	0									
		23	More than 20	3	1	40	0	16	0	554	1									
		Total			478	100	11,375	100	3,635	100	107,134	100								
Estimated number of assigned pages of student writing.	wrpages											<b>44</b>	45	-.01	42	.05	47	-.04		
	<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	21	4	656	6	223	6	5,780	5	<b>3.1</b>	3.0 ***	.17	3.0 **	.14	3.1	.07		
		2	Sometimes	104	21	3,468	28	1,046	26	28,373	24									
		3	Often	163	32	3,736	31	1,182	30	34,137	30									
		4	Very often	221	43	4,407	36	1,489	38	47,731	41									
			Total	509	100	12,267	100	3,940	100	116,021	100									
b. People from an economic background other than your own	DDeconomic	1	Never	15	3	579	5	187	5	5,202	5	<b>3.2</b>	3.0 ***	.18	3.0 **	.15	3.1 *	.11		
		2	Sometimes	95	19	3,038	25	926	23	25,439	22									
		3	Often	177	35	4,321	35	1,368	35	39,110	34									
		4	Very often	221	43	4,290	35	1,451	37	45,963	39									
			Total	508	100	12,228	100	3,932	100	115,714	100									
c. People with religious beliefs other than your own	DDreligion	1	Never	24	5	782	7	240	7	8,000	7	<b>3.1</b>	3.0 **	.13	3.0	.08	3.0 *	.09		
		2	Sometimes	109	23	3,165	26	967	24	29,682	25									
		3	Often	163	32	3,850	32	1,209	31	33,799	30									
		4	Very often	210	41	4,419	36	1,512	38	43,975	38									
			Total	506	100	12,216	100	3,928	100	115,456	100									
d. People with political views other than your own	DDpolitical	1	Never	18	4	712	6	236	6	6,849	6	<b>3.1</b>	3.0 *	.10	3.0	.09	3.0 *	.09		
		2	Sometimes	116	23	2,867	24	924	23	28,369	24									
		3	Often	162	32	4,035	33	1,250	32	36,222	31									
		4	Very often	210	41	4,570	37	1,506	38	43,686	38									
			Total	506	100	12,184	100	3,916	100	115,126	100									

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	6	1	178	2	64	2	1,506	2	<b>3.1</b>	3.1	.04	3.1	.01	3.2	-.05	
		2	Sometimes	95	20	2,392	20	713	18	19,171	17								
		3	Often	222	44	5,415	44	1,731	45	49,993	43								
		4	Very often	180	35	4,193	34	1,409	35	44,650	38								
		Total		503	100	12,178	100	3,917	100	115,320	100								
b. Reviewed your notes after class	LSnotes	1	Never	24	5	569	5	161	5	5,389	5	<b>2.9</b>	2.9	-.01	2.9	-.02	2.9	-.02	
		2	Sometimes	149	30	3,533	29	1,127	29	33,307	29								
		3	Often	166	34	4,098	34	1,314	34	38,404	33								
		4	Very often	164	32	3,948	32	1,311	33	37,932	33								
		Total		503	100	12,148	100	3,913	100	115,032	100								
c. Summarized what you learned in class or from course materials	LSummary	1	Never	33	7	739	6	228	6	6,916	6	<b>2.8</b>	2.8	.00	2.8	-.03	2.9	-.04	
		2	Sometimes	151	31	3,741	31	1,183	31	34,029	30								
		3	Often	179	36	4,319	36	1,399	37	40,739	36								
		4	Very often	138	27	3,231	27	1,071	27	32,240	28								
		Total		501	100	12,030	100	3,881	100	113,924	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	3	1	51	1	13	0	459	1	<b>5.6</b>	5.5	.09	5.6	.03	5.6	.02	
		2		4	1	114	1	32	1	1,079	1								
		3		10	2	366	3	113	3	3,117	3								
		4		50	10	1,194	10	374	10	10,410	10								
		5		140	28	3,942	32	1,189	30	34,955	30								
		6		189	37	3,990	32	1,360	35	38,250	32								
		7	Very much	109	21	2,487	20	841	21	26,735	23								
		Total		505	100	12,144	100	3,922	100	115,005	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

			Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>										
			WMU		Great Lakes		Peer Institutions		NSSE 2013		WMU	Great Lakes	Peer Institutions	NSSE 2013							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
<b>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 <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided Do not plan to do Plan to do Done or in progress Total	61 21 390 31 503	13 4 77 6 100	1,346 497 9,485 812 12,140	11 5 77 7 100	425 173 3,021 290 3,909	11 5 77 7 100	13,020 5,457 87,061 9,379 114,917	12 5 74 8 100	<b>6%</b>	7%	-0.03	7%	-0.04	8%	-0.07			
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 Do not plan to do Plan to do Done or in progress Total	126 118 199 58 501	25 24 39 11 100	3,470 3,120 4,215 1,298 12,103	28 26 35 11 100	1,024 987 1,434 446 3,891	26 27 36 11 100	32,264 28,036 40,790 13,466 114,556	28 26 35 12 100		<b>11%</b>	11%	.01	11%	.01	12%	-0.01		
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 Do not plan to do Plan to do Done or in progress Total	163 135 136 65 499	32 27 27 14 100	3,526 3,510 2,732 2,320 12,088	29 29 23 18 100	1,160 1,282 940 508 3,890	30 33 25 13 100	37,085 32,289 27,938 17,032 114,344	32 29 25 15 100			<b>14%</b>	18% *	-0.12	13%	.02	15%	-0.04	
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided Do not plan to do Plan to do Done or in progress Total	154 133 203 10 500	31 27 39 2 100	3,564 3,606 4,531 385 12,086	29 32 36 3 100	1,113 1,250 1,424 105 3,892	28 33 36 3 100	31,911 31,618 47,143 3,658 114,330	28 30 39 3 100				<b>2%</b>	3%	-0.08	3%	-0.04	3%	-0.07
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 Do not plan to do Plan to do Done or in progress Total	207 111 156 21 495	42 22 32 4 100	4,659 3,124 3,699 542 12,024	38 25 32 5 100	1,457 1,009 1,217 190 3,873	37 26 32 5 100	43,973 27,147 36,746 5,945 113,811	38 24 33 5 100					<b>4%</b>	5%	-0.02	5%	-0.02	5%
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 Do not plan to do Plan to do Done or in progress Total	145 32 311 10 498	29 7 62 2 100	3,978 1,214 6,550 302 12,044	33 11 53 3 100	1,164 425 2,156 127 3,872	30 11 56 3 100	35,201 10,665 65,017 3,010 113,893	32 10 55 3 100	<b>2%</b>					3%	-0.05	3%	-0.09	3%

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	178	38	6,183	53	1,935	51	52,557	48	<b>1.7</b>	1.5 ***	.29	1.6 ***	.21	1.6 ***	.17	
		2	Some	277	54	5,076	42	1,646	42	52,212	44								
		3	Most	38	7	642	5	243	6	7,598	6								
		4	All	6	1	89	1	40	1	1,300	1								
			Total	499	100	11,990	100	3,864	100	113,667	100								
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	4	1	168	2	42	1	1,653	2	<b>5.5</b>	5.5	.01	5.6	-.03	5.6	-.04	
		2		11	2	263	2	78	2	2,164	2								
		3		25	5	561	5	165	4	4,827	5								
		4		53	10	1,183	10	375	10	10,309	10								
		5		115	23	2,883	24	860	22	24,767	22								
		6		164	33	3,688	30	1,173	30	33,977	29								
		7	Excellent	130	26	3,331	28	1,195	29	36,266	31								
		—	Not applicable	1	0	38	0	14	0	789	1								
			Total	503	100	12,115	100	3,902	100	114,752	100								
b. Academic advisors	QIadvisor	1	Poor	2	0	531	4	164	4	4,427	4	<b>5.4</b>	5.1 ***	.22	5.1 ***	.22	5.1 ***	.18	
		2		23	4	684	5	216	6	6,001	5								
		3		40	8	1,065	9	327	9	9,269	8								
		4		58	11	1,667	14	527	14	15,134	13								
		5		99	20	2,374	20	764	20	21,798	19								
		6		119	23	2,555	21	826	21	24,824	21								
		7	Excellent	153	31	2,879	25	996	25	30,561	26								
		—	Not applicable	9	2	324	2	63	2	2,453	2								
			Total	503	100	12,079	100	3,883	100	114,467	100								
c. Faculty	QIfaculty	1	Poor	6	1	218	2	76	2	2,054	2	<b>5.3</b>	5.2 *	.11	5.3	.05	5.3	.03	
		2		14	3	432	4	128	3	3,426	3								
		3		30	6	904	7	243	6	6,925	6								
		4		59	12	1,778	15	529	13	14,530	13								
		5		135	27	3,074	25	991	26	27,051	24								
		6		156	31	3,391	28	1,082	28	32,921	28								
		7	Excellent	99	20	2,160	19	796	21	26,023	23								
		—	Not applicable	0	0	79	1	29	1	985	1								
			Total	499	100	12,036	100	3,874	100	113,915	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	14	3	602	5	179	5	5,128	5	<b>5.1</b>	4.9 **	.14	5.0	.08	4.9 *	.09	
		2		25	5	617	5	192	5	5,394	5								
		3		31	6	922	8	294	7	8,301	7								
		4		54	11	1,658	14	529	13	15,064	13								
		5		116	23	2,600	21	788	20	23,030	20								
		6		111	22	2,474	20	792	20	24,772	21								
		7	Excellent	88	18	1,941	16	711	19	21,225	18								
		—	Not applicable	60	12	1,232	11	400	11	11,190	11								
	Total	499	100	12,046	100	3,885	100	114,104	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	14	3	655	6	212	6	5,442	5	<b>5.1</b>	4.7 ***	.21	4.8 ***	.19	4.9 ***	.14	
		2		23	4	803	6	276	7	6,690	6								
		3		31	6	1,040	9	315	8	9,441	9								
		4		68	14	1,830	15	608	16	16,466	15								
		5		120	24	2,509	21	791	20	23,306	20								
		6		109	22	2,379	19	791	20	24,433	21								
		7	Excellent	91	19	1,815	16	642	17	21,712	19								
		—	Not applicable	43	8	1,030	9	250	7	6,716	6								
	Total	499	100	12,061	100	3,885	100	114,206	100										
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic works	empstudy	1	Very little	5	1	174	2	49	2	1,559	2	<b>3.4</b>	3.2 ***	.26	3.2 ***	.28	3.2 ***	.23	
		2	Some	46	11	1,637	15	564	16	14,898	15								
		3	Quite a bit	172	38	5,187	46	1,644	46	47,766	44								
		4	Very much	243	51	4,290	37	1,344	36	43,468	39								
			Total	466	100	11,288	100	3,601	100	107,691	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	17	4	414	4	135	4	3,524	4	<b>3.2</b>	3.1 **	.14	3.1 **	.14	3.1 *	.09	
		2	Some	65	14	2,137	20	712	20	18,502	18								
		3	Quite a bit	186	41	4,593	41	1,391	39	42,545	40								
		4	Very much	196	41	4,074	35	1,338	36	42,528	38								
			Total	464	100	11,218	100	3,576	100	107,099	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	35	8	615	5	197	6	5,570	6	<b>3.1</b>	3.1	.00	3.1	.01	3.1	-.03	
		2	Some	74	17	1,921	18	632	18	16,980	17								
		3	Quite a bit	149	33	4,083	37	1,266	36	37,924	36								
		4	Very much	203	43	4,613	40	1,481	40	46,644	42								
			Total	461	100	11,232	100	3,576	100	107,118	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	43	10	1,385	12	389	11	12,379	12	<b>2.9</b>	2.7 ***	.22	2.7 ***	.17	2.7 ***	.16
		2	Some	112	25	3,588	32	1,104	31	31,339	29							
		3	Quite a bit	155	33	3,612	32	1,182	33	34,953	32							
		4	Very much	152	32	2,658	24	909	25	28,632	26							
		Total		462	100	11,243	100	3,584	100	107,303	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	25	6	602	6	160	5	5,907	6	<b>3.1</b>	3.0	.09	3.0	.04	3.0	.07
		2	Some	85	19	2,501	23	761	22	21,998	22							
		3	Quite a bit	173	38	4,349	38	1,366	39	40,163	37							
		4	Very much	180	38	3,781	33	1,291	35	39,105	35							
		Total		463	100	11,233	100	3,578	100	107,173	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	21	5	722	6	180	6	6,895	7	<b>3.1</b>	3.0 **	.13	3.1	.03	3.0 **	.12
		2	Some	85	19	2,432	22	653	19	21,786	21							
		3	Quite a bit	169	37	4,295	38	1,362	39	40,379	38							
		4	Very much	187	39	3,731	33	1,379	37	37,634	34							
		Total		462	100	11,180	100	3,574	100	106,694	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	88	20	2,313	21	611	18	20,714	21	<b>2.5</b>	2.4 **	.16	2.5	.07	2.4 **	.13
		2	Some	135	30	4,062	36	1,275	36	37,540	35							
		3	Quite a bit	138	29	3,122	28	1,079	30	30,592	28							
		4	Very much	102	21	1,672	15	596	17	17,767	16							
		Total		463	100	11,169	100	3,561	100	106,613	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	25	6	787	7	182	5	8,868	9	<b>3.0</b>	2.9 **	.13	3.0	.02	2.9 **	.12
		2	Some	103	23	2,802	25	799	23	23,520	23							
		3	Quite a bit	165	36	4,252	38	1,344	38	39,258	36							
		4	Very much	165	35	3,309	29	1,233	33	34,730	31							
		Total		458	100	11,150	100	3,558	100	106,376	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	70	16	1,587	14	451	13	14,354	15	<b>2.6</b>	2.5	.06	2.6	.01	2.6	.01
		2	Some	143	32	3,881	35	1,208	34	33,189	32							
		3	Quite a bit	137	30	3,590	32	1,153	32	35,350	33							
		4	Very much	109	23	2,079	18	734	20	23,308	21							
		Total		459	100	11,137	100	3,546	100	106,201	100							

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																			
<b>a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)</b>																			
	tmprephrs	0	0 hrs	1	0	36	0	23	1	388	0	<b>15.4</b>	14.2 **	.13	13.8 ***	.20	14.2 **	.13	
		3	1-5 hrs	49	11	1,522	14	440	13	13,898	14								
		8	6-10 hrs	100	22	2,736	24	933	26	24,844	24								
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	97	20	2,391	21	823	23	22,977	21								
		18	16-20 hrs	91	20	2,053	18	658	18	19,592	18								
		23	21-25 hrs	65	14	1,224	11	384	10	12,379	11								
		28	26-30 hrs	41	8	652	6	179	5	6,723	6								
		33	More than 30 hrs	22	5	606	5	153	4	6,295	6								
			Total	466	100	11,220	100	3,593	100	107,096	100								
<b>b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)</b>																			
	tmcocurrhrs	0	0 hrs	170	37	3,783	35	1,200	36	34,586	35	<b>5.0</b>	5.0	.00	4.8	.02	5.2	-.03	
		3	1-5 hrs	147	31	3,939	34	1,232	33	36,712	33								
		8	6-10 hrs	78	17	1,730	15	584	16	16,704	15								
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	32	7	837	8	277	7	8,804	8								
		18	16-20 hrs	20	4	457	4	143	4	5,064	5								
		23	21-25 hrs	11	2	218	2	62	2	2,429	2								
		28	26-30 hrs	5	1	86	1	31	1	1,002	1								
		33	More than 30 hrs	2	0	90	1	32	1	1,103	1								
			Total	465	100	11,140	100	3,561	100	106,404	100								
<b>c. Working for pay on campus</b>																			
	tmworkonhrs	0	0 hrs	352	76	9,010	80	2,861	81	81,807	79	<b>2.8</b>	2.5	.05	2.5	.06	2.4	.08	
		3	1-5 hrs	17	4	327	3	111	3	5,314	4								
		8	6-10 hrs	40	8	666	6	195	5	9,173	7								
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	31	7	580	5	201	5	5,310	5								
		18	16-20 hrs	12	3	360	3	124	4	3,506	3								
		23	21-25 hrs	3	1	126	1	39	1	884	1								
		28	26-30 hrs	4	1	47	0	23	1	315	0								
		33	More than 30 hrs	4	1	59	1	24	1	533	1								
			Total	463	100	11,175	100	3,578	100	106,842	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Working for pay off campus	tmworkoffhrs  (Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	334	73	7,668	68	2,363	66	74,965	68	<b>4.0</b>	5.3 **	-.13	5.8 ***	-.18	5.7 ***	-.16	
		3	1-5 hrs	27	6	519	5	196	5	5,160	5								
		8	6-10 hrs	23	5	587	5	209	6	5,097	5								
		13	11-15 hrs	24	5	626	5	186	5	4,749	5								
		18	16-20 hrs	16	3	678	6	236	7	4,944	5								
		23	21-25 hrs	15	3	424	4	131	4	3,387	4								
		28	26-30 hrs	7	2	250	2	70	2	2,041	2								
		33	More than 30 hrs	14	3	377	4	165	6	5,977	7								
			Total			460	100	11,129	100	3,556	100								106,320
e. Doing community service or volunteer work	tmservicehrs  (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	250	55	6,378	59	1,998	57	57,581	56	<b>2.1</b>	2.2	-.03	2.4	-.06	2.4	-.07	
		3	1-5 hrs	168	35	3,624	31	1,147	31	36,858	33								
		8	6-10 hrs	29	6	533	5	194	6	6,132	6								
		13	11-15 hrs	8	2	245	2	100	3	2,475	2								
		18	16-20 hrs	3	1	139	1	61	2	1,378	1								
		23	21-25 hrs	1	0	68	1	19	1	618	1								
		28	26-30 hrs	1	0	29	0	5	0	246	0								
		33	More than 30 hrs	1	0	28	0	9	0	380	0								
			Total			461	100	11,044	100	3,533	100								105,668
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs  (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	10	2	125	1	51	2	1,820	2	<b>13.7</b>	13.1	.07	12.8 *	.11	12.4 **	.15	
		3	1-5 hrs	84	18	2,033	18	695	19	22,567	21								
		8	6-10 hrs	103	22	2,991	26	947	26	28,695	27								
		13	11-15 hrs	99	22	2,320	21	759	21	21,215	20								
		18	16-20 hrs	75	16	1,646	15	498	14	14,276	13								
		23	21-25 hrs	32	7	866	8	273	8	7,679	7								
		28	26-30 hrs	21	5	394	4	135	4	3,641	3								
		33	More than 30 hrs	38	8	715	7	193	6	6,108	6								
			Total			462	100	11,090	100	3,551	100								106,001

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



# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013			
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs  <i>(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	368	81	8,650	76	2,708	75	79,367	73	<b>2.0</b>	2.7 *	-.10	3.3 ***	-.17	3.6 ***	-.19
		3	1-5 hrs	45	9	1,159	11	347	10	11,075	11							
		8	6-10 hrs	20	4	425	4	122	4	4,346	5							
		13	11-15 hrs	4	1	261	3	106	3	2,592	3							
		18	16-20 hrs	8	2	171	2	61	2	1,746	2							
		23	21-25 hrs	3	1	83	1	30	1	998	1							
		28	26-30 hrs	1	0	47	0	27	1	663	1							
		33	More than 30 hrs	10	2	289	3	141	4	5,002	5							
			Total	459	100	11,085	100	3,542	100	105,789	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs  <i>(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	139	30	4,107	34	1,048	29	47,999	40	<b>3.9</b>	4.0	-.02	4.3	-.08	3.7	.04
		3	1-5 hrs	229	50	4,729	43	1,706	47	39,552	39							
		8	6-10 hrs	58	13	1,417	13	466	14	11,033	12							
		13	11-15 hrs	21	5	450	4	176	5	3,780	4							
		18	16-20 hrs	7	1	217	2	84	2	1,737	2							
		23	21-25 hrs	5	1	89	1	33	1	828	1							
		28	26-30 hrs	2	1	38	0	13	0	400	0							
		33	More than 30 hrs	2	0	92	1	37	1	956	1							
			Total	463	100	11,139	100	3,563	100	106,285	100							
Estimated number of hours working for pay	tmworkhrs <i>(Continuous variable created by NSSE)</i>										<b>6.8</b>	7.7	-.08	8.1 *	-.11	7.9 *	-.10	
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how many hours are on assigned reading?</b>																		
	tmreadhrs  <i>(Recoded version of tmread created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	13	3	472	4	149	5	3,144	3	<b>6.9</b>	6.0 **	.18	6.1 **	.16	6.4	.09
		3	1-5 hrs	237	52	6,373	57	1,907	55	56,006	54							
		8	6-10 hrs	124	26	2,759	24	997	26	29,220	26							
		13	11-15 hrs	42	9	960	8	327	9	10,850	10							
		18	16-20 hrs	28	6	387	4	140	4	4,682	4							
		23	21-25 hrs	11	2	143	1	38	1	1,654	1							
		28	26-30 hrs	2	0	43	0	8	0	626	1							
		33	More than 30 hrs	4	1	45	0	16	0	589	1							
			Total	461	100	11,182	100	3,582	100	106,771	100							

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	42	9	861	8	323	9	7,681	8	<b>2.8</b>	2.8	-.08	2.8	-.07	2.9 **	-.15	
		2	Some	130	29	2,979	27	945	27	25,892	24								
		3	Quite a bit	184	40	4,601	41	1,394	39	42,622	39								
		4	Very much	105	22	2,736	25	913	25	30,548	28								
		Total		461	100	11,177	100	3,575	100	106,743	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	59	13	1,394	12	370	10	11,587	11	<b>2.6</b>	2.6	.01	2.7	-.06	2.7	-.07	
		2	Some	149	33	3,552	32	1,081	31	31,707	30								
		3	Quite a bit	148	32	4,099	37	1,373	38	39,159	36								
		4	Very much	103	22	2,092	19	747	21	23,963	23								
		Total		459	100	11,137	100	3,571	100	106,416	100								
c. Thinking critically and analytically	pgthink	1	Very little	15	3	382	4	112	4	3,316	3	<b>3.1</b>	3.1	.01	3.1	-.04	3.1	-.05	
		2	Some	91	20	2,154	20	629	18	18,745	18								
		3	Quite a bit	198	43	5,019	44	1,561	44	44,993	42								
		4	Very much	156	33	3,598	33	1,265	35	39,322	36								
		Total		460	100	11,153	100	3,567	100	106,376	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	74	16	1,545	13	419	11	15,779	14	<b>2.5</b>	2.6 *	-.10	2.7 ***	-.19	2.6 *	-.09	
		2	Some	159	34	3,505	31	1,051	29	33,196	31								
		3	Quite a bit	132	29	3,910	35	1,278	37	35,088	34								
		4	Very much	91	21	2,189	21	820	23	22,306	22								
		Total		456	100	11,149	100	3,568	100	106,369	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	52	12	1,509	14	424	12	13,319	14	<b>2.7</b>	2.6 **	.14	2.7	.03	2.7 *	.10	
		2	Some	133	29	3,549	32	965	27	32,007	30								
		3	Quite a bit	150	33	3,798	34	1,327	37	36,387	34								
		4	Very much	124	27	2,304	21	856	24	24,715	23								
		Total		459	100	11,160	100	3,572	100	106,428	100								
f. Working effectively with others	pgothers	1	Very little	39	9	761	7	255	8	7,086	7	<b>2.9</b>	2.8	.05	2.8	.04	2.8	.02	
		2	Some	109	24	3,105	28	942	28	28,072	27								
		3	Quite a bit	176	38	4,443	40	1,400	38	41,851	39								
		4	Very much	132	28	2,824	25	952	26	29,163	27								
		Total		456	100	11,133	100	3,549	100	106,172	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	69	15	1,600	15	430	13	11,957	13	<b>2.7</b>	2.6	.08	2.7	.00	2.7	-.05	
		2	Some	119	27	3,470	31	1,020	30	28,910	28								
		3	Quite a bit	155	34	3,796	34	1,272	35	36,862	34								
		4	Very much	114	24	2,265	20	839	23	28,527	25								
		Total		457	100	11,131	100	3,561	100	106,256	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	46	11	1,353	12	361	11	11,454	11	<b>2.8</b>	2.7 ***	.17	2.8	.09	2.7 *	.09	
		2	Some	106	24	3,484	31	986	28	30,533	29								
		3	Quite a bit	172	37	3,763	34	1,273	35	36,457	34								
		4	Very much	133	28	2,544	23	947	26	27,920	26								
		Total		457	100	11,144	100	3,567	100	106,364	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	60	13	1,482	14	395	12	12,615	13	<b>2.7</b>	2.6 **	.13	2.7	.07	2.6	.08	
		2	Some	118	26	3,685	33	1,116	31	34,272	32								
		3	Quite a bit	165	36	3,876	34	1,306	36	36,618	34								
		4	Very much	113	24	2,088	19	743	21	22,732	21								
		Total		456	100	11,131	100	3,560	100	106,237	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	54	12	1,430	13	397	12	12,172	12	<b>2.7</b>	2.6 **	.14	2.6	.09	2.7	.07	
		2	Some	125	28	3,670	33	1,126	32	32,621	31								
		3	Quite a bit	154	34	3,876	35	1,276	35	37,065	35								
		4	Very much	118	26	2,113	19	748	21	23,980	22								
		Total		451	100	11,089	100	3,547	100	105,838	100								
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	5	1	187	2	50	2	1,629	2	<b>3.3</b>	3.2 ***	.19	3.3	.09	3.3 *	.11	
		2	Fair	41	9	1,259	12	337	10	10,585	11								
		3	Good	209	46	5,797	52	1,682	48	49,427	48								
		4	Excellent	205	44	3,941	35	1,504	40	45,092	40								
		Total		460	100	11,184	100	3,573	100	106,733	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	13	3	399	4	109	3	3,749	4	<b>3.4</b>	3.2 ***	.17	3.3	.04	3.3 **	.13	
		2	Probably no	35	8	1,282	12	326	9	11,802	11								
		3	Probably yes	182	40	4,674	42	1,283	38	41,059	39								
		4	Definitely yes	229	50	4,838	43	1,859	50	50,237	45								
		Total		459	100	11,193	100	3,577	100	106,847	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	3	332	2	210	3	4,205	2	<b>3.1</b>	3.1	-.06	3.0	.07	3.2 **	-.10	
		2	Sometimes	213	24	4,163	24	2,123	27	42,271	22								
		3	Often	298	33	5,650	32	2,677	33	61,094	31								
		4	Very often	378	40	7,645	42	3,007	37	89,882	45								
		Total		914	100	17,790	100	8,017	100	197,452	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	178	20	3,882	23	1,764	23	38,014	19	<b>2.4</b>	2.4	-.02	2.3	.01	2.5 ***	-.12	
		2	Sometimes	366	40	6,350	35	2,944	36	67,828	34								
		3	Often	216	24	4,261	24	2,024	25	50,303	26								
		4	Very often	151	16	3,186	18	1,255	16	40,419	21								
		Total		911	100	17,679	100	7,987	100	196,564	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	52	6	1,051	6	512	7	10,607	6	<b>3.0</b>	3.0	-.01	2.9	.03	3.0 *	-.07	
		2	Often	123	14	2,435	14	1,151	15	24,840	13								
		3	Sometimes	534	59	9,823	55	4,520	56	107,526	55								
		4	Never	201	22	4,344	24	1,790	23	53,130	27								
		Total		910	100	17,653	100	7,973	100	196,103	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendant	1	Never	332	37	8,106	46	3,363	43	80,779	43	<b>2.0</b>	1.8 ***	.21	1.9 ***	.14	1.9 ***	.13	
		2	Sometimes	341	37	6,361	36	2,970	36	72,580	37								
		3	Often	138	15	1,892	11	1,010	13	25,849	13								
		4	Very often	95	10	1,265	7	609	8	16,733	8								
		Total		906	100	17,624	100	7,952	100	195,941	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	84	9	2,164	13	920	13	29,363	15	<b>2.5</b>	2.4 **	.11	2.4 *	.08	2.4 ***	.17	
		2	Sometimes	406	45	8,119	46	3,482	44	89,468	46								
		3	Often	273	30	4,992	28	2,412	29	51,155	25								
		4	Very often	142	15	2,338	13	1,123	14	25,742	13								
		Total		905	100	17,613	100	7,937	100	195,728	100								
f. Explained course material to one or more students	CLexplain	1	Never	13	1	734	4	301	4	12,219	6	<b>2.8</b>	2.8 **	.09	2.8 **	.10	2.7 ***	.16	
		2	Sometimes	303	35	6,194	36	2,768	36	70,884	38								
		3	Often	367	42	6,653	38	3,086	39	69,630	36								
		4	Very often	197	22	3,700	22	1,601	21	39,526	20								
		Total		880	100	17,281	100	7,756	100	192,259	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	147	17	3,207	19	1,278	17	37,932	20	<b>2.5</b>	2.4	.04	2.5	-.02	2.4	.05	
		2	Sometimes	327	37	6,426	37	2,784	36	68,353	36								
		3	Often	252	29	4,597	26	2,237	28	50,250	26								
		4	Very often	158	18	3,094	18	1,469	19	35,930	18								
		Total		884	100	17,324	100	7,768	100	192,465	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	46	5	990	6	389	5	14,868	7	<b>2.9</b>	2.9	-.03	2.9	-.02	2.9	.00	
		2	Sometimes	279	31	4,936	29	2,285	30	56,925	30								
		3	Often	320	36	6,315	36	2,828	36	64,580	33								
		4	Very often	242	27	5,044	29	2,249	28	55,657	30								
		Total		887	100	17,285	100	7,751	100	192,030	100								
i. Gave a course presentation	present	1	Never	80	9	1,856	11	910	12	25,938	14	<b>2.7</b>	2.7	.05	2.6 *	.09	2.6 *	.07	
		2	Sometimes	301	34	5,726	34	2,628	34	60,396	32								
		3	Often	289	33	5,614	32	2,499	32	59,080	30								
		4	Very often	212	24	4,068	23	1,681	21	46,126	24								
		Total		882	100	17,264	100	7,718	100	191,540	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	28	3	433	3	180	2	5,746	3	<b>3.0</b>	3.0	-.01	3.0	.00	3.0	.02	
		2	Sometimes	201	23	4,187	25	1,887	25	47,510	25								
		3	Often	352	41	6,731	39	3,012	40	74,039	39								
		4	Very often	291	33	5,665	33	2,525	33	62,018	33								
		Total		872	100	17,016	100	7,604	100	189,313	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	46	6	1,088	7	498	7	10,399	6	<b>2.8</b>	2.8	.01	2.8	.04	2.9	-.06	
		2	Sometimes	277	33	5,321	31	2,418	32	54,961	30								
		3	Often	301	35	6,033	36	2,672	35	68,101	36								
		4	Very often	235	26	4,383	26	1,925	25	53,693	28								
		Total		859	100	16,825	100	7,513	100	187,154	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	105	13	1,983	12	999	14	17,819	11	<b>2.6</b>	2.6	-.01	2.6	.04	2.7 **	-.10	
		2	Sometimes	292	34	6,057	36	2,719	35	62,748	34								
		3	Often	279	31	5,120	30	2,251	30	60,778	32								
		4	Very often	190	21	3,693	22	1,546	20	46,127	24								
		Total		866	100	16,853	100	7,515	100	187,472	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	45	6	844	5	401	6	7,758	4	<b>2.8</b>	2.8	.01	2.8	.05	2.9	-.05	
		2	Sometimes	249	29	5,332	31	2,421	32	53,981	29								
		3	Often	360	41	6,718	40	3,020	40	76,942	41								
		4	Very often	210	24	3,930	24	1,668	22	48,483	26								
		Total		864	100	16,824	100	7,510	100	187,164	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	Rlperspect	1	Never	26	3	641	4	310	4	5,878	3	<b>2.9</b>	2.9	.03	2.9 *	.07	3.0	-.03	
		2	Sometimes	236	28	4,777	28	2,253	30	49,264	26								
		3	Often	360	41	6,901	41	3,028	40	78,100	41								
		4	Very often	238	28	4,470	27	1,896	25	53,640	29								
		Total		860	100	16,789	100	7,487	100	186,882	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	15	2	399	3	174	3	3,603	2	<b>2.9</b>	2.9	.04	2.9	.05	3.0	-.03	
		2	Sometimes	240	28	5,124	31	2,246	31	51,352	28								
		3	Often	388	45	6,865	41	3,170	42	77,978	41								
		4	Very often	214	25	4,347	26	1,866	25	53,410	28								
		Total		857	100	16,735	100	7,456	100	186,343	100								
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	7	1	181	1	74	1	1,648	1	<b>3.2</b>	3.2	.02	3.2	.05	3.3	-.03	
		2	Sometimes	123	15	2,589	16	1,208	17	26,361	15								
		3	Often	361	43	7,080	42	3,181	42	77,407	41								
		4	Very often	356	41	6,833	41	2,958	40	80,197	43								
		Total		847	100	16,683	100	7,421	100	185,613	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	155	19	2,793	18	1,278	19	33,595	19	<b>2.4</b>	2.4	-.03	2.4	-.01	2.4	.00	
		2	Sometimes	332	40	6,631	40	2,900	39	72,339	39								
		3	Often	218	26	4,248	25	1,933	25	46,004	24								
		4	Very often	146	16	3,058	18	1,318	17	34,182	17								
		Total		851	100	16,730	100	7,429	100	186,120	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	407	48	7,468	45	3,112	44	84,671	47	<b>1.9</b>	1.9	-.07	1.9 *	-.09	1.9	-.03	
		2	Sometimes	232	28	4,746	28	2,211	29	51,624	27								
		3	Often	115	14	2,503	15	1,186	15	27,547	14								
		4	Very often	90	10	1,952	12	894	12	21,570	11								
		Total		844	100	16,669	100	7,403	100	185,412	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	214	25	4,170	25	1,802	25	50,642	29	<b>2.2</b>	2.2	-.03	2.2	-.04	2.2	.01	
		2	Sometimes	376	44	6,907	42	3,106	42	73,089	39								
		3	Often	162	20	3,519	21	1,624	22	38,335	20								
		4	Very often	93	11	2,060	12	862	11	23,310	12								
		Total		845	100	16,656	100	7,394	100	185,376	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	178	21	3,975	25	1,625	23	42,863	24	<b>2.2</b>	2.2	.02	2.2	-.01	2.2	.00	
		2	Sometimes	402	47	7,261	44	3,320	45	81,412	44								
		3	Often	175	21	3,505	21	1,603	22	38,763	21								
		4	Very often	89	10	1,877	11	830	11	21,890	12								
		Total		844	100	16,618	100	7,378	100	184,928	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	69	8	1,388	8	541	7	17,749	10	<b>2.8</b>	2.8	.05	2.8	.00	2.7 **	.10	
		2	Some	249	30	5,147	31	2,279	30	59,251	32								
		3	Quite a bit	309	37	6,367	38	2,794	38	67,951	37								
		4	Very much	219	25	3,749	23	1,787	24	40,480	22								
		Total		846	100	16,651	100	7,401	100	185,431	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	32	4	437	3	179	3	4,472	3	<b>3.1</b>	3.1	-.03	3.2 *	-.07	3.2	-.07	
		2	Some	146	18	2,984	18	1,253	17	31,295	17								
		3	Quite a bit	356	42	7,055	42	3,129	42	78,312	42								
		4	Very much	309	36	6,113	37	2,817	38	70,493	38								
		Total		843	100	16,589	100	7,378	100	184,572	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	34	4	614	4	242	4	5,791	3	<b>3.0</b>	3.1	-.05	3.1 *	-.09	3.1 **	-.11	
		2	Some	183	22	3,394	20	1,436	19	34,481	19								
		3	Quite a bit	332	39	6,751	41	3,018	41	74,380	40								
		4	Very much	287	34	5,777	35	2,647	37	69,502	38								
		Total		836	100	16,536	100	7,343	100	184,154	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	46	6	998	6	468	7	8,638	5	<b>2.9</b>	2.9	.03	2.9	.02	3.0 *	-.08	
		2	Some	208	26	4,255	26	1,875	25	41,414	23								
		3	Quite a bit	334	39	6,699	40	2,949	40	74,779	40								
		4	Very much	247	29	4,599	28	2,060	28	59,463	32								
		Total		835	100	16,551	100	7,352	100	184,294	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	41	5	835	5	368	5	7,571	4	<b>2.9</b>	2.9	-.02	2.9	-.04	3.0 ***	-.11	
		2	Some	219	27	4,188	26	1,874	25	41,683	23								
		3	Quite a bit	339	40	6,804	41	2,987	40	75,661	41								
		4	Very much	236	28	4,692	28	2,110	29	58,937	32								
		Total		835	100	16,519	100	7,339	100	183,852	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	17	2	340	2	128	2	3,434	2	<b>3.1</b>	3.2	-.05	3.1	-.03	3.2 ***	-.12	
		2	Some	158	19	2,817	17	1,250	17	27,489	15								
		3	Quite a bit	363	43	7,364	44	3,320	44	78,305	42								
		4	Very much	308	36	6,152	37	2,698	36	76,274	41								
		Total		846	100	16,673	100	7,396	100	185,502	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	20	2	444	3	189	3	4,333	3	<b>3.1</b>	3.1	-.03	3.1	-.01	3.2 ***	-.12	
		2	Some	164	20	2,992	18	1,310	18	28,665	16								
		3	Quite a bit	387	45	7,662	46	3,440	46	81,452	44								
		4	Very much	272	32	5,529	34	2,444	33	70,487	38								
		Total		843	100	16,627	100	7,383	100	184,937	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	34	4	515	3	204	3	5,696	3	<b>3.1</b>	3.1 *	-.09	3.1 *	-.08	3.2 ***	-.12	
		2	Some	180	21	2,908	17	1,306	18	31,095	17								
		3	Quite a bit	321	38	6,885	41	3,065	41	72,311	39								
		4	Very much	310	36	6,267	38	2,787	38	75,497	41								
		Total		845	100	16,575	100	7,362	100	184,599	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	94	11	1,830	11	746	10	18,824	11	<b>2.7</b>	2.7	-.02	2.8	-.05	2.8 *	-.09	
		2	Some	268	32	4,819	29	2,169	29	49,971	27								
		3	Quite a bit	255	30	5,538	33	2,543	34	60,344	32								
		4	Very much	227	26	4,395	26	1,898	26	55,421	30								
		Total		844	100	16,582	100	7,356	100	184,560	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	65	8	1,166	7	591	9	11,567	7	<b>2.9</b>	2.9	.00	2.8	.06	2.9	-.06	
		2	Some	231	27	4,471	27	2,062	28	45,834	25								
		3	Quite a bit	308	37	6,469	38	2,806	38	70,668	38								
		4	Very much	236	28	4,442	27	1,869	26	55,948	30								
		Total		840	100	16,548	100	7,328	100	184,017	100								

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



# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	138	16	2,349	13	904	12	25,662	13	<b>2.6</b>	2.6	-.03	2.7 *	-.09	2.6	-.04	
		2	Sometimes	275	32	5,668	33	2,393	32	62,102	33								
		3	Often	255	30	5,324	32	2,452	34	58,891	32								
		4	Very often	175	22	3,302	21	1,636	23	38,605	22								
		Total		843	100	16,643	100	7,385	100	185,260	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	187	22	3,423	20	1,394	19	36,024	19	<b>2.4</b>	2.4	-.01	2.4	-.06	2.4	-.04	
		2	Sometimes	306	36	6,232	37	2,690	36	69,163	37								
		3	Often	212	25	4,395	27	2,042	28	49,718	27								
		4	Very often	139	17	2,569	16	1,252	17	29,993	17								
		Total		844	100	16,619	100	7,378	100	184,898	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	166	19	3,170	18	1,300	18	34,175	18	<b>2.4</b>	2.4	-.01	2.4	-.04	2.4	-.02	
		2	Sometimes	312	37	6,447	38	2,804	37	71,215	38								
		3	Often	249	30	4,610	28	2,126	29	51,376	28								
		4	Very often	114	14	2,335	15	1,116	16	27,570	15								
		Total		841	100	16,562	100	7,346	100	184,336	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	22	3	843	6	396	6	8,405	6	<b>8.8</b>	7.6 ***	.18	7.0 ***	.28	7.9 ***	.13	
		1.5	1-2	130	17	2,947	19	1,447	22	30,739	19								
		4	3-5	189	25	4,354	29	1,921	29	46,391	27								
		8	6-10	174	23	3,234	21	1,388	21	37,180	21								
		13	11-15	98	12	1,669	11	685	10	18,890	11								
		18	16-20	68	9	975	6	406	6	11,570	7								
		23	More than 20	89	11	1,262	8	455	7	16,396	10								
		Total		770	100	15,284	100	6,698	100	169,571	100								
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	153	21	3,252	22	1,623	25	32,432	21	<b>3.1</b>	3.2	-.01	3.1	.02	3.7 ***	-.12	
		1.5	1-2	306	40	5,699	38	2,443	37	59,266	35								
		4	3-5	184	24	3,879	26	1,539	23	44,926	26								
		8	6-10	71	9	1,483	10	606	10	19,834	12								
		13	11-15	27	4	442	3	194	3	6,097	4								
		18	16-20	6	1	156	1	67	1	2,547	2								
		23	More than 20	7	1	127	1	61	1	2,275	2								
		Total		754	100	15,038	100	6,533	100	167,377	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum  <i>(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	299	40	6,498	44	3,019	46	68,473	43	<b>1.9</b>	1.8	.05	1.9	.02	2.0	-.03	
		1.5	1-2	313	42	5,759	39	2,358	37	62,902	37								
		4	3-5	78	10	1,637	11	636	10	20,332	12								
		8	6-10	33	5	476	3	210	3	6,199	4								
		13	11-15	12	2	181	1	103	2	2,675	2								
		18	16-20	6	1	93	1	49	1	1,381	1								
		23	More than 20	5	1	121	1	73	1	1,857	1								
Total				746	100	14,765	100	6,448	100	163,819	100								
Estimated number of assigned pages of student writing.	wrpages  <i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing)</i>											<b>77</b>	73	.06	71 *	.08	80	-.03	
<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	33	4	916	6	366	5	8,894	5	<b>3.0</b>	3.0	.04	3.1	-.07	3.1 *	-.09	
		2	Sometimes	213	26	4,464	27	1,684	23	41,908	23								
		3	Often	244	31	4,506	29	1,964	29	49,566	28								
		4	Very often	307	38	5,913	38	2,878	43	75,679	44								
		Total		797	100	15,799	100	6,892	100	176,047	100								
b. People from an economic background other than your own	DDeconomic	1	Never	22	3	643	4	278	4	7,212	4	<b>3.1</b>	3.1 **	.10	3.1	.02	3.1	.02	
		2	Sometimes	173	22	3,854	24	1,488	21	38,095	21								
		3	Often	276	34	5,413	34	2,380	34	58,134	33								
		4	Very often	327	41	5,853	38	2,735	41	72,208	42								
		Total		798	100	15,763	100	6,881	100	175,649	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	30	4	884	6	365	5	11,230	6	<b>3.1</b>	3.0 *	.08	3.1	.02	3.0	.05	
		2	Sometimes	193	25	4,009	25	1,642	23	45,088	24								
		3	Often	247	31	4,924	31	2,058	30	50,897	29								
		4	Very often	326	41	5,897	38	2,797	41	67,958	40								
		Total		796	100	15,714	100	6,862	100	175,173	100								
d. People with political views other than your own	DDpolitical	1	Never	27	3	758	5	331	5	8,644	5	<b>3.1</b>	3.1	.05	3.1	.03	3.1	.03	
		2	Sometimes	176	23	3,582	23	1,583	23	41,312	23								
		3	Often	265	33	5,203	33	2,138	31	55,006	31								
		4	Very often	323	41	6,122	39	2,782	41	69,668	41								
		Total		791	100	15,665	100	6,834	100	174,630	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	18	2	376	3	166	3	2,941	2	<b>3.2</b>	3.2	.02	3.2	.04	3.3 **	-.10	
		2	Sometimes	121	15	2,675	17	1,167	17	24,705	14								
		3	Often	330	42	6,234	39	2,823	41	66,638	38								
		4	Very often	325	40	6,443	41	2,705	40	81,078	46								
		Total		794	100	15,728	100	6,861	100	175,362	100								
b. Reviewed your notes after class	LSnotes	1	Never	53	7	1,119	7	487	7	12,205	7	<b>2.9</b>	2.9	-.01	2.8	.01	2.9	-.06	
		2	Sometimes	246	31	4,766	31	2,112	31	50,334	28								
		3	Often	245	31	4,807	31	2,191	32	53,839	31								
		4	Very often	248	30	4,996	31	2,058	30	58,481	34								
		Total		792	100	15,688	100	6,848	100	174,859	100								
c. Summarized what you learned in class or from course materials	LSummary	1	Never	55	7	1,158	8	524	8	11,156	7	<b>2.8</b>	2.8	-.02	2.8	.02	2.9 **	-.10	
		2	Sometimes	238	30	4,558	29	2,098	30	47,636	27								
		3	Often	274	36	5,394	35	2,322	34	59,561	34								
		4	Very often	218	27	4,455	29	1,830	27	55,001	32								
		Total		785	100	15,565	100	6,774	100	173,354	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	99	1	44	1	909	1	<b>5.7</b>	5.6 *	.09	5.5 **	.10	5.7	-.03	
		2		11	1	239	2	110	2	2,047	1								
		3		14	2	491	3	223	3	4,633	3								
		4		54	7	1,380	9	624	9	13,358	8								
		5		224	28	4,577	29	2,016	29	45,947	26								
		6		284	35	5,217	33	2,236	32	57,554	32								
		7	Very much	201	25	3,667	23	1,571	23	50,391	29								
		Total		796	100	15,670	100	6,824	100	174,839	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

			Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>																												
			WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013																									
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>																					
<b>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 <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided Do not plan to do Plan to do Done or in progress Total	45 123 209 417 794	6 17 26 51 100	920 2,611 3,612 8,543 15,686	6 18 23 53 100	437 1,070 1,838 3,494 6,839	7 17 27 50 100	13,485 33,473 40,651 87,301 174,910	8 20 24 48 100	<b>51%</b>	53%	-.05	50%	.03	48%	.07																					
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 Do not plan to do Plan to do Done or in progress Total	65 401 40 288 794	8 51 5 36 100	1,309 7,593 949 5,808 15,659	9 48 6 37 100	656 2,971 602 2,587 6,816	10 45 9 36 100	17,759 81,476 12,318 62,932 174,485	11 48 7 34 100								<b>36%</b>	37%	-.02	36%	-.01	34%	.04														
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 Do not plan to do Plan to do Done or in progress Total	91 453 55 195 794	12 58 7 23 100	1,501 8,791 1,020 4,294 15,606	10 57 7 27 100	788 3,772 645 1,592 6,797	12 55 10 23 100	21,177 95,353 14,217 43,423 174,170	13 55 9 24 100															<b>23%</b>	27% *	-.07	23%	.01	24%	-.01							
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided Do not plan to do Plan to do Done or in progress Total	82 558 57 95 792	10 71 7 12 100	1,545 11,161 936 1,962 15,604	10 72 6 12 100	739 4,603 577 874 6,793	11 67 9 13 100	19,540 117,558 12,041 24,875 174,014	12 68 7 13 100																						<b>12%</b>	12%	-.03	13%	-.03	13%	-.03
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 Do not plan to do Plan to do Done or in progress Total	111 417 80 181 789	14 52 10 23 100	2,160 7,919 1,771 3,698 15,548	14 50 12 24 100	972 3,285 1,010 1,499 6,766	15 48 16 22 100	25,796 85,405 20,531 41,558 173,290	16 49 13 23 100																												
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 Do not plan to do Plan to do Done or in progress Total	71 186 172 362 791	9 23 22 46 100	1,112 2,778 3,781 7,913 15,584	8 19 24 49 100	551 1,273 1,863 3,101 6,788	8 18 28 46 100	15,872 36,158 40,943 80,879 173,852	10 21 24 45 100	<b>46%</b>	49%	-.06	46%	.01	45%	.03																					

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	273	36	6,063	40	2,731	43	65,470	40	<b>1.7</b>	1.7	.05	1.7 *	.09	1.7	.03	
		2	Some	437	55	7,878	49	3,357	48	89,299	50								
		3	Most	78	9	1,510	9	607	9	16,606	9								
		4	All	3	0	171	1	78	1	2,614	1								
			Total	791	100	15,622	100	6,773	100	173,989	100								
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	7	1	158	1	65	1	1,786	1	<b>5.7</b>	5.7	.01	5.7	-.02	5.7	-.06	
		2		11	1	259	2	114	2	2,520	2								
		3		34	5	585	4	251	4	6,055	4								
		4		61	8	1,352	9	544	8	13,895	8								
		5		175	22	3,498	22	1,419	21	35,412	20								
		6		269	34	5,071	32	2,140	31	53,303	30								
		7	Excellent	229	29	4,622	30	2,225	32	59,305	34								
		—	Not applicable	7	1	136	1	64	1	2,516	1								
			Total	793	100	15,681	100	6,822	100	174,792	100								
b. Academic advisors	QIadvisor	1	Poor	45	6	981	6	419	7	8,440	5	<b>5.1</b>	4.9	.07	4.9	.07	5.2 *	-.08	
		2		39	5	1,060	7	431	6	9,024	5								
		3		71	9	1,354	9	597	9	12,487	7								
		4		103	13	2,033	13	865	13	19,637	11								
		5		153	19	2,804	18	1,250	18	29,675	17								
		6		171	22	3,308	21	1,416	20	36,855	21								
		7	Excellent	207	27	3,860	25	1,781	26	55,752	32								
		—	Not applicable	4	1	239	2	50	1	2,561	1								
			Total	793	100	15,639	100	6,809	100	174,431	100								
c. Faculty	QIfaculty	1	Poor	15	2	231	2	91	2	2,301	2	<b>5.5</b>	5.5	-.01	5.4	.06	5.6 *	-.08	
		2		16	2	308	2	181	3	3,425	2								
		3		38	5	687	5	348	5	7,055	4								
		4		75	9	1,650	10	760	12	16,049	10								
		5		185	23	3,701	23	1,636	23	36,202	21								
		6		257	33	5,033	32	2,144	31	54,501	31								
		7	Excellent	195	25	3,872	25	1,571	23	52,574	30								
		—	Not applicable	3	0	80	1	37	1	1,364	1								
			Total	784	100	15,562	100	6,768	100	173,471	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	28	4	753	5	339	5	8,449	5	<b>4.9</b>	4.8	.08	4.7 *	.10	4.9	.02	
		2		35	4	777	5	348	5	8,315	5								
		3		50	6	1,117	7	523	8	11,754	7								
		4		92	12	2,080	13	956	14	21,380	12								
		5		134	18	2,846	18	1,253	18	30,742	17								
		6		157	20	2,799	17	1,306	18	31,284	17								
		7	Excellent	94	12	2,083	14	940	14	29,403	17								
		—	Not applicable	192	24	3,125	21	1,106	17	32,561	20								
	Total			782	100	15,580	100	6,771	100	173,888	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	45	6	937	6	501	8	9,417	6	<b>4.9</b>	4.7 **	.11	4.5 ***	.22	4.9	.01	
		2		39	5	1,014	6	520	8	10,059	6								
		3		62	8	1,460	9	682	10	14,307	8								
		4		97	12	2,508	16	1,097	16	24,879	14								
		5		170	21	3,304	21	1,389	20	35,473	20								
		6		202	25	3,213	20	1,312	18	37,288	21								
		7	Excellent	126	16	2,233	15	934	13	35,127	20								
		—	Not applicable	49	6	957	6	357	5	7,600	5								
	Total			790	100	15,626	100	6,792	100	174,150	100								
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic works	empstudy	1	Very little	10	1	333	2	154	3	3,247	2	<b>3.2</b>	3.1	.06	3.1	.07	3.2	-.01	
		2	Some	122	17	2,651	18	1,115	17	25,713	16								
		3	Quite a bit	349	46	6,790	45	2,903	46	73,030	44								
		4	Very much	268	36	5,138	34	2,199	34	64,782	38								
			Total			749	100	14,912	100	6,371	100								166,772
b. Providing support to help students succeed academically	SEacademic	1	Very little	39	6	747	5	325	6	7,541	5	<b>2.9</b>	2.9	.02	2.9	.02	3.0	-.06	
		2	Some	169	23	3,584	25	1,488	24	35,567	23								
		3	Quite a bit	321	44	6,369	43	2,697	43	68,596	41								
		4	Very much	210	28	4,100	27	1,819	27	53,936	31								
			Total			739	100	14,800	100	6,329	100								165,640
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	70	10	1,453	10	543	9	13,513	9	<b>2.8</b>	2.8	-.02	2.8	-.06	2.9 ***	-.12	
		2	Some	215	29	3,856	26	1,597	25	38,847	24								
		3	Quite a bit	259	35	5,571	38	2,448	39	61,546	37								
		4	Very much	201	26	3,923	26	1,743	27	51,941	31								
			Total			745	100	14,803	100	6,331	100								165,847

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				WMU		Great Lakes		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options															
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	121	17	2,657	18	1,016	17	26,282	16	<b>2.5</b>	2.5	.01	2.6	-.04	2.6	-.07
		2	Some	261	35	5,064	33	2,043	31	52,701	31							
		3	Quite a bit	213	29	4,359	30	1,969	31	49,848	30							
		4	Very much	148	20	2,767	19	1,301	20	37,263	22							
		Total		743	100	14,847	100	6,329	100	166,094	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	56	8	1,138	8	415	7	14,093	9	<b>2.8</b>	2.9	-.02	2.9	-.07	2.8	.00
		2	Some	189	26	3,833	26	1,483	24	40,851	25							
		3	Quite a bit	305	41	5,731	38	2,512	39	61,869	37							
		4	Very much	194	26	4,136	28	1,930	30	49,202	29							
		Total		744	100	14,838	100	6,340	100	166,015	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	84	11	1,662	12	565	9	18,791	12	<b>2.8</b>	2.8	-.02	2.9 **	-.12	2.8	-.01
		2	Some	211	28	3,971	26	1,529	24	42,523	26							
		3	Quite a bit	251	34	5,336	36	2,308	36	58,827	35							
		4	Very much	192	26	3,817	26	1,906	30	45,109	27							
		Total		738	100	14,786	100	6,308	100	165,250	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	292	39	5,479	37	1,986	33	53,986	34	<b>2.0</b>	2.0	-.05	2.1 ***	-.14	2.1 ***	-.14
		2	Some	256	35	5,224	35	2,245	35	57,111	34							
		3	Quite a bit	126	17	2,750	19	1,389	22	34,397	20							
		4	Very much	66	9	1,322	9	688	11	19,724	12							
		Total		740	100	14,775	100	6,308	100	165,218	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	84	11	1,934	14	569	9	24,657	16	<b>2.6</b>	2.6	-.01	2.8 ***	-.21	2.6	.00
		2	Some	240	33	4,546	30	1,629	26	44,563	28							
		3	Quite a bit	268	37	5,120	34	2,293	36	55,800	33							
		4	Very much	142	19	3,129	22	1,795	28	39,739	23							
		Total		734	100	14,729	100	6,286	100	164,759	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	149	20	2,611	18	1,026	17	30,463	20	<b>2.3</b>	2.4 **	-.10	2.4 ***	-.15	2.4 ***	-.12
		2	Some	302	41	5,656	38	2,270	36	56,582	35							
		3	Quite a bit	193	26	4,384	29	1,983	31	49,404	29							
		4	Very much	93	12	2,058	14	997	15	28,086	16							
		Total		737	100	14,709	100	6,276	100	164,535	100							

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																			
<b>a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)</b>																			
	tmprephrs	0	0 hrs	2	0	48	0	26	0	483	0	<b>15.4</b>	14.6 **	.10	14.4 **	.12	15.0	.05	
		3	1-5 hrs	80	11	2,081	14	930	15	21,630	14								
		8	6-10 hrs	176	24	3,585	24	1,593	25	38,212	23								
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	145	19	3,037	21	1,241	20	33,270	20								
		18	16-20 hrs	136	18	2,525	17	1,089	17	29,373	17								
		23	21-25 hrs	94	12	1,526	10	599	9	18,015	11								
		28	26-30 hrs	44	6	920	6	374	6	11,312	7								
		33	More than 30 hrs	69	9	1,085	7	485	8	13,542	8								
			Total	746	100	14,807	100	6,337	100	165,837	100								
<b>b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)</b>																			
	tmcocurrhrs	0	0 hrs	362	49	6,573	45	2,394	39	74,997	48	<b>4.0</b>	4.3	-.05	4.7 **	-.12	4.2	-.04	
		3	1-5 hrs	219	29	4,561	31	2,087	33	47,210	28								
		8	6-10 hrs	73	10	1,659	11	874	13	19,314	11								
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	43	6	851	6	450	7	10,248	6								
		18	16-20 hrs	13	2	544	4	264	4	6,383	4								
		23	21-25 hrs	18	2	249	2	112	2	3,177	2								
		28	26-30 hrs	5	1	122	1	52	1	1,493	1								
		33	More than 30 hrs	9	1	175	1	76	1	2,055	1								
			Total	742	100	14,734	100	6,309	100	164,877	100								
<b>c. Working for pay on campus</b>																			
	tmworkonhrs	0	0 hrs	553	74	10,624	71	4,389	72	116,643	73	<b>3.9</b>	4.2	-.03	4.3	-.04	3.6	.05	
		3	1-5 hrs	12	2	546	4	208	3	7,785	4								
		8	6-10 hrs	42	5	1,011	7	425	6	13,893	7								
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	13	11-15 hrs	51	7	898	6	457	6	9,971	5								
		18	16-20 hrs	49	7	908	6	418	6	10,487	6								
		23	21-25 hrs	13	2	373	3	184	3	2,866	2								
		28	26-30 hrs	12	2	186	1	109	1	1,254	1								
		33	More than 30 hrs	10	2	229	2	119	2	2,256	1								
			Total	742	100	14,775	100	6,309	100	165,155	100								

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



# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Working for pay off campus	tmworkoffhrs  (Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	285	39	6,145	43	2,858	46	73,814	44	<b>13.1</b>	12.1	.07	11.0 ***	.16	12.7	.03
		3	1-5 hrs	29	4	706	5	324	5	8,084	5							
		8	6-10 hrs	45	6	901	6	424	6	9,733	6							
		13	11-15 hrs	53	7	988	6	446	7	9,667	6							
		18	16-20 hrs	83	11	1,406	9	595	9	12,807	8							
		23	21-25 hrs	69	9	1,192	8	496	8	10,110	6							
		28	26-30 hrs	57	8	917	6	338	6	7,543	5							
		33	More than 30 hrs	114	16	2,412	17	788	14	32,487	22							
Total				735	100	14,667	100	6,269	100	164,245	100							
e. Doing community service or volunteer work	tmservicehrs  (Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	368	52	7,207	51	3,135	50	77,181	49	<b>2.6</b>	2.8	-.03	3.0	-.06	3.1 *	-.08
		3	1-5 hrs	276	37	5,470	36	2,251	35	61,423	36							
		8	6-10 hrs	40	5	1,027	7	441	7	13,475	8							
		13	11-15 hrs	23	3	401	3	212	4	5,230	3							
		18	16-20 hrs	14	2	280	2	109	2	3,101	2							
		23	21-25 hrs	3	0	101	1	53	1	1,355	1							
		28	26-30 hrs	4	0	58	0	22	0	677	0							
		33	More than 30 hrs	4	1	104	1	38	1	1,415	1							
Total				732	100	14,648	100	6,261	100	163,857	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs  (Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	11	2	343	2	136	2	4,810	3	<b>11.5</b>	11.4	.02	11.5	.00	10.5 ***	.13
		3	1-5 hrs	197	26	3,860	26	1,553	25	48,245	30							
		8	6-10 hrs	200	26	4,190	28	1,767	28	46,148	28							
		13	11-15 hrs	146	20	2,659	18	1,205	19	28,549	17							
		18	16-20 hrs	86	12	1,742	12	768	12	17,807	11							
		23	21-25 hrs	46	6	827	6	377	6	8,464	5							
		28	26-30 hrs	24	3	395	3	168	3	3,913	2							
		33	More than 30 hrs	35	5	680	5	296	5	6,540	4							
Total				745	100	14,696	100	6,270	100	164,476	100							

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU	Great Lakes Public	Peer Institutions	NSSE 2013				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs  <i>(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	520	71	9,751	66	4,484	71	101,293	60	<b>4.6</b>	5.7 **	-.10	4.4	.02	7.3 ***	-.22	
		3	1-5 hrs	74	10	1,552	10	622	10	17,095	11								
		8	6-10 hrs	29	4	679	5	298	5	8,377	5								
		13	11-15 hrs	15	2	386	3	192	3	5,258	3								
		18	16-20 hrs	16	2	333	3	118	2	4,735	3								
		23	21-25 hrs	5	1	211	1	60	1	2,790	2								
		28	26-30 hrs	8	1	129	1	51	1	2,362	2								
		33	More than 30 hrs	67	9	1,593	11	448	8	22,277	14								
			Total			734	100	14,634	100	6,273	100								164,187
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs  <i>(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	58	8	1,839	13	686	11	39,880	22	<b>4.9</b>	4.7	.03	4.9	-.01	4.4 *	.08	
		3	1-5 hrs	490	65	8,905	61	3,942	62	86,697	53								
		8	6-10 hrs	135	19	2,829	19	1,091	18	24,925	16								
		13	11-15 hrs	39	5	663	4	348	6	7,244	5								
		18	16-20 hrs	7	1	238	2	114	2	2,712	2								
		23	21-25 hrs	5	1	93	1	47	1	1,197	1								
		28	26-30 hrs	2	0	45	0	24	0	672	0								
		33	More than 30 hrs	8	1	123	1	44	1	1,539	1								
			Total			744	100	14,735	100	6,296	100								164,866
Estimated number of hours working for pay	tmworkhrs <i>(Continuous variable created by NSSE)</i>											<b>16.8</b>	16.2	.05	15.2 **	.12	16.1	.05	
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how many hours are on assigned reading?</b>																			
	tmreadhrs  <i>(Recoded version of tmread created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	35	5	977	7	404	6	6,794	4	<b>6.5</b>	6.1	.07	6.4	.01	6.9 *	-.08	
		3	1-5 hrs	371	50	7,921	54	3,268	52	80,648	49								
		8	6-10 hrs	208	28	3,655	25	1,583	25	45,813	27								
		13	11-15 hrs	86	11	1,289	9	572	9	17,788	10								
		18	16-20 hrs	29	4	577	4	292	5	8,582	5								
		23	21-25 hrs	9	1	198	1	105	2	3,162	2								
		28	26-30 hrs	6	1	86	1	48	1	1,387	1								
		33	More than 30 hrs	3	0	94	1	41	1	1,478	1								
			Total			747	100	14,797	100	6,313	100								165,652

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>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	49	7	1,027	7	405	7	9,167	6	<b>3.0</b>	3.0 *	.08	3.0	.06	3.1	-.04	
		2	Some	150	20	3,381	23	1,443	22	32,496	20								
		3	Quite a bit	281	38	5,495	37	2,409	38	59,426	36								
		4	Very much	264	36	4,861	33	2,055	33	64,430	38								
		Total		744	100	14,764	100	6,312	100	165,519	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	62	8	1,266	9	497	8	13,057	8	<b>2.9</b>	2.9	.07	2.9	.03	2.9	-.01	
		2	Some	162	21	3,733	25	1,578	25	37,014	23								
		3	Quite a bit	296	40	5,333	36	2,309	36	59,083	35								
		4	Very much	223	31	4,386	30	1,914	31	55,818	33								
		Total		743	100	14,718	100	6,298	100	164,972	100								
c. Thinking critically and analytically	pgthink	1	Very little	22	3	397	3	166	3	3,800	3	<b>3.2</b>	3.3	-.05	3.3	-.07	3.3 **	-.11	
		2	Some	116	16	2,004	14	805	13	19,400	12								
		3	Quite a bit	269	36	5,564	37	2,328	36	58,655	36								
		4	Very much	332	45	6,763	47	2,994	48	83,100	50								
		Total		739	100	14,728	100	6,293	100	164,955	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	111	14	1,764	12	611	10	19,105	11	<b>2.7</b>	2.8	-.08	2.9 ***	-.16	2.8 **	-.11	
		2	Some	216	29	4,148	27	1,637	25	44,803	27								
		3	Quite a bit	212	28	4,716	32	2,063	33	51,361	31								
		4	Very much	203	29	4,085	29	1,979	32	49,572	31								
		Total		742	100	14,713	100	6,290	100	164,841	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	68	9	1,188	9	513	9	13,267	9	<b>3.0</b>	3.0	-.02	3.0	.00	3.0	-.01	
		2	Some	156	21	3,101	21	1,358	22	35,215	22								
		3	Quite a bit	247	33	4,964	33	2,090	33	54,436	33								
		4	Very much	270	37	5,493	37	2,346	36	62,230	37								
		Total		741	100	14,746	100	6,307	100	165,148	100								
f. Working effectively with others	pgothers	1	Very little	40	5	813	6	349	6	8,728	6	<b>3.0</b>	3.0	.02	3.0	.01	3.0	-.02	
		2	Some	167	23	3,195	22	1,296	21	33,775	21								
		3	Quite a bit	261	35	5,559	37	2,397	38	60,129	36								
		4	Very much	270	37	5,131	35	2,244	35	62,066	37								
		Total		738	100	14,698	100	6,286	100	164,698	100								

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

# NSSE 2013 Frequencies and Statistical Comparisons

## Western Michigan University

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				WMU		Great Lakes Public		Peer Institutions		NSSE 2013		WMU		Great Lakes Public		Peer Institutions		NSSE 2013	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	103	15	2,088	15	792	14	18,374	13	<b>2.8</b>	2.7	.06	2.8	.00	2.8 *	-.08	
		2	Some	184	25	4,084	28	1,666	26	38,949	24								
		3	Quite a bit	239	32	4,582	31	2,032	32	52,007	31								
		4	Very much	212	29	3,972	27	1,804	29	55,586	32								
		Total		738	100	14,726	100	6,294	100	164,916	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	74	10	1,778	12	663	11	17,593	11	<b>2.8</b>	2.7 *	.09	2.8	.03	2.8	.00	
		2	Some	205	28	4,405	30	1,777	28	44,778	27								
		3	Quite a bit	240	32	4,625	31	2,040	32	52,397	31								
		4	Very much	220	30	3,923	27	1,812	29	50,209	30								
		Total		739	100	14,731	100	6,292	100	164,977	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	92	13	1,588	11	582	10	15,297	10	<b>2.8</b>	2.8	-.01	2.8 *	-.09	2.8	-.07	
		2	Some	207	28	4,168	28	1,686	27	44,149	27								
		3	Quite a bit	233	31	5,032	34	2,149	33	56,901	34								
		4	Very much	211	29	3,929	27	1,874	30	48,512	29								
		Total		743	100	14,717	100	6,291	100	164,859	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	117	16	2,137	15	794	13	19,844	13	<b>2.6</b>	2.6	.02	2.7	-.04	2.7 *	-.09	
		2	Some	206	28	4,622	31	1,879	29	46,730	29								
		3	Quite a bit	230	32	4,628	31	2,116	33	53,364	32								
		4	Very much	180	24	3,268	23	1,488	24	44,215	27								
		Total		733	100	14,655	100	6,277	100	164,153	100								
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	23	3	384	3	124	2	3,135	2	<b>3.2</b>	3.2	-.01	3.2	-.06	3.3 ***	-.13	
		2	Fair	87	12	1,708	12	683	11	15,697	10								
		3	Good	345	46	7,100	47	2,889	46	70,014	43								
		4	Excellent	291	39	5,595	39	2,611	40	76,748	44								
		Total		746	100	14,787	100	6,307	100	165,594	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	36	5	705	5	251	4	6,929	5	<b>3.2</b>	3.2	.00	3.3	-.07	3.3 *	-.07	
		2	Probably no	90	12	1,929	13	724	12	19,286	12								
		3	Probably yes	306	41	5,923	39	2,323	38	59,680	37								
		4	Definitely yes	315	42	6,243	43	3,023	46	79,902	47								
		Total		747	100	14,800	100	6,321	100	165,797	100								

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

# NSSE 2013 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	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013
1 a. askquest	623	2.8	2.8	2.8	2.9	.03	.01	.01	.00	0.9	0.8	0.8	0.9	13,511	5,650	103,426	.535	.967	.003	-.03	.00	-.12
b. drafts	618	2.4	2.5	2.5	2.6	.04	.01	.01	.00	1.0	1.0	1.0	1.0	13,435	5,616	625	.066	.579	.002	-.08	-.02	-.12
c. unpreparedr	617	3.0	3.0	3.0	3.1	.03	.01	.01	.00	0.8	0.8	0.8	0.8	13,404	5,610	102,653	.397	.478	.140	-.03	-.03	-.06
d. attendart	618	2.3	1.9	1.9	2.0	.04	.01	.01	.00	1.0	0.9	0.9	0.9	670	758	623	.000	.000	.000	.50	.47	.37
e. CLaskhelp	615	2.6	2.6	2.5	2.5	.04	.01	.01	.00	0.9	0.9	0.9	0.9	13,355	5,570	102,209	.126	.013	.022	.06	.11	.09
f. CLexplain	600	2.7	2.7	2.7	2.7	.03	.01	.01	.00	0.8	0.8	0.8	0.8	13,002	5,394	99,554	.201	.014	.101	.05	.11	.07
g. CLstudy	602	2.5	2.5	2.5	2.5	.04	.01	.01	.00	1.0	0.9	1.0	1.0	12,984	5,400	99,589	.760	.661	.580	.01	.02	-.02
h. CLproject	599	2.6	2.6	2.5	2.6	.03	.01	.01	.00	0.8	0.8	0.9	0.9	12,918	5,383	606	.816	.112	.611	.01	.07	.02
i. present	597	2.2	2.2	2.1	2.2	.03	.01	.01	.00	0.8	0.9	0.9	0.9	664	782	605	.904	.013	.486	.00	.10	-.03
2 a. RIintegrate	584	2.7	2.7	2.7	2.7	.04	.01	.01	.00	0.9	0.8	0.9	0.9	12,594	5,236	96,891	.241	.301	.337	.05	.05	.04
b. RISocietal	572	2.6	2.6	2.6	2.6	.04	.01	.01	.00	0.9	0.9	0.9	0.9	12,407	5,126	95,503	.030	.028	.387	.09	.10	.04
c. RIDiverse	574	2.6	2.5	2.5	2.6	.04	.01	.01	.00	0.9	0.9	0.9	0.9	625	710	95,623	.061	.305	.772	.08	.05	-.01
d. RIownview	573	2.8	2.7	2.8	2.8	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,392	5,136	95,442	.003	.018	.183	.13	.10	.06
e. RIperspect	570	3.0	2.8	2.8	2.9	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,359	5,124	95,230	.000	.001	.009	.17	.15	.11
f. RInewview	569	2.9	2.8	2.8	2.9	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,321	5,128	94,850	.009	.010	.298	.11	.11	.04
g. RIconnect	570	3.1	3.0	3.0	3.1	.03	.01	.01	.00	0.8	0.8	0.8	0.8	626	718	94,453	.005	.006	.157	.12	.12	.06
3 a. SFcareer	570	2.3	2.2	2.2	2.2	.04	.01	.01	.00	0.9	0.9	0.9	0.9	621	705	575	.008	.000	.000	.12	.17	.16
b. SFotherwork	566	1.8	1.7	1.7	1.7	.04	.01	.01	.00	0.9	0.9	0.9	0.9	12,260	5,059	94,332	.218	.176	.293	.05	.06	.04
c. SFdiscuss	565	2.1	2.0	2.0	2.0	.04	.01	.01	.00	0.9	0.9	0.9	0.9	12,252	5,050	94,209	.024	.012	.030	.10	.11	.09
d. SFperform	563	2.2	2.1	2.1	2.1	.04	.01	.01	.00	0.9	0.9	0.9	0.9	611	690	568	.001	.002	.010	.15	.15	.12
4 a. memorize	560	3.1	3.0	3.0	2.9	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,240	5,062	567	.007	.001	.000	.12	.14	.16
b. HOapply	556	3.0	3.0	3.0	3.0	.04	.01	.01	.00	0.8	0.8	0.8	0.8	12,169	5,032	93,733	.985	.882	.396	.00	-.01	-.04
c. HOanalyze	554	2.9	2.9	3.0	3.0	.04	.01	.01	.00	0.8	0.8	0.8	0.8	12,131	5,013	93,357	.885	.257	.071	-.01	-.05	-.08
d. HOevaluate	555	2.8	2.9	2.9	2.9	.04	.01	.01	.00	0.8	0.8	0.8	0.8	12,142	5,021	93,397	.167	.151	.001	-.06	-.06	-.14
e. HOform	552	2.8	2.8	2.9	2.9	.04	.01	.01	.00	0.9	0.8	0.8	0.8	601	682	557	.595	.274	.019	-.02	-.05	-.10
5 a. ETgoals	555	3.1	3.1	3.2	3.2	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,214	5,047	94,006	.966	.233	.202	.00	-.05	-.05
b. ETorganize	554	3.1	3.1	3.1	3.1	.03	.01	.01	.00	0.8	0.8	0.8	0.8	12,183	702	560	.898	.042	.068	-.01	-.09	-.07
c. ETexample	554	3.0	3.1	3.1	3.1	.04	.01	.01	.00	0.8	0.8	0.8	0.8	12,149	5,029	93,537	.099	.012	.006	-.07	-.11	-.12
d. ETdraftfb	554	2.8	2.8	2.8	2.9	.04	.01	.01	.00	1.0	0.9	0.9	0.9	12,157	5,025	93,511	.151	.325	.015	-.06	-.04	-.10
e. ETfeedback	551	2.7	2.8	2.8	2.8	.04	.01	.01	.00	0.9	0.9	0.9	0.9	12,109	682	556	.149	.051	.003	-.06	-.09	-.13

# NSSE 2013 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	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013
6 a. QRconclude	552	2.5	2.6	2.6	2.6	.04	.01	.01	.00	1.0	0.9	0.9	0.9	12,190	5,031	93,836	.040	.066	.091	-.09	-.08	-.07
b. QRproblem	555	2.3	2.3	2.3	2.3	.04	.01	.01	.00	1.0	0.9	0.9	0.9	602	5,030	93,622	.632	.404	.529	.02	.04	.03
c. QRevaluate	551	2.2	2.3	2.3	2.3	.04	.01	.01	.00	0.9	0.9	0.9	0.9	12,118	4,999	93,282	.707	.894	.779	-.02	-.01	-.01
7 a. wrshortnum	499	6.9	6.7	5.9	6.8	.27	.05	.08	.02	6.0	5.5	5.2	5.7	538	594	85,733	.474	.001	.668	.04	.17	.02
b. wrmednum	491	1.9	2.1	2.0	2.1	.12	.03	.05	.01	2.7	2.9	2.9	3.0	10,857	4,386	82,835	.066	.363	.090	-.08	-.04	-.08
c. wrlongnum	477	0.8	0.7	0.7	0.8	.11	.02	.04	.01	2.4	2.4	2.4	2.6	10,524	4,250	80,426	.757	.392	.685	.01	.04	-.02
— wrpages	471	44	45	42	47	2.4	0.5	0.9	0.2	52	53	57	59	10,418	4,212	79,384	.778	.284	.448	-.01	.05	-.04
8 a. DDrace	508	3.1	3.0	3.0	3.1	.04	.01	.01	.00	0.9	0.9	0.9	0.9	11,377	4,612	87,237	.000	.004	.097	.17	.14	.07
b. DDeconomic	508	3.2	3.0	3.0	3.1	.04	.01	.01	.00	0.9	0.9	0.9	0.9	11,341	4,605	87,003	.000	.001	.016	.18	.15	.11
c. DDreligion	505	3.1	3.0	3.0	3.0	.04	.01	.01	.00	0.9	0.9	0.9	1.0	11,326	4,597	86,766	.005	.082	.040	.13	.08	.09
d. DDpolitical	505	3.1	3.0	3.0	3.0	.04	.01	.01	.00	0.9	0.9	0.9	0.9	11,295	4,584	86,498	.026	.068	.033	.10	.09	.09
9 a. LSreading	502	3.1	3.1	3.1	3.2	.03	.01	.01	.00	0.8	0.8	0.8	0.8	11,291	4,580	86,642	.433	.852	.257	.04	.01	-.05
b. LSnotes	502	2.9	2.9	2.9	2.9	.04	.01	.01	.00	0.9	0.9	0.9	0.9	11,260	4,577	86,446	.902	.603	.631	-.01	-.02	-.02
c. LSsummary	500	2.8	2.8	2.8	2.9	.04	.01	.01	.00	0.9	0.9	0.9	0.9	11,141	4,544	85,579	.965	.559	.389	.00	-.03	-.04
10. challenge	504	5.6	5.5	5.6	5.6	.05	.01	.02	.00	1.1	1.1	1.1	1.1	11,257	4,584	86,384	.061	.501	.636	.09	.03	.02
11 a. intern <sup>l</sup>	502	0.06	0.07	0.07	0.08	0.011	0.002	0.004	0.001								.536	.413	.153	-.03	-.04	-.07
b. leader <sup>l</sup>	500	0.11	0.11	0.11	0.12	0.014	0.003	0.005	0.001								.845	.778	.863	.01	.01	-.01
c. learncom <sup>l</sup>	498	0.14	0.18	0.13	0.15	0.015	0.004	0.005	0.001								.010	.633	.381	-.12	.02	-.04
d. abroad <sup>l</sup>	499	0.02	0.03	0.03	0.03	0.006	0.002	0.003	0.001								.112	.443	.145	-.08	-.04	-.07
e. research <sup>l</sup>	495	0.04	0.05	0.05	0.05	0.009	0.002	0.003	0.001								.612	.669	.320	-.02	-.02	-.05
f. capstone <sup>l</sup>	497	0.02	0.03	0.03	0.03	0.006	0.002	0.003	0.001								.318	.079	.227	-.05	-.09	-.06
12. servcourse	497	1.7	1.5	1.6	1.6	.03	.01	.01	.00	0.7	0.6	0.7	0.7	541	632	502	.000	.000	.000	.29	.21	.17
13 a. QIstudent	501	5.5	5.5	5.6	5.6	.06	.01	.02	.00	1.3	1.4	1.3	1.4	11,184	4,543	85,504	.832	.510	.406	.01	-.03	-.04
b. QIadvisor	492	5.4	5.1	5.1	5.1	.07	.02	.03	.01	1.5	1.7	1.7	1.7	554	664	499	.000	.000	.000	.22	.22	.18
c. QIfaculty	499	5.3	5.2	5.3	5.3	.06	.01	.02	.01	1.3	1.4	1.4	1.5	11,077	4,485	505	.016	.303	.431	.11	.05	.03
d. QIstaff	438	5.1	4.9	5.0	4.9	.08	.02	.03	.01	1.6	1.7	1.7	1.7	484	567	443	.003	.085	.041	.14	.08	.09
e. QIadmin	456	5.1	4.7	4.8	4.9	.07	.02	.03	.01	1.5	1.7	1.7	1.7	510	606	461	.000	.000	.001	.21	.19	.14

# NSSE 2013 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		Great Lakes Public	Peer Institutions	NSSE 2013	WMU		Great Lakes Public	Peer Institutions	NSSE 2013	WMU		Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:		Comparisons with:		Comparisons with:	
		WMU	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions
14 a. empstudy	466	3.4	3.2	3.2	3.2	.03	.01	.01	.00	0.7	0.7	0.7	0.8	10,384	4,188	80,167	.000	.000	.000	.26	.28	.23
b. SEacademic	464	3.2	3.1	3.1	3.1	.04	.01	.01	.00	0.8	0.8	0.9	0.8	10,312	4,156	79,690	.002	.006	.050	.14	.14	.09
c. SElearnsup	461	3.1	3.1	3.1	3.1	.04	.01	.01	.00	0.9	0.9	0.9	0.9	499	4,160	79,733	.956	.826	.480	.00	.01	-.03
d. SEdiverse	462	2.9	2.7	2.7	2.7	.05	.01	.02	.00	1.0	1.0	1.0	1.0	10,342	4,165	79,869	.000	.001	.001	.22	.17	.16
e. SEsocial	463	3.1	3.0	3.0	3.0	.04	.01	.01	.00	0.9	0.9	0.9	0.9	10,335	4,159	79,755	.055	.364	.122	.09	.04	.07
f. SEwellness	462	3.1	3.0	3.1	3.0	.04	.01	.01	.00	0.9	0.9	0.9	0.9	10,281	4,153	79,364	.005	.592	.008	.13	.03	.12
g. SEnonacad	463	2.5	2.4	2.5	2.4	.05	.01	.02	.00	1.0	1.0	1.0	1.0	501	569	467	.002	.155	.009	.16	.07	.13
h. SEactivities	458	3.0	2.9	3.0	2.9	.04	.01	.01	.00	0.9	0.9	0.9	1.0	10,258	4,130	463	.008	.740	.009	.13	.02	.12
i. SEevents	459	2.6	2.5	2.6	2.6	.05	.01	.02	.00	1.0	1.0	1.0	1.0	497	564	78,993	.243	.893	.881	.06	.01	.01
15 a. tmprephrs	467	15.4	14.2	13.8	14.2	.38	.08	.13	.03	8.2	8.3	7.9	8.4	10,326	579	79,709	.004	.000	.004	.13	.20	.13
b. tmcocurrhrs	465	5.0	5.0	4.8	5.2	.30	.06	.10	.02	6.4	6.4	6.3	6.7	10,246	4,142	79,192	.994	.645	.541	.00	.02	-.03
c. tmworkonhrs	464	2.8	2.5	2.5	2.4	.29	.06	.10	.02	6.2	6.0	6.1	5.6	10,278	4,155	467	.294	.217	.109	.05	.06	.08
d. tmworkoffhrs	460	4.0	5.3	5.8	5.7	.39	.09	.16	.04	8.4	9.4	9.9	10.2	514	629	467	.003	.000	.000	-.13	-.18	-.16
e. tmervicehrs	461	2.1	2.2	2.4	2.4	.17	.04	.07	.02	3.7	4.3	4.4	4.4	10,161	634	468	.575	.142	.075	-.03	-.06	-.07
f. tmrelaxhrs	462	13.7	13.1	12.8	12.4	.42	.09	.14	.03	9.1	8.6	8.5	8.6	10,200	568	78,914	.119	.035	.001	.07	.11	.15
g. tmcarehrs	460	2.0	2.7	3.3	3.6	.28	.07	.13	.03	5.9	7.0	7.9	8.4	520	682	469	.014	.000	.000	-.10	-.17	-.19
h. tmcommutehrs	463	3.9	4.0	4.3	3.7	.23	.05	.09	.02	4.9	5.4	5.6	5.5	10,241	620	79,117	.751	.077	.390	-.02	-.08	.04
— tmwork	458	6.8	7.7	8.1	7.9	.50	.11	.19	.04	10.7	10.9	11.5	11.4	504	599	463	.086	.015	.023	-.08	-.11	-.10
16. tmreadhrs	461	6.9	6.0	6.1	6.4	.28	.05	.08	.02	5.9	5.1	5.1	5.4	492	546	464	.001	.004	.079	.18	.16	.09
17 a. pgwrite	461	2.8	2.8	2.8	2.9	.04	.01	.01	.00	0.9	0.9	0.9	0.9	10,271	4,151	79,415	.113	.135	.001	-.08	-.07	-.15
b. pgspeak	458	2.6	2.6	2.7	2.7	.05	.01	.02	.00	1.0	0.9	0.9	0.9	10,241	564	79,173	.833	.236	.158	.01	-.06	-.07
c. pgthink	459	3.1	3.1	3.1	3.1	.04	.01	.01	.00	0.8	0.8	0.8	0.8	10,249	4,139	79,157	.758	.417	.258	.01	-.04	-.05
d. pganalyze	455	2.5	2.6	2.7	2.6	.05	.01	.02	.00	1.0	1.0	0.9	1.0	10,240	562	79,127	.040	.000	.049	-.10	-.19	-.09
e. pgwork	458	2.7	2.6	2.7	2.7	.05	.01	.02	.00	1.0	1.0	1.0	1.0	10,254	4,148	79,193	.003	.542	.042	.14	.03	.10
f. pgothers	456	2.9	2.8	2.8	2.8	.04	.01	.01	.00	0.9	0.9	0.9	0.9	10,219	4,122	78,985	.257	.404	.623	.05	.04	.02
g. pgvalues	457	2.7	2.6	2.7	2.7	.05	.01	.02	.00	1.0	1.0	1.0	1.0	10,222	4,134	79,056	.107	.933	.327	.08	.00	-.05
h. pgdiverse	457	2.8	2.7	2.8	2.7	.04	.01	.02	.00	1.0	1.0	1.0	1.0	10,238	4,136	79,138	.001	.084	.045	.17	.09	.09
i. pgprobolve	455	2.7	2.6	2.7	2.6	.05	.01	.02	.00	1.0	0.9	0.9	1.0	10,226	4,129	79,040	.006	.184	.071	.13	.07	.08
j. pgcitizen	451	2.7	2.6	2.6	2.7	.05	.01	.02	.00	1.0	0.9	0.9	1.0	10,182	4,111	78,731	.003	.076	.144	.14	.09	.07
18. evalexp	459	3.3	3.2	3.3	3.3	.03	.01	.01	.00	0.7	0.7	0.7	0.7	10,280	4,152	79,414	.000	.084	.019	.19	.09	.11
19. sameinst	458	3.4	3.2	3.3	3.3	.03	.01	.01	.00	0.7	0.8	0.8	0.8	10,288	4,156	79,507	.000	.377	.004	.17	.04	.13

# NSSE 2013 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	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013
1 a. askquest	915	3.1	3.1	3.0	3.2	.03	.01	.01	.00	0.9	0.8	0.9	0.9	18,598	9,994	180,431	.099	.061	.003	-.06	.07	-.10
b. drafts	911	2.4	2.4	2.3	2.5	.03	.01	.01	.00	1.0	1.0	1.0	1.0	1,017	9,953	920	.598	.704	.000	-.02	.01	-.12
c. unpreparedr	911	3.0	3.0	2.9	3.0	.03	.01	.01	.00	0.8	0.8	0.8	0.8	18,458	1,122	179,184	.691	.322	.024	-.01	.03	-.07
d. attendart	906	2.0	1.8	1.9	1.9	.03	.01	.01	.00	1.0	0.9	0.9	0.9	18,424	9,906	178,966	.000	.000	.000	.21	.14	.13
e. CLaskhelp	905	2.5	2.4	2.4	2.4	.03	.01	.01	.00	0.9	0.9	0.9	0.9	18,405	9,891	178,772	.001	.027	.000	.11	.08	.17
f. CLexplain	880	2.8	2.8	2.8	2.7	.03	.01	.01	.00	0.8	0.8	0.8	0.9	986	1,086	890	.007	.003	.000	.09	.10	.16
g. CLstudy	884	2.5	2.4	2.5	2.4	.03	.01	.01	.00	1.0	1.0	1.0	1.0	18,059	9,652	175,460	.221	.661	.173	.04	-.02	.05
h. CLproject	886	2.9	2.9	2.9	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	18,017	9,632	895	.403	.580	.918	-.03	-.02	.00
i. present	881	2.7	2.7	2.6	2.6	.03	.01	.01	.00	0.9	0.9	1.0	1.0	17,988	9,585	890	.188	.011	.020	.05	.09	.07
2 a. RIintegrate	872	3.0	3.0	3.0	3.0	.03	.01	.01	.00	0.8	0.8	0.8	0.8	17,708	9,432	172,303	.884	.893	.557	-.01	.00	.02
b. RISocietal	858	2.8	2.8	2.8	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,480	9,314	170,173	.811	.307	.105	.01	.04	-.06
c. RIDiverse	866	2.6	2.6	2.6	2.7	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,516	9,322	170,449	.726	.294	.004	-.01	.04	-.10
d. Rlownview	864	2.8	2.8	2.8	2.9	.03	.01	.01	.00	0.9	0.8	0.9	0.8	17,490	9,313	170,178	.764	.166	.110	.01	.05	-.05
e. Rlperspect	860	2.9	2.9	2.9	3.0	.03	.01	.01	.00	0.8	0.8	0.8	0.8	17,444	9,285	169,907	.385	.036	.407	.03	.07	-.03
f. RInewview	857	2.9	2.9	2.9	3.0	.03	.01	.01	.00	0.8	0.8	0.8	0.8	956	1,053	169,352	.293	.154	.307	.04	.05	-.03
g. RIconnect	848	3.2	3.2	3.2	3.3	.03	.01	.01	.00	0.7	0.7	0.8	0.7	17,321	9,189	168,651	.665	.190	.452	.02	.05	-.03
3 a. SFcareer	850	2.4	2.4	2.4	2.4	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,375	9,196	169,116	.400	.876	.955	-.03	-.01	.00
b. SFotherwork	843	1.9	1.9	1.9	1.9	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,313	9,156	168,433	.062	.014	.327	-.07	-.09	-.03
c. SFdiscuss	844	2.2	2.2	2.2	2.2	.03	.01	.01	.00	0.9	1.0	0.9	1.0	937	9,152	853	.314	.303	.874	-.03	-.04	.01
d. SFperform	843	2.2	2.2	2.2	2.2	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,257	9,132	851	.494	.798	.927	.02	-.01	.00
4 a. memorize	846	2.8	2.8	2.8	2.7	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,300	9,154	168,421	.141	.943	.005	.05	.00	.10
b. HOapply	844	3.1	3.1	3.2	3.2	.03	.01	.01	.00	0.8	0.8	0.8	0.8	17,235	9,116	167,610	.338	.045	.050	-.03	-.07	-.07
c. HOanalyze	836	3.0	3.1	3.1	3.1	.03	.01	.01	.00	0.9	0.8	0.8	0.8	17,173	9,073	167,207	.196	.014	.002	-.05	-.09	-.11
d. HOevaluate	835	2.9	2.9	2.9	3.0	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,195	9,082	842	.452	.637	.017	.03	.02	-.08
e. HOform	836	2.9	2.9	2.9	3.0	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,153	9,065	843	.571	.321	.001	-.02	-.04	-.11
5 a. ETgoals	846	3.1	3.2	3.1	3.2	.03	.01	.01	.00	0.8	0.8	0.8	0.8	17,319	9,138	168,405	.169	.352	.000	-.05	-.03	-.12
b. ETorganize	843	3.1	3.1	3.1	3.2	.03	.01	.01	.00	0.8	0.8	0.8	0.8	17,275	9,119	850	.322	.692	.001	-.03	-.01	-.12
c. ETexample	845	3.1	3.1	3.1	3.2	.03	.01	.01	.00	0.9	0.8	0.8	0.8	17,229	9,099	167,600	.011	.021	.000	-.09	-.08	-.12
d. ETdraftfb	844	2.7	2.7	2.8	2.8	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,234	1,015	167,533	.486	.207	.011	-.02	-.05	-.09
e. ETfeedback	840	2.9	2.9	2.8	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	17,197	9,053	167,058	.930	.112	.065	.00	.06	-.06



# NSSE 2013 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	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:			Comparisons with:			Comparisons with:		
														Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013
6 a. QRconclude	842	2.6	2.6	2.7	2.6	.03	.01	.01	.00	1.0	1.0	1.0	1.0	923	1,004	849	.472	.022	.262	-.03	-.09	-.04
b. QRproblem	844	2.4	2.4	2.4	2.4	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,264	9,121	167,833	.712	.109	.246	-.01	-.06	-.04
c. QRevaluate	841	2.4	2.4	2.4	2.4	.03	.01	.01	.00	1.0	1.0	1.0	1.0	17,206	9,089	167,280	.851	.257	.581	-.01	-.04	-.02
7 a. wrshortnum	766	8.8	7.6	7.0	7.9	.25	.05	.07	.02	7.1	6.6	6.3	6.8	835	896	772	.000	.000	.000	.18	.28	.13
b. wrmednum	751	3.1	3.2	3.1	3.7	.14	.03	.05	.01	3.8	3.8	3.9	4.4	15,577	8,039	760	.702	.622	.000	-.01	.02	-.12
c. wrlongnum	743	1.9	1.8	1.9	2.0	.12	.03	.04	.01	3.3	3.2	3.6	3.7	15,299	7,942	752	.181	.633	.392	.05	.02	-.03
— wrpages	721	77	73	71	80	2.8	0.6	1.0	0.2	76	76	82	87	14,873	7,723	729	.092	.032	.368	.06	.08	-.03
8 a. DDrace	795	3.0	3.0	3.1	3.1	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,362	8,473	802	.283	.077	.015	.04	-.07	-.09
b. DDeconomic	796	3.1	3.1	3.1	3.1	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,325	8,464	158,634	.008	.541	.626	.10	.02	.02
c. DDreligion	794	3.1	3.0	3.1	3.0	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,276	8,436	158,171	.023	.646	.157	.08	.02	.05
d. DDpolitical	789	3.1	3.1	3.1	3.1	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,225	8,405	157,659	.170	.478	.383	.05	.03	.03
9 a. LSreading	793	3.2	3.2	3.2	3.3	.03	.01	.01	.00	0.8	0.8	0.8	0.8	16,296	8,434	158,313	.528	.346	.007	.02	.04	-.10
b. LSnotes	791	2.9	2.9	2.8	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,257	8,422	157,903	.835	.850	.075	-.01	.01	-.06
c. LSsummary	784	2.8	2.8	2.8	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	16,120	8,326	156,503	.669	.635	.005	-.02	.02	-.10
10. challenge	795	5.7	5.6	5.5	5.7	.04	.01	.01	.00	1.2	1.2	1.2	1.2	881	979	157,871	.015	.007	.399	.09	.10	-.03
11 a. intern <sup>l</sup>	793	0.51	0.53	0.50	0.48	0.018	0.004	0.006	0.001								.196	.482	.052	-.05	.03	.07
b. leader <sup>l</sup>	792	0.36	0.37	0.36	0.34	0.017	0.004	0.006	0.001								.573	.785	.286	-.02	-.01	.04
c. learncom <sup>l</sup>	792	0.23	0.27	0.23	0.24	0.015	0.004	0.005	0.001								.047	.835	.839	-.07	.01	-.01
d. abroad <sup>l</sup>	790	0.12	0.12	0.13	0.13	0.011	0.003	0.004	0.001								.484	.394	.358	-.03	-.03	-.03
e. research <sup>l</sup>	788	0.23	0.24	0.22	0.23	0.015	0.003	0.005	0.001								.531	.508	.869	-.02	.02	.01
f. capstone <sup>l</sup>	790	0.46	0.49	0.46	0.45	0.018	0.004	0.006	0.001								.085	.810	.388	-.06	.01	.03
12. servcourse	789	1.7	1.7	1.7	1.7	.02	.01	.01	.00	0.6	0.7	0.7	0.7	883	988	798	.147	.013	.416	.05	.09	.03
13 a. QIstudent	784	5.7	5.7	5.7	5.7	.05	.01	.02	.00	1.3	1.3	1.3	1.3	16,103	8,304	155,758	.862	.556	.113	.01	-.02	-.06
b. QIadvisor	787	5.1	4.9	4.9	5.2	.06	.01	.02	.00	1.8	1.8	1.8	1.8	15,958	8,300	155,178	.072	.068	.021	.07	.07	-.08
c. QIfaculty	781	5.5	5.5	5.4	5.6	.05	.01	.02	.00	1.4	1.4	1.4	1.4	16,027	8,259	155,318	.862	.094	.034	-.01	.06	-.08
d. QIstaff	593	4.9	4.8	4.7	4.9	.07	.02	.02	.00	1.6	1.7	1.7	1.8	657	721	599	.053	.021	.547	.08	.10	.02
e. QIadmin	738	4.9	4.7	4.5	4.9	.06	.01	.02	.00	1.7	1.7	1.8	1.8	15,138	915	149,669	.003	.000	.819	.11	.22	.01

# NSSE 2013 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		Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	WMU	Great Lakes Public	Peer Institutions	NSSE 2013	Comparisons with:			Comparisons with:			Comparisons with:		
	WMU	WMU												Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013	Great Lakes Public	Peer Institutions	NSSE 2013
14 a. empstudy	746	3.2	3.1	3.1	3.2	.03	.01	.01	.00	0.7	0.8	0.8	0.8	15,438	7,808	150,039	.084	.064	.800	.06	.07	-.01
b. SEacademic	737	2.9	2.9	2.9	3.0	.03	.01	.01	.00	0.9	0.9	0.9	0.9	15,321	7,748	148,989	.665	.524	.114	.02	.02	-.06
c. SElearnsup	742	2.8	2.8	2.8	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	15,326	898	749	.531	.145	.001	-.02	-.06	-.12
d. SEdiverse	741	2.5	2.5	2.6	2.6	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,365	7,746	149,395	.717	.331	.065	.01	-.04	-.07
e. SEsocial	742	2.8	2.9	2.9	2.8	.03	.01	.01	.00	0.9	0.9	0.9	0.9	15,350	7,762	749	.655	.061	.998	-.02	-.07	.00
f. SEwellness	735	2.8	2.8	2.9	2.8	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,293	889	148,611	.647	.002	.809	-.02	-.12	-.01
g. SEnonacad	737	2.0	2.0	2.1	2.1	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,283	7,720	744	.194	.000	.000	-.05	-.14	-.14
h. SEactivities	731	2.6	2.6	2.8	2.6	.03	.01	.01	.00	0.9	1.0	0.9	1.0	815	7,693	739	.719	.000	.999	-.01	-.21	.00
i. SEevents	735	2.3	2.4	2.4	2.4	.03	.01	.01	.00	0.9	0.9	0.9	1.0	15,209	904	742	.007	.000	.001	-.10	-.15	-.12
15 a. tmprephrs	743	15.4	14.6	14.4	15.0	.32	.07	.11	.02	8.8	8.7	8.8	8.9	15,320	7,760	149,137	.010	.002	.153	.10	.12	.05
b. tmcocurrhrs	739	4.0	4.3	4.7	4.2	.24	.05	.08	.02	6.4	6.5	6.5	6.6	15,238	905	148,253	.167	.002	.288	-.05	-.12	-.04
c. tmworkonhrs	739	3.9	4.2	4.3	3.6	.28	.07	.10	.02	7.7	7.9	8.1	7.2	15,280	7,726	745	.433	.303	.211	-.03	-.04	.05
d. tmworkoffhrs	732	13.1	12.1	11.0	12.7	.47	.11	.15	.04	12.8	13.0	12.5	13.6	15,159	7,680	740	.055	.000	.370	.07	.16	.03
e. tmervicehrs	729	2.6	2.8	3.0	3.1	.18	.04	.06	.01	4.7	5.0	5.1	5.3	15,144	7,661	737	.391	.116	.011	-.03	-.06	-.08
f. tmrelaxhrs	741	11.5	11.4	11.5	10.5	.31	.07	.10	.02	8.3	8.4	8.3	8.1	15,214	7,683	147,945	.640	.911	.001	.02	.00	.13
g. tmcarehrs	730	4.6	5.7	4.4	7.3	.37	.09	.11	.03	10.0	10.9	9.5	12.0	819	7,673	739	.005	.604	.000	-.10	.02	-.22
h. tmcommutehrs	739	4.9	4.7	4.9	4.4	.18	.04	.06	.01	4.8	4.8	4.9	5.3	15,236	7,709	747	.363	.781	.021	.03	-.01	.08
— tmwork	727	16.8	16.2	15.2	16.1	.45	.11	.16	.04	12.2	12.9	13.1	13.5	810	913	735	.197	.001	.135	.05	.12	.05
16. tmreadhrs	743	6.5	6.1	6.4	6.9	.19	.05	.07	.02	5.3	5.4	5.7	5.9	15,312	7,726	751	.060	.742	.021	.07	.01	-.08
17 a. pgwrite	740	3.0	3.0	3.0	3.1	.03	.01	.01	.00	0.9	0.9	0.9	0.9	15,268	7,725	148,811	.039	.136	.276	.08	.06	-.04
b. pgspeak	739	2.9	2.9	2.9	2.9	.03	.01	.01	.00	0.9	0.9	0.9	0.9	819	7,708	148,310	.077	.369	.797	.07	.03	-.01
c. pgthink	734	3.2	3.3	3.3	3.3	.03	.01	.01	.00	0.8	0.8	0.8	0.8	15,222	7,697	148,291	.201	.064	.003	-.05	-.07	-.11
d. pganalyze	738	2.7	2.8	2.9	2.8	.04	.01	.01	.00	1.0	1.0	1.0	1.0	808	883	744	.052	.000	.005	-.08	-.16	-.11
e. pgwork	737	3.0	3.0	3.0	3.0	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,249	7,713	148,468	.535	.999	.780	-.02	.00	-.01
f. pgothers	734	3.0	3.0	3.0	3.0	.03	.01	.01	.00	0.9	0.9	0.9	0.9	15,202	7,686	148,063	.606	.753	.628	.02	.01	-.02
g. pgvalues	734	2.8	2.7	2.8	2.8	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,230	7,699	148,277	.143	.947	.042	.06	.00	-.08
h. pgdiverse	735	2.8	2.7	2.8	2.8	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,233	7,695	148,308	.020	.448	.928	.09	.03	.00
i. pgprobolve	739	2.8	2.8	2.8	2.8	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,222	889	745	.848	.033	.065	-.01	-.09	-.07
j. pgcitizen	729	2.6	2.6	2.7	2.7	.04	.01	.01	.00	1.0	1.0	1.0	1.0	15,145	876	147,538	.532	.312	.021	.02	-.04	-.09
18. evalexpr	742	3.2	3.2	3.2	3.3	.03	.01	.01	.00	0.8	0.8	0.7	0.7	15,301	7,719	148,906	.716	.142	.000	-.01	-.06	-.13
19. sameinst	743	3.2	3.2	3.3	3.3	.03	.01	.01	.00	0.8	0.8	0.8	0.8	15,313	7,738	149,085	.989	.069	.048	.00	-.07	-.07