
NSSE 2014

Frequencies and Statistical Comparisons

University of Waterloo

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NSSE 2014 Frequencies and Statistical Comparisons

About This Report

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

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

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

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

NSSE 2014 Frequencies and Statistical Comparisons
NSSEville State University

				Frequency Distributions ^a								Statistical Comparisons ^b									
				NSSEville State				Public Master's L Large Public				NSSE 2013 & 2014				Your seniors compared with					
				NSSEville State		Public Master's L		Large Public		NSSE 2013 & 2014		NSSEville State		Public Master's L		Large Public		NSSE 2013 & 2014			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
6. Doing the current school year, about how often have you done the following?																					
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)																					
	QRconclude	1	Never	68	6	8,616	14	8,407	13	43,329	13	2.9	2.6 *** .31	2.6 *** .28	2.6 *** .28						
		2	Sometimes	312	28	20,467	33	20,064	32	103,303	32										
		3	Often	374	36	19,337	32	19,953	33	100,187	33										
		4	Very often	298	30	12,371	21	13,018	22	66,650	22										
			Total	1,043	100	60,791	100	61,442	100	313,469	100										
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)																					
	QRproblem	1	Never	147	14	12,110	20	17,115	20	8,855	19	2.6	2.4 *** .20	2.4 *** .20	2.4 *** .18						
		2	Sometimes	366	35	22,556	37	22,556	36	115,411	36										
		3	Often	294	28	14,007	23	14,452	27	84,466	27										
		4	Very often	234	23	9,888	17	10,058	17	52,057	17										
			Total	1,041	100	60,658	100	61,330	100	312,819	100										
c. Evaluated what others have concluded from numerical information																					
	QRevaluate	1	Never	110	10	11,688	19	11,280	18	56,993	18	2.7	2.4 *** .29	2.4 *** .27	2.4 *** .26						
		2	Sometimes	367	35	23,158	38	23,396	38	118,394	38										
		3	Often	333	32	16,466	28	17,101	28	87,844	28										
		4	Very often	231	23	9,140	15	9,355	16	48,722	16										
			Total	1,041	100	60,452	100	61,132	100	311,953	100										

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

8. Key to symbols:

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

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a				Statistical Comparisons ^b													
				UWaterloo		Ontario Universities		U15		Custom group		Your first-year students compared with									
				Count	%	Count	%	Count	%	Count	%	UWaterloo	Ontario Universities	U15	Custom group	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean
1. During the current school year, about how often have you done the following?																					
a. Asked questions or contributed to course discussions in other ways				askquest	1	Never	448	14	3,016	11	3,972	15	2,070	13	2.3	2.4 *** ▽	-0.13	2.3	.01	2.4 *** ▽	-0.06
		2	Sometimes	1,635	52	13,024	49	13,088	51	8,200	50										
		3	Often	749	24	6,914	26	5,707	23	4,011	25										
		4	Very often	321	10	3,423	13	2,676	11	1,873	12										
		Total		3,153	100	26,377	100	25,443	100	16,154	100										
b. Prepared two or more drafts of a paper or assignment before turning it in				drafts	1	Never	926	30	6,493	25	6,932	28	4,185	27	2.1	2.3 *** ▽	-0.12	2.2 *** ▽	-0.08	2.2 *** ▽	-0.07
		2	Sometimes	1,158	37	9,649	37	8,869	35	5,946	37										
		3	Often	727	23	6,676	25	6,300	25	4,018	25										
		4	Very often	323	10	3,406	13	3,197	12	1,923	11										
		Total		3,134	100	26,224	100	25,298	100	16,072	100										
c. Come to class without completing readings or assignments				unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	358	12	2,521	10	2,426	10	1,660	10	2.7	2.7 *** ▽	-0.09	2.7 *** ▽	-0.07	2.7	-0.03
		2	Often	769	25	5,780	22	5,925	24	3,838	24										
		3	Sometimes	1,557	50	13,818	52	13,038	51	8,242	51										
		4	Never	445	14	4,039	16	3,869	15	2,294	14										
		Total		3,129	100	26,158	100	25,258	100	16,034	100										
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)				attendart	1	Never	1,638	53	14,737	57	13,271	53	8,318	52	1.6	1.6	.02	1.7	-0.03	1.7 ** ▽	-0.05
		2	Sometimes	1,067	34	7,362	28	8,068	32	5,060	32										
		3	Often	268	9	2,689	10	2,641	11	1,766	11										
		4	Very often	132	4	1,263	5	1,174	5	811	5										
		Total		3,105	100	26,051	100	25,154	100	15,955	100										
e. Asked another student to help you understand course material				CLaskhelp	1	Never	152	5	2,309	9	2,144	9	1,234	8	2.8	2.6 *** △	.25	2.6 *** △	.22	2.7 *** △	.17
		2	Sometimes	1,068	34	10,359	40	9,865	39	6,038	38										
		3	Often	1,106	36	8,663	33	8,404	33	5,430	34										
		4	Very often	792	25	4,751	18	4,774	19	3,267	20										
		Total		3,118	100	26,082	100	25,187	100	15,969	100										
f. Explained course material to one or more students				CLexplain	1	Never	82	3	1,135	5	1,208	5	652	4	2.9	2.7 *** △	.15	2.7 *** △	.18	2.8 *** △	.12
		2	Sometimes	1,016	32	9,438	37	9,555	38	5,735	36										
		3	Often	1,262	41	9,956	39	9,408	38	6,075	39										
		4	Very often	723	24	5,078	20	4,549	19	3,216	21										
		Total		3,083	100	25,607	100	24,720	100	15,678	100										

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
Item wording or description	Variable name ^c	Values ^d	Response options	Your first-year students compared with																	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	327	11	3,598	14	3,452	14	2,182	14	2.7	2.6 ***	.13	2.6 ***	.14	2.6 ***	.14			
		2	Sometimes	1,000	32	8,824	34	8,646	35	5,643	36								△	△	△
		3	Often	1,005	33	7,614	29	7,325	29	4,594	29										
		4	Very often	756	25	5,615	22	5,333	21	3,274	21										
		Total		3,088	100	25,651	100	24,756	100	15,693	100										
h. Worked with other students on course projects or assignments	CLproject	1	Never	234	8	3,483	14	3,153	13	1,947	12	2.7	2.5 ***	.21	2.6 ***	.17	2.6 ***	.18			
		2	Sometimes	1,049	34	9,576	37	8,917	36	6,010	38								△	△	△
		3	Often	1,094	36	7,833	31	7,610	31	4,832	31										
		4	Very often	706	23	4,710	19	5,033	20	2,887	19										
		Total		3,083	100	25,602	100	24,713	100	15,676	100										
i. Gave a course presentation	present	1	Never	1,133	38	10,369	41	11,048	45	6,529	41	1.9	1.9 *	.04	1.8 ***	.16	1.8 ***	.09			
		2	Sometimes	1,308	42	10,010	39	9,560	39	6,384	41								△	△	△
		3	Often	431	14	3,587	14	2,876	12	1,970	13										
		4	Very often	195	6	1,494	6	1,082	4	704	5										
		Total		3,067	100	25,460	100	24,566	100	15,587	100										
2. During the current school year, about how often have you done the following?																					
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	166	5	1,622	7	1,641	7	1,084	7	2.6	2.7 ***	-0.08	2.7 *	-0.04	2.7	-0.02			
		2	Sometimes	1,271	42	9,143	36	8,980	37	5,828	38								▽	▽	
		3	Often	1,113	37	9,491	38	9,298	38	5,703	37										
		4	Very often	491	16	4,962	19	4,362	18	2,747	18										
		Total		3,041	100	25,218	100	24,281	100	15,362	100										
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	518	17	2,381	10	2,493	11	1,611	11	2.3	2.6 ***	-0.30	2.5 ***	-0.24	2.5 ***	-0.23			
		2	Sometimes	1,317	44	9,550	38	9,584	40	6,148	41								▽	▽	▽
		3	Often	880	29	8,743	35	8,175	33	5,095	33										
		4	Very often	311	10	4,260	17	3,769	15	2,347	15										
		Total		3,026	100	24,934	100	24,021	100	15,201	100										
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	982	33	4,357	19	5,417	23	2,939	20	2.1	2.4 ***	-0.34	2.2 ***	-0.19	2.3 ***	-0.28			
		2	Sometimes	1,116	37	9,787	39	9,931	41	6,129	40								▽	▽	▽
		3	Often	637	21	7,271	29	6,064	25	4,181	27										
		4	Very often	269	9	3,528	14	2,558	11	1,911	12										
		Total		3,004	100	24,943	100	23,970	100	15,160	100										

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

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University of Waterloo

First-Year Students

Item wording or description				Variable name ^c				Frequency Distributions ^a				Statistical Comparisons ^b																						
								UWaterloo		Ontario Universities		U15		Custom group		Your first-year students compared with																		
								Count	%	Count	%	Count	%	Count	%	UWaterloo	Ontario Universities	U15	Custom group	Effect size ^e	Effect size ^e	Effect size ^e	Effect size ^e											
d. Examined the strengths and weaknesses of your own views on a topic or issue				RIownview				1		Never		376		13		1,912		8		2,284		10		1,283		9		2.5	2.6 ***	-0.20	2.6 ***	-0.11	2.6 ***	-0.16
								2		Sometimes		1,205		40		9,083		36		9,341		39		5,661		37								
								3		Often		1,055		35		9,963		40		8,973		38		5,886		39								
								4		Very often		369		12		3,918		16		3,300		14		2,283		15								
								Total				3,005		100		24,876		100		23,898		100		15,113		100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective				RIperspect				1		Never		297		10		1,434		6		1,633		7		960		7		2.6	2.8 ***	-0.19	2.7 ***	-0.11	2.7 ***	-0.14
								2		Sometimes		1,086		36		8,026		32		8,130		34		5,009		33								
								3		Often		1,115		37		10,229		41		9,690		40		6,160		41								
								4		Very often		500		17		5,139		21		4,365		18		2,953		19								
								Total				2,998		100		24,828		100		23,818		100		15,082		100								
f. Learned something that changed the way you understand an issue or concept				RInewview				1		Never		136		5		765		3		768		3		495		3		2.8	2.9 ***	-0.12	2.8 ***	-0.08	2.9 ***	-0.09
								2		Sometimes		998		33		7,352		30		7,276		31		4,538		31								
								3		Often		1,256		42		10,706		43		10,522		44		6,506		43								
								4		Very often		601		20		5,934		24		5,232		22		3,495		23								
								Total				2,991		100		24,757		100		23,798		100		15,034		100								
g. Connected ideas from your courses to your prior experiences and knowledge				RIconnect				1		Never		89		3		495		2		449		2		294		2		2.9	3.1 ***	-0.16	3.1 ***	-0.15	3.1 ***	-0.15
								2		Sometimes		804		27		5,241		22		5,094		22		3,225		22								
								3		Often		1,299		44		11,008		45		10,795		45		6,690		45								
								4		Very often		793		26		7,927		32		7,358		31		4,759		31								
								Total				2,985		100		24,671		100		23,696		100		14,968		100								
3. During the current school year, about how often have you done the following?																																		
a. Talked about career plans with a faculty member				SFcareer				1		Never		1,315		44		12,013		49		11,962		50		7,207		48		1.9	1.7 ***	.15	1.7 ***	.19	1.7 ***	.14
								2		Sometimes		1,033		34		8,621		34		8,202		34		5,379		36								
								3		Often		450		15		2,954		12		2,598		11		1,753		12								
								4		Very often		208		7		1,239		5		1,043		4		734		5								
								Total				3,006		100		24,827		100		23,805		100		15,073		100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)				SFotherwork				1		Never		1,824		61		17,042		69		17,135		72		10,131		68		1.6	1.5 ***	.18	1.4 ***	.26	1.5 ***	.17
								2		Sometimes		718		24		4,967		20		4,367		19		3,211		21								
								3		Often		320		11		1,919		8		1,578		7		1,205		8								
								4		Very often		139		5		796		3		639		3		477		3								
								Total				3,001		100		24,724		100		23,719		100		15,024		100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

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University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b													
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group							
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e						
4. During the current school year, how much has your coursework emphasized the following?																									
a. Memorizing course material				207		1,009		890		637		2.8		3.0 ***		-0.20		3.0 ***		-0.24		3.0 ***		-0.17	
2. Some				823		5,539		4,990		3,475				▽		▽		▽							
3. Quite a bit				1,195		10,259		9,712		6,166				3.0 ***		-0.19		3.0 ***		-0.18		3.0 ***		-0.12	
4. Very much				771		7,927		8,144		4,731				△		.00		2.9 *		.04		2.9		-0.01	
Total				2,996		24,734		23,736		15,009				2.9		.00		2.9 *		.04		2.9		-0.01	
b. Applying facts, theories, or methods to practical problems or new situations				78		1,008		979		561		3.1		3.0 ***		.19		3.0 ***		.18		3.0 ***		.12	
2. Some				563		5,657		5,393		3,138				△		.19		3.0 ***		.18		3.0 ***		.12	
3. Quite a bit				1,215		10,369		10,096		6,288				3.0 ***		.19		3.0 ***		.18		3.0 ***		.12	
4. Very much				1,139		7,576		7,170		4,966				△		.19		3.0 ***		.18		3.0 ***		.12	
Total				2,995		24,610		23,638		14,953				3.1		.19		3.0 ***		.18		3.0 ***		.12	
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts				153		1,225		1,334		764		2.9		2.9		.00		2.9 *		.04		2.9		-0.01	
2. Some				792		6,408		6,422		3,822				2.9		.00		2.9 *		.04		2.9		-0.01	
3. Quite a bit				1,213		9,912		9,649		5,986				2.9		.00		2.9 *		.04		2.9		-0.01	
4. Very much				821		6,936		6,157		4,311				△		.00		2.9 *		.04		2.9		-0.01	
Total				2,979		24,481		23,562		14,883				2.9		.00		2.9 *		.04		2.9		-0.01	
d. Evaluating a point of view, decision, or information source				426		1,954		2,649		1,488		2.5		2.7 ***		-0.25		2.6 ***		-0.10		2.7 ***		-0.16	
2. Some				1,009		7,430		7,875		4,639				▽		-0.25		2.6 ***		-0.10		2.7 ***		-0.16	
3. Quite a bit				1,069		9,545		8,618		5,577				2.7 ***		-0.25		2.6 ***		-0.10		2.7 ***		-0.16	
4. Very much				462		5,568		4,382		3,158				▽		-0.25		2.6 ***		-0.10		2.7 ***		-0.16	
Total				2,966		24,497		23,524		14,862				2.5		-0.25		2.6 ***		-0.10		2.7 ***		-0.16	

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

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First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
e. Forming a new idea or understanding from various pieces of information				Variable name ^c	Values ^d	Response options									Your first-year students compared with						
				1	Very little	278	9	1,950	8	2,194	10	1,333	9	2.7	2.8 *** ▽	-.07	2.7	.01	2.7	-.03	
				2	Some	975	33	7,327	30	7,554	32	4,527	31								
				3	Quite a bit	1,113	38	9,641	39	9,005	38	5,703	38								
				4	Very much	603	20	5,542	22	4,728	20	3,266	21								
Total		2,969	100	24,460	100	23,481	100	14,829	100												
5. During the current school year, to what extent have your instructors done the following?																					
a. Clearly explained course goals and requirements				ETgoals	1	Very little	69	2	737	3	574	3	407	3	3.0	3.0	.00	3.0	-.03	3.0	.00
				2	Some	693	23	5,574	22	4,909	21	3,358	22								
				3	Quite a bit	1,434	48	11,600	47	11,663	49	7,147	48								
				4	Very much	798	27	6,820	27	6,561	27	4,078	27								
				Total		2,994	100	24,731	100	23,707	100	14,990	100								
b. Taught course sessions in an organized way				ETorganize	1	Very little	66	2	666	3	513	2	351	2	3.0	3.0 *** △	.07	3.0 ** △	.05	3.0 ** △	.06
				2	Some	612	21	5,538	22	4,775	20	3,257	22								
				3	Quite a bit	1,432	48	11,765	48	12,361	52	7,315	49								
				4	Very much	867	29	6,691	27	5,984	25	4,016	27								
				Total		2,977	100	24,660	100	23,633	100	14,939	100								
c. Used examples or illustrations to explain difficult points				ETexample	1	Very little	73	2	927	4	681	3	463	3	3.1	3.0 *** △	.06	3.0 * △	.04	3.0 * △	.04
				2	Some	654	22	5,574	23	4,991	22	3,290	22								
				3	Quite a bit	1,297	43	10,479	43	10,823	46	6,501	44								
				4	Very much	954	32	7,597	31	7,056	29	4,642	31								
				Total		2,978	100	24,577	100	23,551	100	14,896	100								
d. Provided feedback on a draft or work in progress				ETdraftfb	1	Very little	731	24	5,252	22	5,204	22	3,286	22	2.2	2.3 *** ▽	-.10	2.3	-.03	2.3 ** ▽	-.05
				2	Some	1,132	38	9,127	37	9,219	39	5,713	38								
				3	Quite a bit	777	26	6,721	27	6,317	27	3,958	27								
				4	Very much	333	11	3,473	14	2,796	12	1,941	12								
				Total		2,973	100	24,573	100	23,536	100	14,898	100								
e. Provided prompt and detailed feedback on tests or completed assignments				ETfeedback	1	Very little	437	14	4,053	16	4,096	17	2,427	16	2.4	2.4	.03	2.4 *** △	.10	2.4 ** △	.06
				2	Some	1,186	40	9,627	39	9,529	41	5,981	40								
				3	Quite a bit	935	32	7,470	31	7,144	30	4,549	31								
				4	Very much	401	14	3,349	14	2,718	12	1,889	12								
				Total		2,959	100	24,499	100	23,487	100	14,846	100								

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NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
				Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. 11 pages or more	wrlongnum	0	None	1,333	49	13,171	61	12,520	62	8,516	67	1.8	1.5 ***	.08	1.5 ***	.10	1.3 ***	.13			
	<i>(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	1.5	1-2	949	35	5,045	25	4,723	24	2,555	21								△	△	△
	4	3-5	208	8	1,502	8	1,571	8	751	6											
	8	6-10	103	4	615	3	647	3	334	3											
	13	11-15	44	2	345	2	310	2	188	2											
	18	16-20	17	1	140	1	118	1	85	1											
	23	More than 20	38	1	214	1	183	1	122	1											
Total				2,692	100	21,032	100	20,072	100	12,551	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>								69.4	62.5 ***	.09	59.6 ***	.13	56.7 ***	.17		
8. During the current school year, about how often have you had discussions with people from the following groups?																					
a. People of a race or ethnicity other than your own	DDrace	1	Never	124	4	1,047	5	1,217	5	562	4	3.3	3.2 ***	.10	3.1 ***	.17	3.2	.03			
	2	Sometimes	516	18	4,805	21	5,362	23	2,686	19	△								△		
	3	Often	751	26	6,640	29	6,233	28	3,852	28											
	4	Very often	1,481	52	10,860	46	9,441	43	6,922	49											
	Total				2,872	100	23,352	100	22,253	100	14,022								100		
b. People from an economic background other than your own	DDeconomic	1	Never	153	5	1,314	6	1,448	6	722	5	3.1	3.0 *	.05	2.9 ***	.12	3.0	.02			
	2	Sometimes	659	23	5,568	24	6,125	27	3,403	24	△								△		
	3	Often	914	32	7,603	33	7,120	32	4,461	32											
	4	Very often	1,134	40	8,775	37	7,476	35	5,392	39											
	Total				2,860	100	23,260	100	22,169	100	13,978								100		
c. People with religious beliefs other than your own	DDreligion	1	Never	163	6	1,438	7	1,913	8	810	6	3.1	3.0 ***	.10	2.9 ***	.20	3.1 ***	.07			
	2	Sometimes	591	21	5,305	23	5,947	26	3,192	23	△								△		
	3	Often	801	28	7,004	30	6,371	29	4,077	29											
	4	Very often	1,304	46	9,488	40	7,909	37	5,877	42											
	Total				2,859	100	23,235	100	22,140	100	13,956								100		
d. People with political views other than your own	DDpolitical	1	Never	249	9	2,065	9	1,980	9	1,143	8	2.9	2.9 *	.04	2.8 ***	.07	2.9	.02			
	2	Sometimes	773	27	6,416	27	6,489	29	3,968	28	△								△		
	3	Often	825	29	7,196	31	6,862	31	4,227	31											
	4	Very often	992	35	7,441	32	6,703	31	4,547	33											
	Total				2,839	100	23,118	100	22,034	100	13,885								100		

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NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments				Lsreading															
1 Never				101	4	543	3	561	3	331	3	3.0	3.1 *** ▽	-0.10	3.1 *** ▽	-0.11	3.1 *** ▽	-0.09	
2 Sometimes				650	23	4,713	21	4,486	21	2,899	21								
3 Often				1,275	45	10,308	44	9,424	43	6,142	44								
4 Very often				826	29	7,666	32	7,680	34	4,573	32								
Total				2,852	100	23,230	100	22,151	100	13,945	100								
b. Reviewed your notes after class				LSnotes															
1 Never				267	9	2,206	10	2,017	9	1,350	10	2.6	2.6	.02	2.6	-0.03	2.6	.01	
2 Sometimes				1,153	41	9,758	42	8,802	40	5,736	41								
3 Often				887	31	6,714	29	6,533	30	4,045	29								
4 Very often				537	19	4,481	19	4,724	21	2,776	20								
Total				2,844	100	23,159	100	22,076	100	13,907	100								
c. Summarized what you learned in class or from course materials				LSsummary															
1 Never				243	9	2,100	9	1,994	9	1,212	9	2.7	2.7	.00	2.7 *	-0.04	2.7	-0.02	
2 Sometimes				1,015	36	7,934	35	7,212	33	4,739	35								
3 Often				903	32	7,792	34	7,155	33	4,638	34								
4 Very often				641	23	5,094	22	5,513	24	3,168	23								
Total				2,802	100	22,920	100	21,874	100	13,757	100								
10. During the current school year, to what extent have your courses challenged you to do your best work?																			
challenge																			
1 Not at all				24	1	137	1	125	1	84	1	5.5	5.4 *** △	.07	5.4 ** △	.06	5.4 *** △	.07	
2				43	2	322	2	332	2	207	2								
3				103	4	898	4	868	4	552	4								
4				298	11	2,797	12	2,534	12	1,655	12								
5				867	30	7,386	32	6,859	31	4,318	31								
6				844	30	6,928	30	6,855	31	4,306	31								
7 Very much				666	23	4,684	20	4,481	20	2,774	19								
Total				2,845	100	23,152	100	22,054	100	13,896	100								
11. Which of the following have you done or do you plan to do before you graduate?^f																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement				intern															
Have not decided				198	7	3,914	17	3,476	16	2,098	15	25%	7% *** ▲	.54	7% *** ▲	.50	6% *** ▲	.54	
Do not plan to do				107	4	1,681	8	1,463	7	871	6								
Plan to do				1,858	64	16,002	69	15,391	70	10,060	73								
Done or in progress				697	25	1,579	7	1,728	7	869	6								
Total				2,860	100	23,176	100	22,058	100	13,898	100								

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NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

			Frequency Distributions ^a								Statistical Comparisons ^b							
			UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
			Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
12. About how many of your courses at this institution have included a community-based project (service-learning)?																		
	servcourse	1	None	1,729	62	12,997	57	13,853	63	8,069	60	1.5	1.5 ***	-0.06	1.4 ***	.07	1.5	.00
		2	Some	842	30	8,136	36	6,724	31	4,748	34							
		3	Most	179	6	1,468	7	1,025	5	757	5							
		4	All	42	2	249	1	183	1	126	1							
		Total		2,792	100	22,850	100	21,785	100	13,700	100							

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University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b														
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group								
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e								
13. Indicate the quality of your interactions with the following people at your institution.																										
a. Students				QIstudent																						
		1	Poor	56	2	439	2	391	2	256	2	5.6	5.5 **	.06	5.5 **	.06	5.5 **	.06								
		2		55	2	545	2	498	2	285	2								△			△		△		
		3		98	3	1,145	5	1,066	5	652	5															
		4		250	9	2,153	9	2,020	9	1,325	9															
		5		647	23	5,240	23	5,054	23	3,283	24															
		6		873	30	6,895	30	6,786	31	4,302	31															
		7	Excellent	851	30	6,590	28	6,086	27	3,708	27															
		—	Not applicable	18	1	129	1	142	1	60	0															
			Total	2,848	100	23,136	100	22,043	100	13,871	100															
b. Academic advisors				QIadvisor																						
		1	Poor	150	5	1,606	7	1,340	6	866	6	4.8	4.6 ***	.13	4.6 ***	.12	4.6 ***	.12								
		2		161	6	1,487	6	1,273	6	846	6								△			△		△		
		3		215	7	2,004	9	1,703	8	1,210	8															
		4		370	13	3,066	13	2,656	12	1,883	14															
		5		552	20	4,358	19	3,747	17	2,651	19															
		6		500	18	3,804	16	3,512	16	2,360	17															
		7	Excellent	463	16	2,941	13	2,532	12	1,653	12															
		—	Not applicable	424	15	3,782	17	5,199	23	2,346	17															
			Total	2,835	100	23,048	100	21,962	100	13,815	100															
c. Faculty				QIfaculty																						
		1	Poor	113	4	1,277	5	1,035	5	688	5	5.0	4.7 ***	.15	4.8 ***	.13	4.8 ***	.13								
		2		120	4	1,432	6	1,178	5	812	6								△			△		△		
		3		205	7	2,126	9	1,842	8	1,231	9															
		4		423	15	3,551	16	3,457	16	2,144	16															
		5		696	25	5,490	24	5,514	25	3,414	25															
		6		701	25	5,068	22	5,100	23	3,118	23															
		7	Excellent	425	15	2,959	13	2,543	12	1,623	12															
		—	Not applicable	145	5	1,039	5	1,229	6	744	5															
			Total	2,828	100	22,942	100	21,898	100	13,774	100															

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NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	UWaterloo	Ontario Universities	U15	Custom group	Effect size ^e	Effect size ^e	Effect size ^e
Variable name ^c	Values ^d	Response options									Mean	Mean	Mean	Mean	Mean	Mean		
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	128	4	1,779	8	1,318	6	889	6	4.9	4.6 ***	.19	4.7 ***	.16	4.7 ***	.15
		2		139	5	1,430	6	1,164	5	762	5							
		3		203	7	1,803	8	1,512	7	1,060	7							
		4		369	13	2,822	12	2,580	12	1,752	13							
		5		617	22	4,117	18	3,941	18	2,659	19							
		6		592	21	4,189	18	3,943	18	2,550	19							
		7	Excellent	454	16	2,835	12	2,395	11	1,611	12							
		—	Not applicable	334	12	3,989	18	5,047	23	2,501	18							
	Total	2,836	100	22,964	100	21,900	100	13,784	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	155	5	1,641	7	1,300	6	840	6	4.7	4.6 ***	.07	4.6 *	.05	4.6 *	.05
		2		157	5	1,665	7	1,357	6	877	6							
		3		231	8	2,009	9	1,748	8	1,226	9							
		4		410	14	3,178	14	2,869	13	1,962	14							
		5		615	22	4,501	19	4,235	19	2,795	20							
		6		501	18	4,385	19	4,058	18	2,629	19							
		7	Excellent	360	13	2,895	13	2,491	11	1,586	11							
		—	Not applicable	399	14	2,767	13	3,870	18	1,901	15							
	Total	2,828	100	23,041	100	21,928	100	13,816	100									
14. How much does your institution emphasize the following?																		
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	26	1	388	2	301	2	205	2	3.3	3.2 ***	.21	3.2 ***	.13	3.2 ***	.12
		2	Some	308	11	3,340	16	2,738	13	1,791	14							
		3	Quite a bit	1,111	40	9,776	45	9,074	44	5,438	42							
		4	Very much	1,296	47	8,409	37	8,670	41	5,640	42							
			Total	2,741	100	21,913	100	20,783	100	13,074	100							
b. Providing support to help students succeed academically	SEacademic	1	Very little	102	4	1,127	5	1,071	5	683	5	3.0	2.9 ***	.10	2.9 ***	.17	2.9 ***	.15
		2	Some	576	21	5,334	25	5,305	26	3,346	26							
		3	Quite a bit	1,249	46	9,204	42	9,403	45	5,620	44							
		4	Very much	805	29	6,098	27	4,889	23	3,351	25							
			Total	2,732	100	21,763	100	20,668	100	13,000	100							
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	186	7	1,659	8	1,796	9	940	8	2.9	2.9	.02	2.8 ***	.14	2.9 **	.06
		2	Some	657	24	5,100	24	5,708	28	3,227	25							
		3	Quite a bit	1,086	40	8,528	39	8,205	40	5,224	40							
		4	Very much	787	29	6,452	29	4,941	24	3,576	26							
			Total	2,716	100	21,739	100	20,650	100	12,967	100							

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University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	UWaterloo	Ontario Universities	U15	Custom group	Effect size ^e	Effect size ^e	Effect size ^e
Variable name ^c	Values ^d	Response options									Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	465	17	3,965	18	4,213	20	2,295	18	2.5	2.5	.02	2.4 ***	.09	2.5	.00
		2	Some	927	34	7,235	33	7,318	35	4,411	34							
		3	Quite a bit	866	32	6,594	30	6,024	29	3,911	30							
		4	Very much	472	17	3,986	18	3,143	15	2,385	18							
		Total		2,730	100	21,780	100	20,698	100	13,002	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	262	10	1,940	9	1,948	9	1,096	8	2.7	2.8 ***	-0.08	2.7	-0.03	2.8 ***	-0.10
		2	Some	836	31	6,085	28	6,069	29	3,576	28							
		3	Quite a bit	1,061	39	8,300	38	8,079	39	5,080	40							
		4	Very much	575	21	5,448	24	4,558	22	3,226	24							
		Total		2,734	100	21,773	100	20,654	100	12,978	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	198	7	2,095	10	2,021	10	1,158	9	2.8	2.8	.03	2.8 **	.06	2.8	.01
		2	Some	782	29	5,853	27	5,672	28	3,482	27							
		3	Quite a bit	1,085	40	8,230	38	8,138	40	4,925	38							
		4	Very much	650	24	5,513	25	4,753	23	3,370	25							
		Total		2,715	100	21,691	100	20,584	100	12,935	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	616	22	6,122	28	5,956	29	3,626	28	2.3	2.2 ***	.10	2.1 ***	.15	2.2 ***	.12
		2	Some	1,048	39	7,939	37	7,760	38	4,859	38							
		3	Quite a bit	767	28	5,257	24	5,017	24	3,144	24							
		4	Very much	285	11	2,344	11	1,829	9	1,297	10							
		Total		2,716	100	21,662	100	20,562	100	12,926	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	452	17	2,996	14	2,535	13	1,662	13	2.4	2.6 ***	-0.18	2.6 ***	-0.20	2.6 ***	-0.18
		2	Some	1,017	38	6,932	32	6,556	32	4,279	33							
		3	Quite a bit	899	33	7,571	35	7,661	37	4,628	36							
		4	Very much	346	13	4,106	19	3,767	18	2,316	17							
		Total		2,714	100	21,605	100	20,519	100	12,885	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	616	23	4,357	20	3,799	19	2,335	18	2.2	2.3 ***	-0.13	2.4 ***	-0.15	2.4 ***	-0.16
		2	Some	1,093	41	8,046	37	7,665	38	4,955	39							
		3	Quite a bit	734	27	6,338	29	6,440	31	3,936	31							
		4	Very much	246	9	2,823	13	2,538	12	1,614	12							
		Total		2,689	100	21,564	100	20,442	100	12,840	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo				Ontario Universities				U15		Custom group		Your first-year students compared with					
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
15. About how many hours do you spend in a typical 7-day week doing the following?																					
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	33	1	124	1	122	1	67	1	18.7	15.5 *** ▲	.34	16.5 *** ▲	.23	16.8 *** ▲	.20			
		3	1-5 hrs	234	9	3,029	14	2,464	12	1,436	11										
		8	6-10 hrs	387	14	4,409	20	3,785	18	2,310	18										
		13	11-15 hrs	444	16	4,090	19	3,835	19	2,432	19										
		18	16-20 hrs	488	18	3,732	17	3,682	18	2,287	17										
		23	21-25 hrs	387	14	2,689	12	2,722	13	1,767	13										
		28	26-30 hrs	266	10	1,695	7	1,823	9	1,201	9										
		33	More than 30 hrs	493	18	1,995	9	2,225	11	1,480	11										
		Total	2,732	100	21,763	100	20,658	100	12,980	100											
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	851	31	9,522	44	9,379	45	5,297	41	4.7	3.8 *** ▲	.17	3.7 *** ▲	.19	4.0 *** ▲	.14			
		3	1-5 hrs	1,141	42	7,405	34	6,905	34	4,671	36										
		8	6-10 hrs	371	14	2,436	11	2,275	11	1,543	12										
		13	11-15 hrs	163	6	1,088	5	963	5	676	5										
		18	16-20 hrs	117	4	641	3	567	3	404	3										
		23	21-25 hrs	29	1	248	1	214	1	145	1										
		28	26-30 hrs	23	1	123	1	106	1	81	1										
		33	More than 30 hrs	25	1	127	1	99	1	71	1										
		Total	2,720	100	21,590	100	20,508	100	12,888	100											
c. Working for pay on campus	tmworkonhrs	0	0 hrs	2,407	88	19,861	91	18,995	92	11,823	91	1.5	1.0 *** ▲	.10	.9 *** ▲	.13	1.0 *** ▲	.11			
		3	1-5 hrs	96	3	439	2	424	2	311	2										
		8	6-10 hrs	69	3	520	2	433	2	302	2										
		13	11-15 hrs	62	2	375	2	330	2	210	2										
		18	16-20 hrs	47	2	253	1	222	1	152	1										
		23	21-25 hrs	20	1	131	1	116	1	86	1										
		28	26-30 hrs	9	0	51	0	40	0	29	0										
		33	More than 30 hrs	22	1	68	0	51	0	41	0										
		Total	2,732	100	21,698	100	20,611	100	12,954	100											

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
d. Working for pay off campus																			
	tmworkoffhrs	0	0 hrs	2,243	83	14,766	68	13,244	66	9,426	73	2.3	4.5 *** ▽	-.28	4.5 *** ▽	-.29	3.3 *** ▽	-.16	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	105	4	1,202	6	1,299	6	761	6								
		8	6-10 hrs	111	4	1,556	7	1,772	8	908	7								
		13	11-15 hrs	94	4	1,518	7	1,709	8	722	6								
		18	16-20 hrs	90	3	1,276	6	1,421	6	601	5								
		23	21-25 hrs	30	1	659	3	608	3	273	2								
		28	26-30 hrs	13	1	244	1	225	1	88	1								
		33	More than 30 hrs	32	1	409	2	292	2	139	1								
			Total	2,718	100	21,630	100	20,570	100	12,918	100								
Estimated number of hours working for pay				tmworkhrs								3.7	5.5 *** ▽	-.18	5.3 *** ▽	-.17	4.3 ** ▽	-.07	
			(Continuous variable created by NSSE)																
e. Doing community service or volunteer work												2.3	2.2	.01	2.0 * △	.05	2.1	.04	
	tmservicehrs	0	0 hrs	1,845	69	13,847	65	13,222	65	8,100	64								
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	572	21	5,195	24	5,175	25	3,411	26								
		8	6-10 hrs	104	4	1,217	6	1,000	5	634	5								
		13	11-15 hrs	62	2	526	3	414	2	279	2								
		18	16-20 hrs	51	2	328	2	264	1	182	1								
		23	21-25 hrs	23	1	163	1	150	1	91	1								
		28	26-30 hrs	16	1	70	0	49	0	32	0								
		33	More than 30 hrs	23	1	81	0	59	0	44	0								
			Total	2,696	100	21,427	100	20,333	100	12,773	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)												13.4	13.4	.00	12.9 ** △	.05	13.1	.03	
	tmrelaxhrs	0	0 hrs	66	2	335	2	300	2	185	1								
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	427	15	4,075	19	3,832	18	2,410	18								
		8	6-10 hrs	735	27	5,575	25	5,662	27	3,467	27								
		13	11-15 hrs	600	22	4,330	20	4,285	21	2,650	21								
		18	16-20 hrs	371	14	3,112	15	2,943	15	1,861	15								
		23	21-25 hrs	201	7	1,664	8	1,457	7	941	8								
		28	26-30 hrs	109	4	825	4	708	4	490	4								
		33	More than 30 hrs	200	8	1,600	8	1,235	7	820	7								
			Total	2,709	100	21,516	100	20,422	100	12,824	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b																		
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group												
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e											
g. Providing care for dependents (children, parents, etc.) <i>(Recorded version of tmcarehrs created by NSSE. Values are estimated number of hours per week.)</i>				tmcarehrs	0	0 hrs	2,118	79	14,445	67	14,575	72	8,947	71	2.1	3.1 ***	-0.15	2.4 **	-0.06	2.5 **	-0.06									
				3	1-5 hrs	282	10	3,448	16	3,042	15	1,994	15																	
				8	6-10 hrs	95	3	1,414	7	1,157	5	825	6																	
				13	11-15 hrs	70	3	813	4	582	3	425	3																	
				18	16-20 hrs	52	2	529	3	400	2	290	2																	
				23	21-25 hrs	25	1	250	1	188	1	100	1																	
				28	26-30 hrs	25	1	145	1	99	0	63	0																	
				33	More than 30 hrs	28	1	400	2	322	2	149	1																	
Total				2,695	100	21,444	100	20,365	100	12,793	100																			
h. Commuting to campus (driving, walking, etc.) <i>(Recorded version of tmcommutehrs created by NSSE. Values are estimated number of hours per week.)</i>				tmcommutehrs	0	0 hrs	520	19	4,448	21	3,096	16	2,450	19	4.8	6.1 ***	-0.21	6.1 ***	-0.22	6.2 ***	-0.24									
				3	1-5 hrs	1,521	56	8,508	39	8,702	42	5,000	38																	
				8	6-10 hrs	393	14	4,541	21	5,050	24	2,849	22																	
				13	11-15 hrs	121	4	2,402	11	2,328	11	1,553	12																	
				18	16-20 hrs	65	2	967	5	781	4	619	5																	
				23	21-25 hrs	38	1	398	2	322	2	236	2																	
				28	26-30 hrs	16	1	153	1	99	0	81	1																	
				33	More than 30 hrs	33	1	201	1	136	1	107	1																	
Total				2,707	100	21,618	100	20,514	100	12,895	100																			
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading? <i>(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)</i>				reading	1	Very little	645	25	2,923	14	2,884	15	1,820	15	2.5	2.9 ***	-0.35	2.8 ***	-0.31	2.8 ***	-0.30									
				2	Some	916	34	5,758	27	5,738	29	3,595	29																	
				3	About half	521	19	5,215	24	4,967	24	3,058	23																	
				4	Most	383	14	5,123	23	4,566	22	2,926	22																	
				5	Almost all	236	8	2,467	11	2,272	11	1,409	10																	
				Total				2,701	100	21,486	100	20,427	100	12,808								100								
				tmreadinghrs <i>(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																				7.1	7.6 ***	-0.07	7.8 ***	-0.10	7.9 ***	-0.11

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
tmreadinghrscol				30	1	119	1	114	1	60	1	2.4	2.6 ***	-0.22	2.5 ***	-0.10	2.6 ***	-0.13	
(Collapsed version of tmreadinghrs created by NSSE.)				1,283	49	9,366	45	8,617	43	5,277	43								
1	0 hrs	782	29	6,212	29	6,076	30	3,848	30										
2	More than zero, up to 5 hrs	232	8	2,427	11	2,323	11	1,476	11										
3	More than 5, up to 10 hrs	163	6	1,538	7	1,489	7	963	7										
4	More than 10, up to 15 hrs	131	5	1,176	5	1,166	6	786	6										
5	More than 15, up to 20 hrs	67	2	527	2	535	3	334	3										
6	More than 20, up to 25 hrs	2,688	100	21,365	100	20,320	100	12,744	100										
7	More than 25 hrs																		
Total																			
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively				487	18	2,539	12	3,070	15	1,801	15	2.4	2.6 ***	-0.22	2.5 ***	-0.10	2.6 ***	-0.13	
pgwrite				935	34	6,703	31	6,665	32	4,006	31								
1 Very little				916	33	8,356	38	7,425	36	4,840	37								
2 Some				392	14	4,101	19	3,404	16	2,278	17								
3 Quite a bit				2,730	100	21,699	100	20,564	100	12,925	100								
4 Very much																			
Total																			
b. Speaking clearly and effectively				605	22	4,455	21	5,308	26	3,011	24	2.3	2.4 ***	-0.07	2.2 ***	0.10	2.3	0.03	
pgspeak				933	34	7,272	34	7,337	36	4,448	35								
1 Very little				836	31	6,774	31	5,594	27	3,789	29								
2 Some				338	12	3,097	14	2,238	11	1,618	12								
3 Quite a bit				2,712	100	21,598	100	20,477	100	12,866	100								
4 Very much																			
Total																			
c. Thinking critically and analytically				72	3	861	4	935	5	500	4	3.1	3.0 ***	0.10	3.0 ***	0.16	3.0 ***	0.09	
pgthink				523	19	4,265	20	4,441	22	2,626	21								
1 Very little				1,131	41	9,293	43	8,857	43	5,346	41								
2 Some				995	37	7,191	33	6,258	31	4,415	34								
3 Quite a bit				2,721	100	21,610	100	20,491	100	12,887	100								
4 Very much																			
Total																			
d. Analyzing numerical and statistical information				309	11	5,067	23	4,102	20	2,533	19	2.9	2.4 ***	0.40	2.5 ***	0.33	2.6 ***	0.30	
pganalyze				653	24	6,319	29	5,892	28	3,633	28								
1 Very little				914	34	6,229	29	6,587	32	4,035	32								
2 Some				851	32	3,967	19	3,891	20	2,670	21								
3 Quite a bit				2,727	100	21,582	100	20,472	100	12,871	100								
4 Very much																			
Total																			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		Your first-year students compared with						
				Count	%	Count	%	Count	%	Count	%	UWaterloo	Ontario Universities	U15	Custom group	Effect size ^e	Effect size ^e	Effect size ^e
Variable name ^c	Values ^d	Response options	UWaterloo		Ontario Universities		U15		Custom group		Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	352	13	5,068	23	4,562	23	3,136	24	2.7	2.3 ***	.39	2.3 ***	.38	2.3 ***	.43
		2	Some	793	29	7,538	35	7,021	35	4,627	36							
		3	Quite a bit	880	32	5,920	28	5,941	28	3,415	27							
		4	Very much	698	26	3,087	15	2,985	14	1,706	14							
		Total		2,723	100	21,613	100	20,509	100	12,884	100							
f. Working effectively with others	pgothers	1	Very little	294	11	3,005	14	3,137	16	1,831	14	2.7	2.6 ***	.11	2.5 ***	.18	2.6 ***	.13
		2	Some	827	30	6,976	32	6,858	34	4,247	33							
		3	Quite a bit	1,028	38	7,450	34	6,981	34	4,436	34							
		4	Very much	570	21	4,140	19	3,490	17	2,341	18							
		Total		2,719	100	21,571	100	20,466	100	12,855	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	560	21	4,055	19	4,430	22	2,620	21	2.4	2.5	-.03	2.3 ***	.08	2.4	.02
		2	Some	870	32	7,078	33	7,091	34	4,243	33							
		3	Quite a bit	857	31	6,903	32	6,163	30	3,978	30							
		4	Very much	436	16	3,513	16	2,785	14	2,013	15							
		Total		2,723	100	21,549	100	20,469	100	12,854	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	602	22	3,787	18	4,264	21	2,332	19	2.4	2.5 ***	-.14	2.4	-.02	2.5 ***	-.11
		2	Some	894	33	6,839	32	6,930	34	4,081	32							
		3	Quite a bit	799	29	6,736	31	5,976	29	4,019	31							
		4	Very much	424	15	4,243	19	3,295	16	2,434	18							
		Total		2,719	100	21,605	100	20,465	100	12,866	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	361	13	3,802	18	3,617	18	2,243	17	2.6	2.5 ***	.14	2.5 ***	.17	2.5 ***	.15
		2	Some	891	33	7,412	34	7,203	35	4,514	35							
		3	Quite a bit	925	34	6,740	31	6,430	31	3,976	31							
		4	Very much	542	20	3,639	17	3,214	16	2,127	17							
		Total		2,719	100	21,593	100	20,464	100	12,860	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	619	23	3,993	19	3,927	20	2,449	19	2.3	2.4 ***	-.13	2.4 **	-.06	2.4 ***	-.08
		2	Some	963	35	7,394	34	7,485	37	4,590	36							
		3	Quite a bit	764	28	6,553	30	6,143	30	3,856	30							
		4	Very much	362	13	3,563	16	2,844	14	1,930	15							
		Total		2,708	100	21,503	100	20,399	100	12,825	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
18. How would you evaluate your entire educational experience at this institution?																			
evalexp		1	Poor	67	3	655	3	589	3	384	3	3.2	3.0 ***	.18	3.0 ***	.17	3.0 ***	.15	
		2	Fair	379	14	3,986	18	3,590	17	2,322	18								
		3	Good	1,339	48	11,218	52	11,000	53	6,605	51								
		4	Excellent	945	35	5,833	27	5,375	27	3,607	28								
		Total		2,730	100	21,692	100	20,554	100	12,918	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
sameinst		1	Definitely no	70	3	735	3	564	3	403	3	3.3	3.2 ***	.13	3.2 **	.05	3.2 **	.06	
		2	Probably no	258	9	2,888	13	2,374	11	1,529	11								
		3	Probably yes	1,247	45	9,741	45	9,190	45	5,735	45								
		4	Definitely yes	1,157	43	8,348	38	8,454	41	5,257	41								
		Total		2,732	100	21,712	100	20,582	100	12,924	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b															
				UWaterloo				Ontario Universities				U15				Custom group				Your seniors compared with							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
1. During the current school year, about how often have you done the following?																											
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	256	10	1,296	6	1,685	7	1,099	7	2.6	2.8 ***	-.26	2.7 ***	-.15	2.7 ***	-.19									
		2	Sometimes	1,158	43	8,311	36	9,053	39	6,180	38																
		3	Often	749	28	6,985	30	6,451	28	4,597	28																
		4	Very often	518	19	6,790	29	5,685	25	4,384	27																
		Total		2,681	100	23,382	100	22,874	100	16,260	100																
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	840	32	6,149	27	6,616	30	4,559	29	2.1	2.3 ***	-.19	2.2 ***	-.12	2.2 ***	-.14									
		2	Sometimes	997	37	7,917	34	7,631	34	5,488	34																
		3	Often	566	21	5,376	23	4,984	22	3,486	21																
		4	Very often	274	10	3,840	16	3,532	15	2,652	16																
		Total		2,677	100	23,282	100	22,763	100	16,185	100																
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	357	14	2,506	11	2,499	11	1,894	12	2.6	2.7 ***	-.14	2.7 ***	-.11	2.6 ***	-.08									
		2	Often	726	27	5,335	23	5,565	25	4,107	26																
		3	Sometimes	1,274	48	12,124	51	11,619	51	8,174	50																
		4	Never	310	11	3,247	14	3,044	13	1,986	12																
		Total		2,667	100	23,212	100	22,727	100	16,161	100																
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	1,290	49	11,503	50	10,282	45	7,269	45	1.7	1.7	-.02	1.8 ***	-.09	1.8 ***	-.10									
		2	Sometimes	956	36	7,704	33	8,326	37	5,860	36																
		3	Often	309	12	2,492	11	2,669	12	1,904	12																
		4	Very often	102	4	1,456	6	1,407	6	1,074	6																
		Total		2,657	100	23,155	100	22,684	100	16,107	100																
e. Asked another student to help you understand course material	CLaskhelp	1	Never	251	10	3,033	14	2,929	13	2,076	13	2.6	2.4 ***	.19	2.4 ***	.16	2.4 ***	.14									
		2	Sometimes	1,128	42	10,789	46	10,479	46	7,340	45																
		3	Often	821	31	6,324	27	6,250	27	4,390	27																
		4	Very often	447	17	2,980	13	3,022	13	2,285	15																
		Total		2,647	100	23,126	100	22,680	100	16,091	100																
f. Explained course material to one or more students	CLexplain	1	Never	107	4	1,028	5	1,147	5	805	5	2.7	2.7	-.02	2.7 *	.04	2.7	.01									
		2	Sometimes	1,018	38	8,659	38	8,940	40	6,212	39																
		3	Often	1,038	40	8,591	37	8,258	37	5,802	37																
		4	Very often	461	18	4,520	20	3,944	18	3,005	20																
		Total		2,624	100	22,798	100	22,289	100	15,824	100																

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

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University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with				
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario Universities		U15		Custom group	
													Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	353	13	3,626	16	3,670	17	2,695	17	2.6	2.5 *	.04	2.5 ***	.07	2.5 **	.06
		2	Sometimes	972	37	8,254	36	8,319	37	5,890	37							
		3	Often	807	31	6,309	27	6,084	27	4,159	26							
		4	Very often	487	19	4,607	20	4,216	19	3,072	20							
		Total		2,619	100	22,796	100	22,289	100	15,816	100							
h. Worked with other students on course projects or assignments	CLproject	1	Never	134	5	1,680	8	1,766	8	1,251	8	2.9	2.9	.03	2.8	.04	2.9	.03
		2	Sometimes	791	30	6,723	29	6,685	30	4,845	30							
		3	Often	953	36	7,541	33	7,085	32	5,029	32							
		4	Very often	742	29	6,830	30	6,742	30	4,659	30							
		Total		2,620	100	22,774	100	22,278	100	15,784	100							
i. Gave a course presentation	present	1	Never	430	17	2,049	10	2,630	12	1,657	11	2.4	2.7 ***	-.33	2.6 ***	-.19	2.6 ***	-.22
		2	Sometimes	1,075	41	7,588	34	8,316	38	6,015	38							
		3	Often	739	28	7,193	31	6,704	30	4,849	31							
		4	Very often	366	14	5,884	25	4,515	20	3,215	20							
		Total		2,610	100	22,714	100	22,165	100	15,736	100							
2. During the current school year, about how often have you done the following?																		
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	107	4	624	3	724	3	549	4	2.8	3.0 ***	-.23	2.9 ***	-.17	2.9 ***	-.16
		2	Sometimes	911	35	5,997	27	6,244	29	4,519	29							
		3	Often	1,044	40	9,181	41	8,995	41	6,130	39							
		4	Very often	530	21	6,641	29	5,978	27	4,338	28							
		Total		2,592	100	22,443	100	21,941	100	15,536	100							
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	405	16	1,563	8	1,728	9	1,263	9	2.4	2.8 ***	-.42	2.7 ***	-.34	2.7 ***	-.34
		2	Sometimes	1,061	42	7,053	32	7,503	35	5,214	35							
		3	Often	759	29	8,030	36	7,616	34	5,260	33							
		4	Very often	339	13	5,548	24	4,866	22	3,630	23							
		Total		2,564	100	22,194	100	21,713	100	15,367	100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	739	29	3,294	16	4,099	20	2,645	19	2.1	2.5 ***	-.43	2.4 ***	-.29	2.4 ***	-.34
		2	Sometimes	1,028	40	7,837	36	8,280	38	5,595	37							
		3	Often	565	22	6,470	29	5,699	26	4,178	26							
		4	Very often	234	9	4,581	20	3,613	16	2,920	18							
		Total		2,566	100	22,182	100	21,691	100	15,338	100							

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Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
Item wording or description	Variable name ^c	Values ^d	Response options																		
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	280	11	1,414	7	1,670	8	1,111	8	2.5	2.7 ***	-0.30	2.7 ***	-0.22	2.7 ***	-0.24			
		2	Sometimes	1,093	43	7,322	33	7,669	35	5,300	35								▽	▽	▽
		3	Often	855	33	8,924	40	8,427	38	5,954	38										
		4	Very often	332	13	4,507	20	3,901	18	2,960	19										
		Total		2,560	100	22,167	100	21,667	100	15,325	100										
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	223	9	1,083	5	1,272	6	882	6	2.6	2.8 ***	-0.25	2.8 ***	-0.17	2.8 ***	-0.18			
		2	Sometimes	924	36	6,552	30	6,828	32	4,754	32								▽	▽	▽
		3	Often	983	38	9,130	41	8,831	40	6,141	40										
		4	Very often	424	17	5,341	24	4,665	21	3,504	23										
		Total		2,554	100	22,106	100	21,596	100	15,281	100										
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	88	4	457	2	506	2	366	3	2.7	2.9 ***	-0.24	2.9 ***	-0.18	2.9 ***	-0.20			
		2	Sometimes	910	36	6,005	28	6,394	30	4,334	29								▽	▽	▽
		3	Often	1,105	43	9,699	44	9,410	43	6,648	43										
		4	Very often	443	17	5,905	26	5,233	24	3,896	25										
		Total		2,546	100	22,066	100	21,543	100	15,244	100										
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	61	2	328	2	317	2	247	2	2.9	3.1 ***	-0.28	3.1 ***	-0.24	3.1 ***	-0.24			
		2	Sometimes	687	27	3,917	18	4,217	20	2,977	20								▽	▽	▽
		3	Often	1,153	46	9,670	44	9,565	44	6,577	43										
		4	Very often	629	25	8,043	36	7,369	34	5,384	35										
		Total		2,530	100	21,958	100	21,468	100	15,185	100										
3. During the current school year, about how often have you done the following?																					
a. Talked about career plans with a faculty member	SFcareer	1	Never	866	34	6,445	30	6,944	33	4,789	32	1.9	2.1 ***	-0.15	2.0 ***	-0.07	2.0 ***	-0.10			
		2	Sometimes	1,118	44	9,139	41	9,047	42	6,330	42								▽	▽	▽
		3	Often	393	16	4,284	19	3,828	18	2,807	18										
		4	Very often	161	6	2,218	10	1,736	8	1,327	8										
		Total		2,538	100	22,086	100	21,555	100	15,253	100										
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	1,393	55	12,325	56	12,385	58	8,388	55	1.7	1.7	-0.01	1.7	0.03	1.7	-0.02			
		2	Sometimes	701	28	5,573	25	5,419	25	3,974	26										
		3	Often	294	12	2,498	11	2,377	11	1,823	12										
		4	Very often	141	6	1,598	7	1,290	6	1,007	7										
		Total		2,529	100	21,994	100	21,471	100	15,192	100										

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Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	864	34	6,492	30	7,011	32	4,686	31	2.0	2.1 ***	-0.11	2.0	-0.04	2.0 ***	-0.08	
		2	Sometimes	1,065	42	9,481	43	9,276	43	6,533	43								
		3	Often	459	18	4,082	19	3,656	17	2,798	18								
		4	Very often	140	6	1,938	9	1,533	7	1,171	8								
		Total		2,528	100	21,993	100	21,476	100	15,188	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	1,120	44	7,395	35	8,923	42	5,923	40	1.8	2.0 ***	-0.22	1.8 **	-0.06	1.8 ***	-0.10	
		2	Sometimes	994	39	9,478	43	8,600	40	6,247	41								
		3	Often	308	12	3,511	16	2,813	13	2,131	14								
		4	Very often	97	4	1,550	7	1,071	5	833	5								
		Total		2,519	100	21,934	100	21,407	100	15,134	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	164	6	1,742	8	1,500	7	1,205	8	2.8	2.8	-0.02	2.9 ***	-0.08	2.8	-0.02	
		2	Some	759	30	6,145	28	5,580	26	4,179	28								
		3	Quite a bit	989	39	8,152	37	8,071	38	5,557	37								
		4	Very much	626	24	5,986	27	6,356	29	4,237	27								
		Total		2,538	100	22,025	100	21,507	100	15,178	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	97	4	904	4	994	5	721	5	3.0	3.0	-0.03	3.0	.01	3.0	.00	
		2	Some	577	23	4,669	21	4,764	22	3,371	22								
		3	Quite a bit	1,135	45	9,568	44	9,397	44	6,454	43								
		4	Very much	721	29	6,774	31	6,261	29	4,570	30								
		Total		2,530	100	21,915	100	21,416	100	15,116	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	152	6	1,022	5	1,256	6	843	6	2.8	3.0 ***	-0.17	2.9 ***	-0.09	2.9 ***	-0.11	
		2	Some	692	28	5,013	23	5,320	25	3,658	25								
		3	Quite a bit	1,088	43	8,934	41	8,681	40	6,084	40								
		4	Very much	578	23	6,876	31	6,086	28	4,468	29								
		Total		2,510	100	21,845	100	21,343	100	15,053	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	316	13	1,520	7	1,934	10	1,292	9	2.5	2.8 ***	-0.34	2.7 ***	-0.22	2.8 ***	-0.25	
		2	Some	903	36	5,768	27	6,199	29	4,139	28								
		3	Quite a bit	898	35	8,622	39	8,240	38	5,824	38								
		4	Very much	402	16	5,967	26	4,945	23	3,810	24								
		Total		2,519	100	21,877	100	21,318	100	15,065	100								

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				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with				
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario Universities		U15		Custom group	
													Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	248	10	1,593	8	1,801	9	1,254	9	2.6	2.8 ***	-0.23	2.7 ***	-0.14	2.8 ***	-0.17
		2	Some	887	35	5,875	27	6,224	30	4,227	29							
		3	Quite a bit	938	37	8,730	40	8,482	39	5,947	39							
		4	Very much	437	17	5,633	25	4,788	22	3,600	23							
		Total		2,510	100	21,831	100	21,295	100	15,028	100							
5. During the current school year, to what extent have your instructors done the following?																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	60	2	508	2	505	2	367	3	2.9	3.0 ***	-0.14	3.0 ***	-0.14	3.0 ***	-0.14
		2	Some	674	27	4,510	21	4,338	20	3,094	21							
		3	Quite a bit	1,218	48	10,647	48	10,743	50	7,485	49							
		4	Very much	585	23	6,349	28	5,884	27	4,218	28							
		Total		2,537	100	22,014	100	21,470	100	15,164	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	66	3	549	3	496	2	362	3	2.9	3.0 ***	-0.10	3.0 ***	-0.09	3.0 ***	-0.08
		2	Some	617	24	4,649	21	4,490	21	3,277	22							
		3	Quite a bit	1,293	51	10,927	50	11,208	52	7,604	50							
		4	Very much	556	22	5,819	26	5,206	24	3,873	25							
		Total		2,532	100	21,944	100	21,400	100	15,116	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	76	3	760	4	685	3	532	4	3.0	3.0	-0.03	3.0	-0.04	3.0	-0.03
		2	Some	595	24	4,961	23	4,620	22	3,323	22							
		3	Quite a bit	1,191	47	9,712	44	10,148	47	6,927	46							
		4	Very much	662	26	6,448	29	5,898	28	4,304	28							
		Total		2,524	100	21,881	100	21,351	100	15,086	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	627	25	4,192	20	4,805	23	3,266	22	2.2	2.4 ***	-0.18	2.3 **	-0.06	2.3 ***	-0.09
		2	Some	959	38	7,770	36	7,968	38	5,584	37							
		3	Quite a bit	660	26	6,342	29	5,835	27	4,129	27							
		4	Very much	281	11	3,596	16	2,751	13	2,098	13							
		Total		2,527	100	21,900	100	21,359	100	15,077	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	287	11	2,534	12	2,962	14	1,831	13	2.5	2.6 *	-0.05	2.5 **	.05	2.5	.00
		2	Some	989	40	8,001	37	8,189	39	5,737	38							
		3	Quite a bit	892	36	7,701	35	7,290	34	5,272	35							
		4	Very much	339	13	3,576	16	2,852	13	2,193	15							
		Total		2,507	100	21,812	100	21,293	100	15,033	100							

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		UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
6. During the current school year, about how often have you done the following?																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	292	11	4,503	20	4,320	19	3,073	19	2.6	2.5 ***	.18	2.4 ***	.19	2.5 ***	.18	
		2	Sometimes	837	33	7,429	33	7,404	34	5,171	34								
		3	Often	946	38	6,376	30	6,177	29	4,369	30								
		4	Very often	454	18	3,691	17	3,550	17	2,536	18								
			Total	2,529	100	21,999	100	21,451	100	15,149	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	602	24	5,928	27	5,952	27	4,234	27	2.3	2.2	.04	2.2 **	.06	2.2 **	.06	
		2	Sometimes	962	38	8,225	37	8,070	37	5,668	37								
		3	Often	685	27	5,164	24	4,937	23	3,460	23								
		4	Very often	272	11	2,619	12	2,450	12	1,752	12								
			Total	2,521	100	21,936	100	21,409	100	15,114	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	452	18	4,910	22	4,813	22	3,321	21	2.4	2.3 *	.04	2.3 **	.06	2.3	.03	
		2	Sometimes	1,020	40	8,270	38	8,204	38	5,686	38								
		3	Often	754	30	5,844	27	5,677	27	4,070	27								
		4	Very often	294	12	2,853	13	2,655	13	1,988	14								
			Total	2,520	100	21,877	100	21,349	100	15,065	100								
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.)																			
a. Up to 5 pages	wrshortnum	0	None	210	9	953	5	1,236	7	730	6	6.5	7.2 ***	-.11	6.8	-.04	6.9 **	-.07	
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	527	22	3,863	20	4,097	21	2,695	20								
		4	3-5	687	29	5,954	30	5,858	30	4,200	31								
		8	6-10	464	20	4,462	22	4,250	22	3,105	22								
		13	11-15	211	9	2,084	10	1,826	9	1,339	10								
		18	16-20	86	4	1,075	5	861	4	652	5								
		23	More than 20	164	7	1,498	7	1,230	6	917	7								
			Total	2,349	100	19,889	100	19,358	100	13,638	100								
b. Between 6 and 10 pages	wrmednum	0	None	398	17	1,713	9	2,353	12	1,404	11	4.2	4.8 ***	-.13	4.3	-.01	4.5 **	-.06	
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	721	31	5,628	29	6,059	31	4,125	30								
		4	3-5	687	29	6,959	34	6,343	32	4,607	33								
		8	6-10	342	15	3,912	19	3,204	16	2,440	17								
		13	11-15	104	4	1,192	6	957	5	746	5								
		18	16-20	44	2	439	2	364	2	272	2								
		23	More than 20	52	2	343	2	251	1	197	1								
			Total	2,348	100	20,186	100	19,531	100	13,791	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b															
				UWaterloo				Ontario Universities				U15				Custom group				Your seniors compared with							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group		Effect size ^e		Effect size ^e		Effect size ^e			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Effect size ^e	Effect size ^e	Effect size ^e	Effect size ^e				
c. 11 pages or more	wrlongnum	0	None	598	26	4,435	23	4,881	26	3,518	27	3.4	3.2	.04	2.9 ***	.10	2.9 ***	.12	△	△							
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	894	38	8,134	41	7,825	41	5,515	41																
		4	3-5	475	20	4,325	21	3,991	21	2,700	20																
		8	6-10	201	9	1,759	9	1,497	8	1,036	8																
		13	11-15	79	3	553	3	487	3	315	2																
		18	16-20	38	2	252	1	225	1	156	1																
		23	More than 20	53	2	339	2	283	1	189	1																
		Total		2,338	100	19,797	100	19,189	100	13,429	100																
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									100.9	104.9	-.04	95.7 *	.06	96.9	.04	△								
8. During the current school year, about how often have you had discussions with people from the following groups?																											
a. People of a race or ethnicity other than your own	DDrace	1	Never	91	4	813	4	906	4	465	3	3.2	3.2	-.03	3.2	.02	3.3 ***	-.09	▽								
		2	Sometimes	486	20	4,212	19	4,375	21	2,541	18																
		3	Often	731	30	5,888	28	5,734	28	3,970	28																
		4	Very often	1,143	47	10,172	49	9,474	47	7,443	51																
			Total	2,451	100	21,085	100	20,489	100	14,419	100																
b. People from an economic background other than your own	DDeconomic	1	Never	112	5	907	4	1,004	5	576	4	3.0	3.1 ***	-.09	3.0	-.01	3.1 ***	-.09	▽	▽							
		2	Sometimes	635	26	4,834	23	5,305	26	3,341	24																
		3	Often	830	34	6,950	33	6,751	33	4,660	33																
		4	Very often	864	35	8,315	40	7,356	36	5,784	40																
			Total	2,441	100	21,006	100	20,416	100	14,361	100																
c. People with religious beliefs other than your own	DDreligion	1	Never	143	6	1,044	5	1,316	6	687	5	3.0	3.1 ***	-.10	3.0	.01	3.1 ***	-.10	▽	▽							
		2	Sometimes	586	24	4,714	22	5,179	25	3,167	23																
		3	Often	790	33	6,334	30	6,034	30	4,253	30																
		4	Very often	917	37	8,876	43	7,848	39	6,217	43																
			Total	2,436	100	20,968	100	20,377	100	14,324	100																
d. People with political views other than your own	DDpolitical	1	Never	174	7	1,281	6	1,251	6	831	6	2.9	3.0 ***	-.12	2.9 ***	-.08	3.0 ***	-.10	▽	▽	▽						
		2	Sometimes	717	30	5,569	26	5,601	28	3,894	27																
		3	Often	795	33	6,581	31	6,609	33	4,501	32																
		4	Very often	730	30	7,433	36	6,810	34	5,032	35																
			Total	2,416	100	20,864	100	20,271	100	14,258	100																

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo				Ontario Universities				U15		Custom group		Your seniors compared with					
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
9. During the current school year, about how often have you done the following?																					
a. Identified key information from reading assignments	LSreading	1	Never	99	4	467	2	519	3	340	3	3.0	3.2 ***	-.24	3.1 ***	-.19	3.2 ***	-.20			
		2	Sometimes	534	22	3,511	17	3,748	19	2,551	18										
		3	Often	1,080	44	8,545	41	8,074	40	5,700	40										
		4	Very often	720	29	8,465	40	8,065	39	5,750	39										
		Total		2,433	100	20,988	100	20,406	100	14,341	100										
b. Reviewed your notes after class	LSnotes	1	Never	346	14	2,991	14	2,868	14	2,039	14	2.4	2.5 *	-.04	2.5 **	-.06	2.5 *	-.05			
		2	Sometimes	1,050	43	8,729	41	8,299	41	5,919	41										
		3	Often	637	26	5,404	26	5,315	26	3,671	26										
		4	Very often	391	16	3,792	18	3,866	19	2,668	19										
		Total		2,424	100	20,916	100	20,348	100	14,297	100										
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	279	12	2,176	11	2,239	11	1,459	10	2.6	2.7 ***	-.09	2.7 ***	-.10	2.7 ***	-.10			
		2	Sometimes	878	37	7,154	34	6,769	34	4,919	35										
		3	Often	809	34	6,650	32	6,308	31	4,435	31										
		4	Very often	439	18	4,755	23	4,862	24	3,345	23										
		Total		2,405	100	20,735	100	20,178	100	14,158	100										
10. During the current school year, to what extent have your courses challenged you to do your best work?																					
challenge		1	Not at all	26	1	167	1	168	1	121	1	5.3	5.4 ***	-.09	5.3	-.04	5.4 **	-.06			
		2		43	2	363	2	377	2	246	2										
		3		103	4	740	4	833	4	532	4										
		4		311	13	2,202	11	2,334	12	1,602	12										
		5		852	35	6,922	33	6,885	34	4,829	33										
		6		699	29	6,758	32	6,404	31	4,524	31										
		7	Very much	383	16	3,773	18	3,338	16	2,444	17										
		Total		2,417	100	20,925	100	20,339	100	14,298	100										
11. Which of the following have you done or do you plan to do before you graduate?^f																					
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		145	6	1,993	10	1,745	8	1,248	9	66%	44% ***	.44	48% ***	.36	48% ***	.35			
		Do not plan to do		378	15	6,370	31	5,949	29	4,047	28										
		Plan to do		311	13	3,342	16	3,014	14	2,194	15										
		Done or in progress		1,597	66	9,222	44	9,652	48	6,806	48										
		Total		2,431	100	20,927	100	20,360	100	14,295	100										

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University of Waterloo

Seniors

			Frequency Distributions ^a								Statistical Comparisons ^b							
			UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with					
Item wording or description	Variable name ^c	Values ^d	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	209	9	1,928	9	1,676	8	1,158	8	34%	32%	.03	34%	-.02	37% ***	-08	
		Do not plan to do	1,157	48	10,555	51	10,345	51	6,761	48								
		Plan to do	238	10	1,508	8	1,334	7	974	7								
		Done or in progress	827	34	6,902	32	6,948	34	5,370	37								
		Total	2,431	100	20,893	100	20,303	100	14,263	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	267	11	2,639	13	2,337	11	1,690	12	20%	18%	.03	19%	.02	20%	-01	
		Do not plan to do	1,425	59	12,507	60	12,627	63	8,579	60								
		Plan to do	250	10	1,777	9	1,496	7	1,105	8								
		Done or in progress	472	20	3,904	18	3,811	19	2,858	20								
		Total	2,414	100	20,827	100	20,271	100	14,232	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	271	11	2,857	14	2,469	12	1,685	11	10%	10%	.02	13% ***	-.07	13% ***	-09	
		Do not plan to do	1,621	67	13,871	67	13,416	67	9,328	66								
		Plan to do	263	11	2,014	10	1,793	9	1,298	9								
		Done or in progress	255	10	2,069	10	2,577	13	1,904	13								
		Total	2,410	100	20,811	100	20,255	100	14,215	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	333	14	2,946	14	2,719	13	1,862	13	25%	23%	.03	26%	-.03	27% *	-05	
		Do not plan to do	1,119	46	10,024	48	9,673	48	6,683	47								
		Plan to do	369	15	2,860	14	2,695	13	1,911	13								
		Done or in progress	589	25	4,924	23	5,118	26	3,729	27								
		Total	2,410	100	20,754	100	20,205	100	14,185	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	294	12	2,602	13	2,509	12	1,696	12	32%	33%	-.03	32%	.00	34% *	-05	
		Do not plan to do	961	39	8,432	40	8,506	42	5,841	41								
		Plan to do	393	16	2,843	14	2,865	14	1,881	14								
		Done or in progress	758	32	6,881	33	6,313	32	4,773	34								
		Total	2,406	100	20,758	100	20,193	100	14,191	100								
12. About how many of your courses at this institution have included a community-based project (service-learning)?																		
servcourse	1	None	1,510	63	11,022	54	11,900	59	7,981	57	1.4	1.5 ***	-.16	1.5 *	-.05	1.5 ***	-11	
		2	Some	746	31	8,363	40	7,330	36	5,386								38
		3	Most	118	5	1,181	6	849	4	698								5
		4	All	18	1	195	1	130	1	117								1
		Total	2,392	100	20,761	100	20,209	100	14,182	100								

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Seniors

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				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with					
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario Universities		U15		Custom group		
													Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	36	2	293	1	257	1	223	2	5.5	5.7 ***	-0.12	5.6 ***	-0.09	5.6 **	-0.06	
				54	2	372	2	386	2										
				99	4	820	4	787	4										
				240	10	1,630	8	1,721	9										
				590	24	4,557	22	4,627	23										
				787	32	6,579	31	6,475	32										
				606	25	6,592	31	6,028	29										
				19	1	83	0	76	0										
Total				2,431	100	20,926	100	20,357	100	14,305	100								
b. Academic advisors	QIadvisor	1	Poor	158	6	1,518	7	1,462	8	1,134	8	4.6	4.6	.00	4.5 **	.07	4.5 ***	.09	
				178	7	1,453	7	1,465	7										
				218	9	1,829	9	1,849	9										
				349	14	2,841	14	2,799	14										
				545	22	4,145	20	3,845	19										
				444	18	3,670	17	3,298	16										
				349	14	3,382	16	2,690	13										
				183	8	2,024	10	2,903	14										
Total				2,424	100	20,862	100	20,311	100	14,268	100								
c. Faculty	QIfaculty	1	Poor	76	3	581	3	586	3	461	3	5.0	5.2 ***	-0.10	5.1 *	-0.05	5.1 *	-0.05	
				96	4	774	4	786	4										
				154	6	1,367	7	1,400	7										
				427	18	2,692	13	2,891	14										
				637	26	5,323	26	5,340	26										
				629	26	5,964	28	5,784	29										
				345	14	3,813	18	3,161	16										
				52	2	241	1	276	1										
Total				2,416	100	20,755	100	20,224	100	14,196	100								

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				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group		
				Count		Count		Count		Count		Mean		Mean		Mean		Mean		
				%		%		%		%		Effect size ^e		Effect size ^e		Effect size ^e		Effect size ^e		
Item wording or description	Variable name ^c	Values ^d	Response options																	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	141	6	1,412	7	1,232	6	931	7	4.6	4.5	.01	4.5	.02	4.5	.03		
		2		135	6	1,295	6	1,134	6	854	6									
		3		237	10	1,703	8	1,610	8	1,231	9									
		4		377	16	2,758	13	2,804	14	2,013	14									
		5		551	23	3,957	19	3,905	19	2,757	19									
		6		440	18	3,550	17	3,425	17	2,437	17									
		7	Excellent	242	10	2,408	11	2,035	10	1,445	10									
		—	Not applicable	294	12	3,705	18	4,095	20	2,545	18									
	Total			2,417	100	20,788	100	20,240	100	14,213	100									
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	137	6	1,415	7	1,248	6	943	7	4.6	4.6	.02	4.5	.02	4.5	.03		
		2		152	6	1,527	8	1,397	7	1,003	7									
		3		225	9	2,006	10	1,861	9	1,347	9									
		4		461	19	3,255	15	3,146	15	2,246	16									
		5		592	24	4,700	22	4,467	22	3,225	22									
		6		487	20	4,101	19	3,847	18	2,680	18									
		7	Excellent	240	10	2,622	12	2,185	11	1,592	11									
		—	Not applicable	131	5	1,209	6	2,122	11	1,202	10									
	Total			2,425	100	20,835	100	20,273	100	14,238	100									
14. How much does your institution emphasize the following?																				
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	33	2	422	2	337	2	233	2	3.4	3.2 ***	.24	3.3 ***	.14	3.3 ***	.12		
		2	Some	266	11	3,103	16	2,617	14	1,845	14									
		3	Quite a bit	873	37	8,760	44	8,250	42	5,463	40									
		4	Very much	1,196	50	7,857	38	8,337	43	6,215	44									
			Total			2,368	100	20,142	100	19,541	100									
b. Providing support to help students succeed academically	SEacademic	1	Very little	198	9	1,624	8	1,694	9	1,327	10	2.6	2.7 ***	-0.07	2.6	.02	2.6	.02		
		2	Some	826	35	6,431	33	6,800	35	4,774	35									
		3	Quite a bit	979	42	8,203	41	8,087	41	5,334	39									
		4	Very much	344	14	3,758	18	2,860	14	2,240	16									
			Total			2,347	100	20,016	100	19,441	100									
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	351	15	2,337	12	2,689	14	1,737	14	2.4	2.6 ***	-0.22	2.5 ***	-0.08	2.5 ***	-0.12		
		2	Some	926	40	6,327	32	7,119	37	4,765	36									
		3	Quite a bit	806	34	7,567	38	6,957	35	4,989	36									
		4	Very much	263	11	3,801	18	2,693	13	2,193	15									
			Total			2,346	100	20,032	100	19,458	100									

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				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group		
				Count		Count		Count		Count		Mean		Mean		Mean		Mean		
				%		%		%		%		Effect size ^e		Effect size ^e		Effect size ^e		Effect size ^e		
				%		%		%		%		Effect size ^e		Effect size ^e		Effect size ^e		Effect size ^e		
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	627	27	4,749	24	5,101	26	3,433	25	2.2	2.3 ***	-0.12	2.2	-0.02	2.3 ***	-0.08		
		2	Some	862	37	6,964	35	7,179	37	4,797	35									
		3	Quite a bit	621	26	5,488	27	4,950	26	3,573	26									
		4	Very much	244	10	2,851	14	2,233	11	1,891	14									
		Total		2,354	100	20,052	100	19,463	100	13,694	100									
e. Providing opportunities to be involved socially	SEsocial	1	Very little	376	16	2,239	11	2,204	12	1,564	12	2.4	2.7 ***	-0.27	2.6 ***	-0.24	2.7 ***	-0.27		
		2	Some	895	38	6,197	31	6,311	32	4,270	31									
		3	Quite a bit	820	35	7,525	37	7,404	38	5,058	37									
		4	Very much	265	11	4,106	20	3,560	18	2,819	20									
		Total		2,356	100	20,067	100	19,479	100	13,711	100									
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	316	14	2,505	13	2,387	12	1,719	13	2.5	2.6 ***	-0.15	2.6 ***	-0.13	2.6 ***	-0.15		
		2	Some	876	37	6,066	31	6,245	32	4,267	32									
		3	Quite a bit	853	36	7,354	37	7,321	37	4,942	36									
		4	Very much	303	13	4,060	20	3,440	18	2,727	19									
		Total		2,348	100	19,985	100	19,393	100	13,655	100									
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	920	39	7,868	40	7,750	40	5,546	41	1.9	1.9	-0.03	1.9	.01	1.9	.01		
		2	Some	869	37	7,105	35	7,166	37	4,905	36									
		3	Quite a bit	426	18	3,622	18	3,389	17	2,352	17									
		4	Very much	124	5	1,368	7	1,056	5	830	6									
		Total		2,339	100	19,963	100	19,361	100	13,633	100									
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	588	25	3,444	18	3,229	17	2,410	18	2.1	2.4 ***	-0.29	2.4 ***	-0.29	2.4 ***	-0.27		
		2	Some	963	41	7,312	37	7,215	38	5,067	37									
		3	Quite a bit	634	27	6,493	32	6,452	33	4,312	31									
		4	Very much	156	7	2,705	13	2,454	12	1,829	13									
		Total		2,341	100	19,954	100	19,350	100	13,618	100									
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	702	30	4,275	22	4,037	21	2,792	21	2.0	2.3 ***	-0.28	2.3 ***	-0.28	2.3 ***	-0.30		
		2	Some	1,012	43	8,025	40	7,986	42	5,557	41									
		3	Quite a bit	498	21	5,542	28	5,464	28	3,824	28									
		4	Very much	121	5	2,057	10	1,805	9	1,421	10									
		Total		2,333	100	19,899	100	19,292	100	13,594	100									

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

		Frequency Distributions ^a										Statistical Comparisons ^b							
												<i>Your seniors compared with</i>							
		UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group			
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
15. About how many hours do you spend in a typical 7-day week doing the following?																			
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	17	1	135	1	128	1	88	1	17.3	16.1 *** ▲	.13	16.4 *** ▲	.09	16.7 ** ▲	.06	
		3	1-5 hrs	258	11	2,644	14	2,515	13	1,648	12								
		8	6-10 hrs	415	18	3,896	20	3,696	19	2,574	19								
		13	11-15 hrs	374	16	3,577	18	3,407	18	2,417	18								
		18	16-20 hrs	449	19	3,398	17	3,376	17	2,328	17								
		23	21-25 hrs	298	13	2,321	11	2,308	12	1,629	12								
		28	26-30 hrs	178	8	1,554	8	1,582	8	1,138	8								
		33	More than 30 hrs	352	15	2,486	12	2,390	13	1,823	13								
			Total	2,341	100	20,011	100	19,402	100	13,645	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	776	33	8,465	43	8,056	41	5,319	39	5.0	4.5 *** ▲	.07	4.5 ** ▲	.07	4.9	.02	
		3	1-5 hrs	867	37	6,242	31	6,113	31	4,310	31								
		8	6-10 hrs	337	14	2,428	12	2,489	13	1,870	14								
		13	11-15 hrs	161	7	1,292	7	1,256	7	992	7								
		18	16-20 hrs	115	5	711	4	689	4	532	4								
		23	21-25 hrs	42	2	358	2	336	2	262	2								
		28	26-30 hrs	16	1	146	1	137	1	105	1								
		33	More than 30 hrs	19	1	252	1	210	1	184	1								
			Total	2,333	100	19,894	100	19,286	100	13,574	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	1,767	75	15,424	78	15,365	79	10,459	77	2.7	2.5	.03	2.3 ** ▲	.07	2.6	.02	
		3	1-5 hrs	179	8	1,035	5	1,035	5	769	6								
		8	6-10 hrs	153	6	1,490	7	1,257	7	1,014	7								
		13	11-15 hrs	108	5	999	5	803	4	704	5								
		18	16-20 hrs	74	3	497	2	422	2	314	2								
		23	21-25 hrs	25	1	230	1	184	1	146	1								
		28	26-30 hrs	11	0	86	0	97	1	64	0								
		33	More than 30 hrs	30	1	183	1	186	1	151	1								
			Total	2,347	100	19,944	100	19,349	100	13,621	100								

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b															
				UWaterloo				Ontario Universities				U15				Custom group				Your seniors compared with							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e			
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	1,705	73	10,271	51	9,874	53	7,584	56	4.0	8.0 ***	-.39	7.3 ***	-.34	6.6 ***	-.28									
	(Recorded version of tmworkoff created by NSSE.)	3	1-5 hrs	102	4	1,213	6	1,304	7	899	7																
		8	6-10 hrs	111	5	1,785	9	1,919	10	1,235	9																
		13	11-15 hrs	132	6	1,936	10	1,981	10	1,227	9																
		18	16-20 hrs	137	6	1,862	9	1,864	9	1,106	8																
		23	21-25 hrs	54	2	1,202	6	1,003	5	635	5																
		28	26-30 hrs	35	2	615	3	525	3	319	2																
		33	More than 30 hrs	56	2	987	6	786	4	542	4																
		Total			2,332	100	19,871	100	19,256	100	13,547	100															
Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)									6.7	10.4 ***	-.32	9.5 ***	-.25	9.1 ***	-.22									
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	1,368	59	9,639	50	9,781	52	6,496	49	2.9	3.3 ***	-.08	3.0	-.02	3.2 **	-.06									
	(Recorded version of tmservice created by NSSE.)	3	1-5 hrs	580	25	6,426	31	6,220	32	4,518	32																
		8	6-10 hrs	168	7	2,055	10	1,806	9	1,406	10																
		13	11-15 hrs	89	4	749	4	674	4	508	4																
		18	16-20 hrs	62	3	440	2	355	2	292	2																
		23	21-25 hrs	28	1	214	1	154	1	138	1																
		28	26-30 hrs	9	0	78	0	66	0	48	0																
		33	More than 30 hrs	12	1	152	1	93	0	83	1																
		Total			2,316	100	19,753	100	19,149	100	13,489	100															
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	25	1	292	2	241	1	193	2	14.1	12.6 ***	.18	12.6 ***	.17	12.7 ***	.17									
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	336	14	4,045	20	3,686	18	2,646	19																
		8	6-10 hrs	597	26	5,464	27	5,552	28	3,809	28																
		13	11-15 hrs	506	22	4,097	21	4,062	21	2,802	21																
		18	16-20 hrs	405	18	2,741	14	2,686	14	1,908	14																
		23	21-25 hrs	179	8	1,309	7	1,329	7	943	7																
		28	26-30 hrs	75	3	629	3	581	3	435	3																
		33	More than 30 hrs	201	9	1,241	7	1,062	6	780	6																
		Total			2,324	100	19,818	100	19,199	100	13,516	100															

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Ontario Universities		U15		Custom group	
				Count		Count		Count		Count		Mean		Mean		Mean		Mean	
				%		%		%		%		Effect size ^e		Effect size ^e		Effect size ^e		Effect size ^e	
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	1,757	76	13,708	69	14,057	74	9,678	72	2.5	3.3 *** ▽	-0.11	2.6	-0.02	2.7 *	-0.04	
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	228	10	2,830	14	2,546	13	1,879	14								
	8	6-10 hrs	111	5	1,157	6	913	5	709	5									
	13	11-15 hrs	80	4	662	4	513	3	422	3									
	18	16-20 hrs	63	3	442	2	348	2	265	2									
	23	21-25 hrs	28	1	241	1	181	1	142	1									
	28	26-30 hrs	10	0	127	1	121	1	79	1									
	33	More than 30 hrs	30	1	618	3	482	2	311	2									
	Total			2,307	100	19,785	100	19,161	100	13,485	100								
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	117	5	1,195	6	1,040	6	872	7	5.5	6.5 *** ▽	-0.19	6.4 ***	-0.17	6.7 ***	-0.23	
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1,482	64	10,122	50	9,660	49	6,373	46								
	8	6-10 hrs	476	20	5,136	26	5,457	28	3,724	28									
	13	11-15 hrs	122	5	2,187	11	2,129	11	1,713	13									
	18	16-20 hrs	84	4	751	4	636	3	559	4									
	23	21-25 hrs	26	1	286	1	219	1	198	1									
	28	26-30 hrs	8	0	100	1	71	0	62	0									
	33	More than 30 hrs	14	1	158	1	115	1	91	1									
	Total			2,329	100	19,935	100	19,327	100	13,592	100								
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
reading	1	Very little	533	24	3,044	16	3,239	17	2,141	17	2.6	2.9 *** ▽	-0.27	2.9 ***	-0.20	2.9 ***	-0.22		
	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	674	29	4,932	25	4,975	26	3,461								26	
	3	About half	474	20	4,300	22	4,218	22	2,907	21									
	4	Most	411	17	4,788	24	4,428	23	3,214	23									
	5	Almost all	229	10	2,784	14	2,434	12	1,846	13									
	Total		2,321	100	19,848	100	19,294	100	13,569	100									
tmreadinghrs											7.0	7.9 *** ▽	-0.13	7.7 ***	-0.10	7.9 ***	-0.12		
(Continuous variable created by NSSE. Calculated as a proportion of tmprphrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b								
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with						
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario	U15	Custom group	Effect size ^e	Effect size ^e	Effect size ^e		
													Universities	Mean	Mean				Mean	
	tmreadinghrscol	1	0 hrs	17	1	126	1	118	1	80	1									
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	1,139	50	8,361	43	8,473	45	5,685	44									
		3	More than 5, up to 10 hrs	626	27	5,707	29	5,474	28	3,954	29									
		4	More than 10, up to 15 hrs	226	10	2,206	11	2,123	11	1,538	11									
		5	More than 15, up to 20 hrs	156	7	1,600	8	1,408	7	1,028	7									
		6	More than 20, up to 25 hrs	89	4	1,171	6	1,091	6	823	6									
		7	More than 25 hrs	55	2	569	3	511	3	386	3									
		Total		2,308	100	19,740	100	19,198	100	13,494	100									
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																				
a. Writing clearly and effectively	pgwrite	1	Very little	243	11	1,248	7	1,440	8	892	7	2.8	3.0 ***	-0.28	3.0 ***	-0.21	3.0 ***	-0.26		
		2	Some	626	27	3,922	20	4,145	21	2,674	20		▽		▽		▽			
		3	Quite a bit	866	37	7,589	38	7,366	38	5,138	38									
		4	Very much	596	25	7,245	36	6,437	33	4,939	35									
		Total		2,331	100	20,004	100	19,388	100	13,643	100									
b. Speaking clearly and effectively	pgspeak	1	Very little	340	15	1,942	10	2,251	12	1,468	11	2.6	2.8 ***	-0.24	2.7 ***	-0.14	2.8 ***	-0.18		
		2	Some	727	31	5,185	26	5,568	29	3,709	27		▽		▽		▽			
		3	Quite a bit	807	35	7,280	36	6,876	35	4,896	36									
		4	Very much	446	19	5,517	27	4,621	24	3,526	25									
		Total		2,320	100	19,924	100	19,316	100	13,599	100									
c. Thinking critically and analytically	pgthink	1	Very little	59	3	463	3	461	3	328	3	3.2	3.3 ***	-0.10	3.3 ***	-0.07	3.3 ***	-0.10		
		2	Some	347	15	2,425	13	2,516	13	1,730	13		▽		▽		▽			
		3	Quite a bit	932	40	7,316	37	7,359	38	4,859	36									
		4	Very much	986	43	9,737	48	9,001	47	6,685	49									
		Total		2,324	100	19,941	100	19,337	100	13,602	100									
d. Analyzing numerical and statistical information	pganalyze	1	Very little	200	8	3,712	18	3,147	16	2,344	16	3.0	2.6 ***	.31	2.7 ***	.27	2.7 ***	.25		
		2	Some	507	22	5,423	27	5,328	27	3,588	26		▲		▲		▲			
		3	Quite a bit	820	35	5,677	29	5,820	30	3,938	29									
		4	Very much	798	35	5,110	26	5,006	27	3,707	29									
		Total		2,325	100	19,922	100	19,301	100	13,577	100									

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with				
Item wording or description	Variable name ^c	Values ^d	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Ontario Universities		U15		Custom group	
													Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	278	12	3,669	18	3,487	18	2,696	19	2.8	2.5 ***	.32	2.5 ***	.30	2.5 ***	.33
		2	Some	581	25	6,517	32	6,041	31	4,360	32							
		3	Quite a bit	717	31	5,750	29	5,707	29	3,829	28							
		4	Very much	749	32	4,012	20	4,104	21	2,719	20							
		Total		2,325	100	19,948	100	19,339	100	13,604	100							
f. Working effectively with others	pgothers	1	Very little	197	9	1,660	9	1,774	9	1,263	9	2.8	2.8 **	-0.06	2.8	.00	2.8	-0.03
		2	Some	695	30	5,371	27	5,555	29	3,783	28							
		3	Quite a bit	882	38	7,520	38	7,199	37	5,012	37							
		4	Very much	549	24	5,349	26	4,750	24	3,510	26							
		Total		2,323	100	19,900	100	19,278	100	13,568	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	466	20	3,218	17	3,463	19	2,421	19	2.4	2.6 ***	-0.16	2.5 ***	-0.08	2.5 ***	-0.12
		2	Some	789	34	6,034	30	6,090	31	4,035	30							
		3	Quite a bit	690	30	6,377	32	6,014	31	4,253	31							
		4	Very much	375	16	4,295	21	3,741	19	2,868	21							
		Total		2,320	100	19,924	100	19,308	100	13,577	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	458	20	2,981	15	3,330	18	2,123	16	2.4	2.6 ***	-0.21	2.5 ***	-0.10	2.6 ***	-0.18
		2	Some	810	35	5,990	30	6,271	32	4,122	31							
		3	Quite a bit	684	29	6,323	31	5,847	30	4,251	31							
		4	Very much	374	16	4,640	23	3,861	20	3,093	22							
		Total		2,326	100	19,934	100	19,309	100	13,589	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	285	12	2,968	15	2,845	15	2,069	15	2.6	2.6 **	.07	2.6 ***	.07	2.6 ***	.07
		2	Some	750	32	6,488	32	6,296	32	4,419	32							
		3	Quite a bit	795	34	6,464	32	6,365	33	4,398	32							
		4	Very much	490	21	4,026	20	3,815	20	2,711	20							
		Total		2,320	100	19,946	100	19,321	100	13,597	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	595	26	3,254	17	3,348	18	2,363	18	2.3	2.5 ***	-0.28	2.5 ***	-0.22	2.5 ***	-0.24
		2	Some	802	35	6,574	33	6,717	35	4,527	34							
		3	Quite a bit	636	27	6,126	31	5,876	30	4,125	30							
		4	Very much	278	12	3,901	19	3,309	17	2,522	18							
		Total		2,311	100	19,855	100	19,250	100	13,537	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Item wording or description				Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		Ontario Universities		U15		Custom group		UWaterloo		Your seniors compared with				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
Variable name ^c	Values ^d	Response options																
18. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	96	4	739	4	736	4	534	4	3.1	3.0	.01	3.0	.04	3.1	-.01
		2	Fair	387	17	3,322	17	3,367	17	2,224	16							
		3	Good	1,151	49	9,993	50	10,044	51	6,690	49							
		4	Excellent	708	30	5,950	29	5,232	28	4,190	31							
			Total	2,342	100	20,004	100	19,379	100	13,638	100							
19. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	129	6	1,227	6	1,075	6	806	6	3.1	3.0	.03	3.1	-.01	3.1	-.03
		2	Probably no	370	16	3,347	17	3,083	16	2,108	15							
		3	Probably yes	1,033	44	8,414	42	8,521	44	5,794	43							
		4	Definitely yes	802	34	7,039	34	6,716	35	4,951	36							
			Total	2,334	100	20,027	100	19,395	100	13,659	100							

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to p. 2 for key to triangle symbols.

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

First-Year Students

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ				Significance ^k				Effect size ^e			
	UWaterloo	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	Comparisons with:				Comparisons with:				Comparisons with:							
														Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group				
1 a. askquest	3,152	2.31	2.41	2.29	2.36	.015	.004	.004	.005	.84	.86	.85	.85	3,650	43,898	3,914	.000	.491	.000	-.13	.01	-.06							
b. drafts	3,134	2.13	2.25	2.22	2.21	.017	.005	.005	.006	.96	.97	.98	.96	3,616	3,660	3,866	.000	.000	.000	-.12	-.08	-.07							
c. unpreparedr	3,128	2.67	2.74	2.72	2.70	.015	.004	.004	.005	.86	.84	.84	.84	3,571	3,601	3,819	.000	.000	.068	-.09	-.07	-.03							
d. attendart	3,103	1.64	1.63	1.67	1.69	.015	.004	.004	.005	.81	.85	.84	.86	3,611	3,634	3,904	.278	.069	.003	.02	-.03	-.05							
e. CLaskhelp	3,116	2.81	2.59	2.62	2.67	.016	.004	.004	.005	.87	.89	.89	.89	3,601	3,634	3,867	.000	.000	.000	.25	.22	.17							
f. CLexplain	3,081	2.86	2.74	2.71	2.77	.014	.004	.004	.005	.80	.83	.83	.83	3,576	3,604	3,843	.000	.000	.000	.15	.18	.12							
g. CLstudy	3,087	2.71	2.59	2.58	2.58	.017	.005	.005	.006	.95	.98	.98	.97	3,583	3,609	3,835	.000	.000	.000	.13	.14	.14							
h. CLproject	3,081	2.74	2.55	2.58	2.58	.016	.005	.005	.006	.90	.95	.95	.93	3,605	3,639	3,854	.000	.000	.000	.21	.17	.18							
i. present	3,065	1.89	1.85	1.76	1.82	.016	.004	.004	.005	.87	.88	.83	.83	3,534	42,399	30,527	.017	.000	.000	.04	.16	.09							
2 a. RIntegrate	3,040	2.64	2.70	2.67	2.66	.015	.004	.004	.005	.82	.85	.85	.85	3,545	3,569	3,818	.000	.032	.188	-.08	-.04	-.02							
b. RIsocietal	3,025	2.32	2.58	2.53	2.52	.016	.004	.004	.005	.88	.88	.88	.88	3,489	3,520	3,742	.000	.000	.000	-.30	-.24	-.23							
c. RIdiverse	3,003	2.05	2.38	2.23	2.31	.017	.005	.005	.006	.95	.94	.93	.93	3,448	3,469	3,691	.000	.000	.000	-.34	-.19	-.28							
d. Rlownview	3,003	2.47	2.64	2.56	2.60	.016	.004	.004	.005	.87	.84	.85	.85	3,428	41,253	3,681	.000	.000	.000	-.20	-.11	-.16							
e. Rlperspect	2,997	2.60	2.76	2.70	2.73	.016	.004	.004	.005	.88	.85	.85	.85	3,414	3,450	3,657	.000	.000	.000	-.19	-.11	-.14							
f. Rlnewview	2,989	2.78	2.87	2.84	2.85	.015	.004	.004	.005	.82	.81	.80	.81	3,429	3,451	3,679	.000	.000	.000	-.12	-.08	-.09							
g. Rlconnect	2,984	2.93	3.06	3.05	3.05	.015	.004	.004	.005	.81	.78	.78	.78	3,409	3,432	3,649	.000	.000	.000	-.16	-.15	-.15							
3 a. SFcareer	3,002	1.85	1.73	1.69	1.73	.017	.004	.004	.005	.92	.86	.83	.85	3,395	3,402	3,600	.000	.000	.000	.15	.19	.14							
b. SFotherwork	2,997	1.60	1.46	1.41	1.47	.016	.004	.004	.005	.86	.78	.74	.77	3,364	3,354	3,568	.000	.000	.000	.18	.26	.17							
c. SFdiscuss	2,989	1.90	1.78	1.73	1.79	.016	.004	.004	.005	.90	.85	.83	.84	43,658	40,886	3,600	.000	.000	.000	.14	.21	.14							
d. SFperform	2,977	1.79	1.72	1.62	1.67	.016	.004	.004	.005	.88	.83	.78	.80	3,381	3,360	3,559	.000	.000	.000	.08	.21	.15							
4 a. memorize	2,993	2.83	3.00	3.03	2.98	.016	.004	.004	.005	.89	.84	.84	.85	3,403	3,431	3,644	.000	.000	.000	-.20	-.24	-.17							
b. HOapply	2,993	3.15	2.99	3.00	3.05	.015	.004	.004	.005	.81	.84	.84	.83	3,487	3,519	3,751	.000	.000	.000	.19	.18	.12							
c. HOanalyze	2,976	2.91	2.91	2.87	2.92	.016	.004	.004	.005	.86	.86	.86	.87	43,238	40,637	29,092	.891	.028	.657	.00	.04	-.01							
d. HOevaluate	2,964	2.52	2.75	2.61	2.67	.017	.004	.005	.006	.92	.90	.91	.92	3,387	40,565	29,047	.000	.000	.000	-.25	-.10	-.16							
e. HOform	2,967	2.69	2.76	2.68	2.72	.016	.004	.005	.006	.90	.89	.90	.90	3,412	40,486	28,973	.000	.737	.118	-.07	.01	-.03							
5 a. ETgoals	2,991	2.99	2.99	3.01	2.99	.014	.004	.004	.005	.77	.79	.76	.78	43,701	40,905	29,318	.934	.090	.814	.00	-.03	.00							
b. ETorganize	2,973	3.04	2.99	3.00	3.00	.014	.004	.004	.005	.77	.78	.74	.76	43,555	3,425	3,673	.000	.007	.003	.07	.05	.06							
c. ETexample	2,975	3.05	3.00	3.02	3.02	.015	.004	.004	.005	.80	.83	.79	.81	43,427	3,456	29,125	.001	.026	.040	.06	.04	.04							
d. ETdraftfb	2,969	2.24	2.33	2.27	2.29	.017	.005	.005	.006	.95	.96	.94	.95	3,437	40,606	29,124	.000	.072	.009	-.10	-.03	-.05							
e. ETfeedback	2,956	2.45	2.42	2.36	2.39	.017	.005	.005	.006	.90	.92	.90	.90	43,272	40,494	29,007	.079	.000	.002	.03	.10	.06							

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

First-Year Students

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ				Significance ^k				Effect size ^e			
	UWaterloo	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	Comparisons with:				Comparisons with:				Comparisons with:							
														Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group				
6 a. QRconclude	2,986	2.62	2.39	2.41	2.45	.017	.005	.005	.006	.91	.97	.95	.95	3,499	3,519	3,762	.000	.000	.000	.23	.21	.17							
b. QRproblem	2,983	2.19	2.15	2.11	2.14	.017	.005	.005	.006	.92	.93	.93	.93	43,540	40,684	29,182	.017	.000	.003	.05	.08	.06							
c. QRevaluate	2,965	2.26	2.16	2.15	2.19	.016	.005	.005	.006	.89	.92	.90	.90	43,357	40,521	29,046	.000	.000	.000	.11	.12	.07							
7 a. wrshortnum	2,775	6.80	6.05	5.99	6.12	.128	.029	.030	.037	6.77	5.47	5.61	5.65	3,053	3,091	3,243	.000	.000	.000	.13	.14	.12							
b. wrmednum	2,748	3.08	3.13	2.88	2.76	.081	.020	.020	.024	4.23	3.74	3.70	3.61	3,080	3,100	3,237	.511	.020	.000	-.01	.05	.09							
c. wrlongnum	2,694	1.81	1.53	1.47	1.35	.071	.019	.019	.023	3.70	3.50	3.38	3.41	3,081	3,082	3,277	.000	.000	.000	.08	.10	.13							
— wrpages	2,626	69.44	62.48	59.56	56.72	1.653	.404	.413	.487	84.70	74.37	73.09	71.52	2,947	2,963	3,098	.000	.000	.000	.09	.13	.17							
8 a. DDrace	2,868	3.25	3.16	3.09	3.22	.017	.005	.005	.006	.90	.91	.93	.89	41,215	38,432	27,456	.000	.000	.112	.10	.17	.03							
b. DDeconomic	2,856	3.06	3.02	2.95	3.04	.017	.005	.005	.006	.91	.92	.93	.91	41,044	38,276	27,352	.013	.000	.254	.05	.12	.02							
c. DDreligion	2,855	3.14	3.04	2.94	3.07	.017	.005	.005	.006	.93	.95	.98	.94	40,999	3,377	27,315	.000	.000	.001	.10	.20	.07							
d. DDpolitical	2,836	2.90	2.86	2.84	2.88	.018	.005	.005	.006	.98	.97	.97	.96	40,796	38,051	27,172	.031	.001	.221	.04	.07	.02							
9 a. LSreading	2,849	2.98	3.06	3.07	3.06	.015	.004	.004	.005	.82	.79	.80	.79	40,980	3,310	27,307	.000	.000	.000	-.10	-.11	-.09							
b. LSnotes	2,840	2.59	2.58	2.62	2.58	.017	.005	.005	.006	.90	.91	.92	.91	40,846	3,334	27,229	.358	.112	.597	.02	-.03	.01							
c. LSsummary	2,797	2.69	2.69	2.73	2.70	.017	.005	.005	.006	.92	.92	.93	.92	40,402	37,762	26,916	.985	.026	.451	.00	-.04	-.02							
10. challenge	2,842	5.50	5.42	5.44	5.41	.023	.006	.006	.008	1.23	1.21	1.20	1.21	40,851	38,078	27,197	.000	.005	.000	.07	.06	.07							
11 a. intern ^l	2,857	.254	.066	.075	.065	.0081	.0013	.0014	.0016	--	--	--	--	--	--	--	.000	.000	.000	.54	.50	.54							
b. leader ^l	2,849	.126	.087	.090	.098	.0062	.0014	.0015	.0019	--	--	--	--	--	--	--	.000	.000	.000	.13	.12	.09							
c. learncom ^l	2,839	.150	.094	.106	.107	.0067	.0015	.0016	.0020	--	--	--	--	--	--	--	.000	.000	.000	.17	.13	.13							
d. abroad ^l	2,842	.029	.027	.025	.024	.0032	.0008	.0008	.0010	--	--	--	--	--	--	--	.376	.126	.093	.02	.03	.03							
e. research ^l	2,822	.038	.031	.035	.034	.0036	.0009	.0010	.0012	--	--	--	--	--	--	--	.036	.396	.203	.04	.02	.02							
f. capstone ^l	2,816	.027	.025	.023	.023	.0031	.0008	.0008	.0010	--	--	--	--	--	--	--	.463	.167	.228	.01	.03	.02							
12. servcourse	2,789	1.48	1.52	1.43	1.48	.013	.003	.003	.004	.69	.67	.62	.64	40,258	3,169	3,377	.001	.001	.985	-.06	.07	.00							
13 a. QIstudent	2,826	5.61	5.53	5.54	5.53	.026	.007	.007	.009	1.36	1.41	1.38	1.36	3,295	37,821	27,030	.001	.004	.003	.06	.06	.06							
b. QIadvisor	2,404	4.82	4.59	4.61	4.62	.035	.010	.011	.012	1.74	1.79	1.78	1.75	2,809	2,869	22,418	.000	.000	.000	.13	.12	.12							
c. QIfaculty	2,682	4.98	4.74	4.79	4.78	.030	.009	.009	.011	1.55	1.66	1.58	1.59	3,152	3,148	3,375	.000	.000	.000	.15	.13	.13							
d. QIstaff	2,502	4.94	4.59	4.66	4.67	.033	.010	.011	.012	1.65	1.83	1.74	1.74	3,016	3,037	3,244	.000	.000	.000	.19	.16	.15							
e. QIadmin	2,424	4.71	4.58	4.63	4.62	.034	.010	.010	.012	1.69	1.79	1.73	1.71	2,837	2,870	3,039	.000	.026	.015	.07	.05	.05							
14 a. empstudy	2,736	3.34	3.18	3.25	3.25	.014	.004	.004	.005	.71	.76	.74	.75	38,659	35,923	25,632	.000	.000	.000	.21	.13	.12							
b. SEacademic	2,727	3.01	2.92	2.86	2.88	.016	.005	.005	.006	.81	.86	.83	.84	3,210	3,218	3,474	.000	.000	.000	.10	.17	.15							
c. SElearnsup	2,711	2.91	2.89	2.79	2.86	.017	.005	.005	.006	.89	.91	.90	.90	3,158	3,185	25,415	.414	.000	.004	.02	.14	.06							

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

First-Year Students

Variable Name	N					Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ				Significance ^k				Effect size ^e			
	UWaterloo	UWaterloo	Mean		Custom group	UWaterloo	Ontario Universities		U15	Custom group	UWaterloo	Ontario Universities		U15	Custom group	Comparisons with:			Comparisons with:			Comparisons with:			
			Ontario Universities	U15			UWaterloo	Ontario Universities				U15	Custom group			Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	
d. SEdiverse	2,725	2.49	2.48	2.40	2.49	.019	.005	.005	.007	.97	.99	.97	.98	3,173	35,782	25,497	.434	.000	.868	.02	.09	.00			
e. SEsocial	2,729	2.71	2.78	2.74	2.80	.017	.005	.005	.006	.90	.92	.90	.90	38,435	35,712	3,413	.000	.083	.000	-.08	-.03	-.10			
f. SEwellness	2,710	2.80	2.77	2.75	2.80	.017	.005	.005	.006	.88	.93	.92	.92	3,186	3,209	3,450	.102	.004	.738	.03	.06	.01			
g. SEnonacad	2,711	2.27	2.18	2.13	2.15	.018	.005	.005	.006	.93	.96	.93	.94	38,206	3,180	25,339	.000	.000	.000	.10	.15	.12			
h. SEactivities	2,709	2.41	2.58	2.60	2.58	.018	.005	.005	.006	.91	.95	.92	.92	3,173	35,477	25,275	.000	.000	.000	-.18	-.20	-.18			
i. SEevents	2,683	2.22	2.34	2.37	2.37	.017	.005	.005	.006	.90	.94	.92	.92	3,143	3,159	3,376	.000	.000	.000	-.13	-.15	-.16			
15 a. tmprephrs	2,728	18.67	15.50	16.51	16.78	.187	.049	.051	.062	9.77	9.17	9.28	9.28	3,105	3,147	3,344	.000	.000	.000	.34	.23	.20			
b. tmcocurrhrs	2,717	4.75	3.80	3.67	3.95	.118	.030	.030	.038	6.13	5.69	5.51	5.68	3,087	3,092	3,304	.000	.000	.000	.17	.19	.14			
c. tmworkonhrs	2,728	1.48	1.05	.94	1.03	.096	.022	.021	.027	5.03	4.11	3.86	4.05	3,013	2,999	3,167	.000	.000	.000	.10	.13	.11			
d. tmworkoffhrs	2,713	2.27	4.50	4.45	3.35	.117	.043	.043	.046	6.09	8.15	7.74	6.88	3,503	3,478	3,596	.000	.000	.000	-.28	-.29	-.16			
— tmworkhrs	2,705	3.69	5.46	5.33	4.30	.191	.053	.052	.060	9.93	9.92	9.33	8.95	3,133	3,112	3,254	.000	.000	.002	-.18	-.17	-.07			
e. tmservicehrs	2,692	2.25	2.22	2.03	2.08	.103	.025	.024	.030	5.37	4.71	4.38	4.42	3,018	2,996	3,147	.725	.038	.110	.01	.05	.04			
f. tmrelaxhrs	2,705	13.37	13.35	12.92	13.13	.168	.048	.047	.058	8.76	8.93	8.53	8.64	3,150	3,145	25,155	.916	.009	.166	.00	.05	.03			
g. tmcarehrs	2,692	2.11	3.09	2.45	2.46	.111	.036	.033	.038	5.77	6.69	5.96	5.70	3,270	3,185	25,069	.000	.004	.003	-.15	-.06	-.06			
h. tmcommutehrs	2,703	4.76	6.08	6.05	6.24	.110	.033	.032	.041	5.71	6.30	5.79	6.23	3,226	3,179	3,519	.000	.000	.000	-.21	-.22	-.24			
16. reading	2,695	2.47	2.90	2.85	2.83	.024	.007	.007	.008	1.23	1.23	1.23	1.23	37,855	35,296	25,090	.000	.000	.000	-.35	-.31	-.30			
— tmreadinghrs	2,682	7.13	7.60	7.84	7.90	.126	.036	.038	.045	6.54	6.68	6.76	6.77	3,125	3,173	3,410	.000	.000	.000	-.07	-.10	-.11			
17 a. pgwrite	2,726	2.44	2.64	2.54	2.56	.018	.005	.005	.006	.94	.92	.94	.94	3,135	35,571	25,347	.000	.000	.000	-.22	-.10	-.13			
b. pgspeak	2,707	2.33	2.40	2.24	2.30	.018	.005	.005	.006	.96	.97	.96	.97	38,110	35,400	25,212	.001	.000	.126	-.07	.10	.03			
c. pgthink	2,717	3.13	3.04	2.99	3.05	.015	.004	.005	.006	.81	.84	.84	.84	38,137	3,230	25,270	.000	.000	.000	.10	.16	.09			
d. pganalyze	2,723	2.86	2.45	2.53	2.56	.019	.006	.006	.007	.99	1.04	1.02	1.03	3,206	3,226	3,476	.000	.000	.000	.40	.33	.30			
e. pgwork	2,719	2.72	2.34	2.34	2.29	.019	.005	.005	.007	.99	.99	.98	.98	38,149	35,467	25,266	.000	.000	.000	.39	.38	.43			
f. pgothers	2,715	2.69	2.58	2.52	2.57	.018	.005	.005	.006	.92	.96	.95	.94	3,180	3,212	3,439	.000	.000	.000	.11	.18	.13			
g. pgvalues	2,719	2.42	2.45	2.35	2.40	.019	.005	.005	.007	.99	.98	.97	.98	38,052	3,168	25,221	.182	.000	.287	-.03	.08	.02			
h. pgdiverse	2,714	2.38	2.51	2.40	2.49	.019	.005	.005	.007	1.00	1.00	.99	1.00	38,139	35,393	25,224	.000	.229	.000	-.14	-.02	-.11			
i. pgprobsolve	2,714	2.61	2.47	2.45	2.47	.018	.005	.005	.006	.95	.97	.96	.96	3,163	35,399	25,215	.000	.000	.000	.14	.17	.15			
j. pgcitizen	2,703	2.32	2.45	2.38	2.40	.019	.005	.005	.006	.97	.98	.95	.96	37,953	35,279	25,142	.000	.001	.000	-.13	-.06	-.08			
18. evalexp	2,725	3.16	3.02	3.03	3.05	.014	.004	.004	.005	.75	.76	.75	.76	3,166	3,187	3,427	.000	.000	.000	.18	.17	.15			
19. sameinst	2,727	3.28	3.18	3.24	3.23	.014	.004	.004	.005	.74	.79	.76	.77	38,335	35,590	25,342	.000	.007	.003	.13	.05	.06			

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j				Significance ^k				Effect size ^e			
														Comparisons with:				Comparisons with:				Comparisons with:							
	UWaterloo	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	UWaterloo	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group	Ontario Universities	U15	Custom group				
1 a. askquest	2,681	2.57	2.81	2.71	2.75	.018	.005	.005	.006	.91	.92	.93	.93	32,030	3,174	3,327	.000	.000	.000	-.26	-.15	-.19							
b. drafts	2,677	2.10	2.29	2.22	2.24	.019	.006	.006	.007	.96	1.03	1.03	1.04	3,271	3,232	3,404	.000	.000	.000	-.19	-.12	-.14							
c. unpreparedr	2,666	2.57	2.68	2.66	2.63	.017	.005	.005	.005	.86	.85	.84	.85	3,153	3,115	3,251	.000	.000	.000	-.14	-.11	-.08							
d. attendart	2,656	1.71	1.73	1.79	1.79	.016	.005	.005	.006	.82	.89	.88	.89	3,247	3,196	3,372	.194	.000	.000	-.02	-.09	-.10							
e. CLaskhelp	2,646	2.56	2.39	2.41	2.44	.017	.005	.005	.006	.88	.88	.88	.89	3,141	33,806	26,831	.000	.000	.000	.19	.16	.14							
f. CLexplain	2,622	2.71	2.73	2.68	2.71	.016	.005	.005	.005	.80	.83	.83	.84	3,162	3,121	3,283	.380	.031	.659	-.02	.04	.01							
g. CLstudy	2,617	2.55	2.51	2.48	2.49	.018	.006	.006	.006	.94	.99	.98	.99	3,166	3,121	3,286	.047	.001	.001	.04	.07	.06							
h. CLproject	2,618	2.88	2.85	2.85	2.85	.017	.006	.005	.006	.88	.94	.95	.94	3,185	3,158	3,316	.123	.062	.107	.03	.04	.03							
i. present	2,608	2.40	2.71	2.58	2.60	.018	.006	.005	.006	.92	.95	.94	.93	3,133	3,089	3,218	.000	.000	.000	-.33	-.19	-.22							
2 a. RIntegrate	2,590	2.77	2.96	2.91	2.91	.016	.005	.005	.006	.82	.82	.83	.84	3,091	3,067	25,911	.000	.000	.000	-.23	-.17	-.16							
b. RIsocietal	2,562	2.39	2.77	2.70	2.70	.018	.005	.005	.006	.91	.90	.91	.92	30,361	32,326	25,629	.000	.000	.000	-.42	-.34	-.34							
c. RIdiverse	2,564	2.10	2.53	2.39	2.44	.018	.006	.006	.007	.93	.98	.98	.99	3,116	3,078	3,252	.000	.000	.000	-.43	-.29	-.34							
d. Rlownview	2,558	2.48	2.74	2.67	2.69	.017	.005	.005	.006	.86	.85	.86	.87	3,047	32,257	25,555	.000	.000	.000	-.30	-.22	-.24							
e. Rlperspect	2,551	2.62	2.83	2.77	2.78	.017	.005	.005	.006	.86	.85	.86	.86	3,019	2,998	3,145	.000	.000	.000	-.25	-.17	-.18							
f. RInewview	2,545	2.74	2.94	2.89	2.91	.015	.005	.005	.005	.78	.79	.79	.80	3,044	3,014	3,165	.000	.000	.000	-.24	-.18	-.20							
g. RIconnect	2,527	2.93	3.14	3.11	3.11	.016	.005	.004	.005	.78	.77	.77	.78	30,022	31,933	3,111	.000	.000	.000	-.28	-.24	-.24							
3 a. SFcareer	2,535	1.94	2.08	2.01	2.03	.017	.006	.005	.006	.86	.93	.90	.91	3,102	32,055	3,195	.000	.000	.000	-.15	-.07	-.10							
b. SFotherwork	2,526	1.68	1.70	1.66	1.70	.018	.006	.005	.006	.89	.93	.90	.92	3,059	31,929	3,155	.504	.158	.358	-.01	.03	-.02							
c. SFdiscuss	2,526	1.96	2.06	1.99	2.03	.017	.005	.005	.006	.87	.91	.88	.89	3,058	31,934	25,295	.000	.053	.000	-.11	-.04	-.08							
d. SFperform	2,517	1.76	1.95	1.81	1.84	.016	.005	.005	.006	.82	.88	.84	.85	29,972	31,812	25,190	.000	.005	.000	-.22	-.06	-.10							
4 a. memorize	2,536	2.81	2.83	2.89	2.84	.017	.006	.005	.006	.88	.91	.91	.92	3,064	31,970	3,190	.266	.000	.248	-.02	-.08	-.02							
b. HOapply	2,527	2.98	3.00	2.97	2.98	.016	.005	.005	.006	.82	.83	.84	.85	29,969	31,833	3,165	.150	.655	.971	-.03	.01	.00							
c. HOanalyze	2,506	2.83	2.98	2.91	2.93	.017	.005	.005	.006	.85	.86	.88	.88	2,998	31,711	25,059	.000	.000	.000	-.17	-.09	-.11							
d. HOevaluate	2,516	2.54	2.85	2.74	2.77	.018	.005	.005	.006	.90	.90	.92	.92	2,991	31,690	25,084	.000	.000	.000	-.34	-.22	-.25							
e. HOform	2,506	2.62	2.82	2.75	2.77	.018	.005	.005	.006	.88	.90	.90	.90	2,997	31,644	25,016	.000	.000	.000	-.23	-.14	-.17							
5 a. ETgoals	2,534	2.92	3.03	3.02	3.02	.015	.005	.004	.005	.76	.77	.76	.77	3,022	2,978	3,126	.000	.000	.000	-.14	-.14	-.14							
b. ETorganize	2,528	2.92	3.00	2.99	2.99	.015	.005	.004	.005	.75	.76	.74	.76	29,998	2,968	3,130	.000	.000	.000	-.10	-.09	-.08							
c. ETexample	2,521	2.96	2.99	2.99	2.99	.016	.005	.005	.005	.79	.81	.79	.81	29,913	31,754	25,124	.160	.081	.126	-.03	-.04	-.03							
d. ETdraftfb	2,523	2.23	2.41	2.29	2.32	.019	.006	.006	.006	.95	.98	.96	.96	3,038	2,984	3,136	.000	.002	.000	-.18	-.06	-.09							
e. ETfeedback	2,502	2.51	2.55	2.47	2.51	.017	.005	.005	.006	.86	.90	.89	.89	3,023	2,980	3,121	.024	.008	.897	-.05	.05	.00							

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j				Significance ^k				Effect size ^e			
	UWaterloo	UWaterloo	Ontario Universities		Custom group	UWaterloo	Ontario Universities		Custom group	UWaterloo	Ontario Universities		Custom group	Comparisons with:				Comparisons with:				Comparisons with:							
			U15	U15			U15	U15			U15	U15		U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15		
6 a. QRconclude	2,526	2.63	2.45	2.45	2.46	.018	.006	.006	.007	.91	.99	.99	.99	3,108	3,065	3,234	.000	.000	.000	.18	.19	.18							
b. QRproblem	2,518	2.26	2.22	2.20	2.20	.019	.006	.006	.006	.94	.98	.97	.97	3,035	31,815	25,157	.074	.003	.005	.04	.06	.06							
c. QRevaluate	2,516	2.36	2.32	2.31	2.33	.018	.006	.006	.006	.91	.96	.95	.96	3,056	3,013	3,176	.025	.005	.115	.04	.06	.03							
7 a. wrshortnum	2,345	6.54	7.22	6.76	6.94	.130	.040	.038	.043	6.30	6.34	6.14	6.18	27,242	28,833	22,772	.000	.099	.003	-.11	-.04	-.07							
b. wrmednum	2,343	4.23	4.83	4.30	4.50	.098	.029	.026	.031	4.74	4.56	4.32	4.41	27,586	2,694	22,962	.000	.521	.007	-.13	-.01	-.06							
c. wrlongnum	2,334	3.37	3.19	2.95	2.88	.097	.027	.025	.028	4.70	4.26	4.06	4.02	2,707	2,652	2,743	.076	.000	.000	.04	.10	.12							
— wrpages	2,244	100.95	104.88	95.70	96.92	2.234	.616	.568	.651	105.83	94.76	89.89	90.35	2,595	2,542	2,638	.090	.023	.084	-.04	.06	.04							
8 a. DDrace	2,446	3.19	3.21	3.17	3.27	.018	.005	.005	.006	.88	.89	.91	.87	28,821	2,912	24,017	.203	.304	.000	-.03	.02	-.09							
b. DDeconomic	2,436	3.00	3.08	3.01	3.08	.018	.006	.005	.006	.89	.89	.90	.89	2,905	30,342	3,008	.000	.761	.000	-.09	-.01	-.09							
c. DDreligion	2,432	3.01	3.10	3.00	3.10	.019	.006	.006	.006	.92	.92	.95	.92	2,894	2,894	3,003	.000	.641	.000	-.10	.01	-.10							
d. DDpolitical	2,412	2.86	2.97	2.94	2.96	.019	.006	.006	.006	.93	.93	.92	.92	28,504	2,839	2,974	.000	.000	.000	-.12	-.08	-.10							
9 a. LSreading	2,429	2.99	3.18	3.14	3.15	.017	.005	.005	.006	.83	.80	.82	.81	2,860	2,857	2,983	.000	.000	.000	-.24	-.19	-.20							
b. LSnotes	2,421	2.44	2.48	2.49	2.49	.019	.006	.006	.007	.92	.95	.96	.95	2,911	2,888	3,031	.034	.006	.014	-.04	-.06	-.05							
c. LSsummary	2,401	2.58	2.67	2.67	2.67	.019	.006	.006	.006	.92	.94	.96	.95	2,894	2,876	3,010	.000	.000	.000	-.09	-.10	-.10							
10. challenge	2,413	5.29	5.39	5.33	5.36	.025	.007	.007	.008	1.22	1.21	1.21	1.21	28,579	30,213	23,798	.000	.062	.004	-.09	-.04	-.06							
11 a. intern ^l	2,427	.655	.438	.479	.484	.0096	.0031	.0030	.0034	--	--	--	--	--	--	--	.000	.000	.000	.44	.36	.35							
b. leader ^l	2,427	.338	.324	.345	.374	.0096	.0029	.0029	.0033	--	--	--	--	--	--	--	.171	.471	.000	.03	-.02	-.08							
c. learncom ^l	2,409	.195	.182	.188	.201	.0081	.0024	.0023	.0027	--	--	--	--	--	--	--	.110	.395	.504	.03	.02	-.01							
d. abroad ^l	2,405	.104	.097	.128	.134	.0062	.0018	.0020	.0023	--	--	--	--	--	--	--	.241	.001	.000	.02	-.07	-.09							
e. research ^l	2,406	.245	.234	.259	.265	.0088	.0026	.0026	.0030	--	--	--	--	--	--	--	.200	.159	.037	.03	-.03	-.05							
f. capstone ^l	2,402	.318	.331	.317	.341	.0095	.0029	.0028	.0033	--	--	--	--	--	--	--	.175	.935	.024	-.03	.00	-.05							
12. servcourse	2,387	1.43	1.54	1.46	1.50	.013	.004	.004	.004	.63	.65	.61	.63	2,873	30,013	2,960	.000	.014	.000	-.16	-.05	-.11							
13 a. QIstudent	2,408	5.51	5.67	5.63	5.59	.027	.008	.008	.009	1.34	1.33	1.31	1.35	28,461	30,138	23,739	.000	.000	.006	-.12	-.09	-.06							
b. QIadvisor	2,232	4.64	4.64	4.51	4.48	.037	.012	.012	.013	1.76	1.82	1.82	1.82	2,710	2,697	2,817	.975	.001	.000	.00	.07	.09							
c. QIfaculty	2,360	5.00	5.15	5.07	5.07	.030	.009	.009	.010	1.47	1.49	1.48	1.51	2,822	29,617	2,943	.000	.019	.020	-.10	-.05	-.05							
d. QIstaff	2,117	4.57	4.55	4.55	4.52	.036	.012	.012	.013	1.66	1.78	1.73	1.74	2,628	2,576	2,712	.507	.493	.184	.01	.02	.03							
e. QIadmin	2,289	4.59	4.56	4.55	4.53	.034	.011	.011	.012	1.62	1.75	1.71	1.72	2,809	2,784	2,937	.451	.279	.133	.02	.02	.03							
14 a. empstudy	2,362	3.36	3.18	3.26	3.27	.015	.005	.005	.005	.74	.78	.75	.76	27,562	29,081	22,928	.000	.000	.000	.24	.14	.12							
b. SEacademic	2,339	2.62	2.68	2.61	2.60	.017	.005	.005	.006	.83	.86	.84	.87	27,387	28,923	2,955	.001	.484	.280	-.07	.02	.02							
c. SElearnsup	2,340	2.41	2.62	2.48	2.52	.018	.006	.005	.006	.88	.92	.90	.91	2,841	2,787	2,944	.000	.000	.000	-.22	-.08	-.12							

NSSE 2014 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Waterloo

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j				Significance ^k				Effect size ^e			
	UWaterloo	UWaterloo	Ontario Universities		Custom group	UWaterloo	Ontario Universities		U15	Custom group	UWaterloo	Ontario Universities		U15	Custom group	Comparisons with:				Comparisons with:				Comparisons with:					
			U15	U15			U15	U15				U15	U15			U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15	U15
d. SEdiverse	2,347	2.20	2.32	2.22	2.28	.020	.006	.006	.007	.95	.99	.96	.99	2,840	28,956	2,961	.000	.355	.000	-.12	-.02	-.08							
e. SEsocial	2,349	2.41	2.66	2.63	2.66	.018	.006	.006	.006	.89	.92	.91	.93	2,844	28,986	2,967	.000	.000	.000	-.27	-.24	-.27							
f. SEwellness	2,340	2.48	2.63	2.60	2.62	.018	.006	.006	.007	.88	.94	.92	.94	2,863	2,805	2,980	.000	.000	.000	-.15	-.13	-.15							
g. SEnonacad	2,332	1.90	1.92	1.88	1.89	.018	.006	.005	.006	.88	.92	.88	.90	2,823	28,819	22,724	.186	.509	.652	-.03	.01	.01							
h. SEactivities	2,334	2.15	2.41	2.41	2.40	.018	.006	.006	.007	.88	.93	.91	.93	2,846	2,797	2,966	.000	.000	.000	-.29	-.29	-.27							
i. SEevents	2,326	2.01	2.27	2.26	2.28	.018	.006	.005	.006	.85	.91	.89	.91	2,847	2,796	2,962	.000	.000	.000	-.28	-.28	-.30							
15 a. tmprephrs	2,334	17.31	16.10	16.43	16.69	.200	.061	.059	.068	9.67	9.59	9.58	9.65	27,366	28,858	22,727	.000	.000	.003	.13	.09	.06							
b. tmcocurrhrs	2,326	4.98	4.51	4.55	4.88	.131	.042	.040	.048	6.34	6.62	6.50	6.77	27,218	28,700	2,967	.001	.002	.463	.07	.07	.02							
c. tmworkonhrs	2,340	2.74	2.53	2.33	2.60	.129	.038	.036	.042	6.24	5.95	5.79	6.03	27,302	2,707	22,710	.121	.002	.289	.03	.07	.02							
d. tmworkoffhrs	2,324	4.02	8.01	7.26	6.64	.168	.066	.060	.068	8.09	10.39	9.76	9.62	3,087	2,955	3,129	.000	.000	.000	-.39	-.34	-.28							
— tmworkhrs	2,319	6.69	10.42	9.48	9.13	.239	.074	.068	.078	11.49	11.64	10.97	11.11	2,785	2,706	2,841	.000	.000	.000	-.32	-.25	-.22							
e. tmservicehrs	2,308	2.89	3.32	2.97	3.22	.113	.035	.031	.037	5.44	5.51	4.98	5.27	27,025	2,659	22,471	.000	.514	.005	-.08	-.02	-.06							
f. tmrelaxhrs	2,317	14.09	12.57	12.63	12.65	.182	.054	.051	.059	8.75	8.54	8.30	8.40	2,745	2,697	2,828	.000	.000	.000	.18	.17	.17							
g. tmcarehrs	2,300	2.46	3.28	2.61	2.74	.126	.047	.041	.047	6.05	7.33	6.62	6.62	2,963	28,492	22,444	.000	.296	.049	-.11	-.02	-.04							
h. tmcommutehrs	2,322	5.46	6.53	6.37	6.73	.105	.036	.032	.039	5.04	5.65	5.24	5.57	2,893	2,780	3,007	.000	.000	.000	-.19	-.17	-.23							
16. reading	2,313	2.60	2.94	2.86	2.88	.027	.008	.008	.009	1.28	1.29	1.29	1.29	27,118	28,693	22,584	.000	.000	.000	-.27	-.20	-.22							
— tmreadinghrs	2,301	7.05	7.91	7.73	7.87	.134	.044	.042	.048	6.45	6.89	6.79	6.83	2,813	2,767	2,922	.000	.000	.000	-.13	-.10	-.12							
17 a. pgwrite	2,324	2.77	3.03	2.96	3.01	.020	.006	.006	.006	.94	.90	.92	.92	2,733	2,727	2,844	.000	.000	.000	-.28	-.21	-.26							
b. pgspeak	2,313	2.58	2.81	2.71	2.75	.020	.006	.006	.007	.96	.95	.96	.96	2,751	28,744	2,862	.000	.000	.000	-.24	-.14	-.18							
c. pgthink	2,317	3.22	3.31	3.28	3.30	.016	.005	.005	.006	.79	.79	.79	.79	27,290	28,760	2,871	.000	.001	.000	-.10	-.07	-.10							
d. pganalyze	2,318	2.96	2.64	2.69	2.70	.020	.007	.006	.007	.95	1.06	1.03	1.05	2,879	2,824	3,007	.000	.000	.000	.31	.27	.25							
e. pgwork	2,318	2.83	2.51	2.53	2.50	.021	.006	.006	.007	1.01	1.01	1.02	1.02	2,763	2,743	2,881	.000	.000	.000	.32	.30	.33							
f. pgothers	2,316	2.76	2.82	2.76	2.79	.019	.006	.006	.007	.91	.92	.92	.93	27,233	28,686	22,604	.007	.913	.164	-.06	.00	-.03							
g. pgvalues	2,313	2.41	2.57	2.50	2.53	.020	.006	.006	.007	.99	1.00	1.00	1.02	27,256	2,749	2,903	.000	.000	.000	-.16	-.08	-.12							
h. pgdiverse	2,318	2.41	2.62	2.52	2.59	.020	.006	.006	.007	.98	1.00	1.00	1.01	2,787	2,758	2,905	.000	.000	.000	-.21	-.10	-.18							
i. pgprobsolve	2,313	2.65	2.58	2.58	2.57	.020	.006	.006	.007	.95	.98	.97	.97	2,785	2,752	2,897	.002	.001	.001	.07	.07	.07							
j. pgcitizen	2,304	2.25	2.53	2.46	2.49	.020	.006	.006	.007	.97	.99	.97	.99	2,760	2,723	2,870	.000	.000	.000	-.28	-.22	-.24							
18. evalexp	2,335	3.05	3.04	3.02	3.06	.017	.005	.005	.006	.80	.79	.78	.79	27,383	2,741	22,723	.583	.089	.642	.01	.04	-.01							
19. sameinst	2,327	3.07	3.04	3.08	3.09	.018	.006	.005	.006	.85	.88	.85	.86	27,406	28,853	22,740	.196	.519	.184	.03	-.01	-.03							

Endnotes

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