
NSSE 2023

Frequencies and Statistical Comparisons

University of Waterloo

NSSE 2023 Frequencies and Statistical Comparisons

About This Report

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

- Class level:** As reported by your institution.
- Item numbers:** Numbering corresponds to the instrument available on the NSSE website.


- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.

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

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

Note: Column percentages and statistics are weighted by institution-reported sex and enrollment status. Comparison group statistics are also weighted by institutional size. Counts are unweighted and cannot be used to replicate column percentages. For details visit: go.iu.edu/NSSE-weights

- 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 will generate more statistically significant results even when the magnitude of mean differences are inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Unless otherwise noted, statistical comparisons are two-tailed independent t -tests. Exceptions are items 11 a-f which are compared using a z -test.



NSSE Frequencies and Statistical Comparisons

NSSEville State University

Seniors		Frequency Distributions ^a										Statistical Comparisons ^b							
		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE Cohort		NSSEville State	Admissions Overlap	Carnegie UG Program	NSSE Cohort						
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. 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	3	0	244	2	54	2	6,952	3	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
		2	Sometimes	135	20	4,397	27	845	29	75,222	33								
		3	Often	112	33	5,947	37	1,086	38	81,724	35								
		4	Very often	280	46	5,440	34	889	31	66,983	29								
			Total	630	100	16,028	100	2,874	100	230,881	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
		2	Sometimes	267	42	5,959	37	978	34	79,495	34								
		3	Often	164	26	4,548	29	858	31	67,348	29								
		4	Very often	113	19	3,072	20	611	1	7,208	21								
			Total	626	100	17,948	100	1,881	100	229,541	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6	3.1	3.1	.02	3.1	-.04	3.0	.06	
		2	Sometimes	56	9	1,666	11	262	10	28,134	13								
		3	Often	384	63	9,147	57	1,586	57	128,802	56								
		4	Very often	150	24	4,267	27	851	29	58,873	26								
			Total	615	100	15,858	100	2,833	100	228,352	100								

- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large (NSSE adjusts this to .1/.3/.5 for the Engagement Indicators). A positive effect size indicates that your institution's mean was greater than that of the comparison group, thus showing a favorable result for your institution. A negative effect size indicates your institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention. Effect sizes for independent t -tests use Cohen's d ; z -tests use Cohen's h . Cohen's d is calculated by dividing the mean difference by the pooled standard deviation. Cohen's h is calculated by taking the difference in the proportion of students who responded "Done or in progress" after the proportion has been transformed using a non-linear (arcsine) transformation. See: Cohen, J. (1988). *Statistical power analysis for the behavioral sciences (2nd edition)*. New York: Psychology Press.

8. Key to symbols:

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

Note: It is important to interpret the direction of differences relative to item wording and your institutional context. You may not see all of these symbols in your report.

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
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	329	11	3,920	13	2,994	10	1,541	11	2.4							
		2	Sometimes	1,512	51	15,067	52	13,874	49	6,716	52								
		3	Often	775	26	6,772	24	7,343	27	3,130	25								
		4	Very often	361	12	3,278	12	3,711	14	1,515	12								
		Total		2,977	100	29,037	100	27,922	100	12,902	100								
b. Asked another student to help you understand course material	CLaskhelp	1	Never	187	6	2,871	10	2,851	10	1,225	9	2.8							
		2	Sometimes	924	31	10,732	37	10,419	37	4,774	37								
		3	Often	1,086	36	9,642	33	9,110	33	4,288	33								
		4	Very often	779	26	5,724	20	5,463	20	2,594	21								
		Total		2,976	100	28,969	100	27,843	100	12,881	100								
c. Explained course material to one or more students	CLexplain	1	Never	134	5	2,030	7	2,019	7	844	6	2.8							
		2	Sometimes	1,045	35	11,284	38	10,758	38	4,999	38								
		3	Often	1,178	39	10,583	36	10,044	36	4,738	37								
		4	Very often	615	21	5,006	18	4,970	18	2,267	19								
		Total		2,972	100	28,903	100	27,791	100	12,848	100								
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	361	12	4,578	16	4,771	17	1,933	15	2.7							
		2	Sometimes	918	31	9,813	34	9,480	34	4,468	34								
		3	Often	1,000	33	8,745	30	8,181	29	3,933	31								
		4	Very often	689	23	5,632	20	5,241	19	2,459	20								
		Total		2,968	100	28,768	100	27,673	100	12,793	100								
e. Worked with other students on course projects or assignments	CLproject	1	Never	228	8	3,375	12	3,468	13	1,488	12	2.7							
		2	Sometimes	962	32	9,920	34	10,311	37	4,707	36								
		3	Often	1,100	37	9,343	33	8,678	31	4,105	32								
		4	Very often	668	23	5,991	21	5,087	19	2,434	20								
		Total		2,958	100	28,629	100	27,544	100	12,734	100								
f. Given a course presentation	present	1	Never	692	24	13,026	44	12,052	43	6,129	46	2.0							
		2	Sometimes	1,606	54	11,183	40	10,515	39	4,674	38								
		3	Often	484	16	3,142	11	3,388	13	1,339	11								
		4	Very often	178	6	1,232	4	1,529	6	566	5								
		Total		2,960	100	28,583	100	27,484	100	12,708	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
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	226	8	2,353	8	2,230	8	927	7	2.6	2.6 **	-0.05	2.6 **	-0.05	2.6 **	-0.06	
		2	Sometimes	1,209	41	10,664	38	10,367	38	4,957	40								
		3	Often	1,123	38	10,773	38	10,112	37	4,723	37								
		4	Very often	387	13	4,471	16	4,415	16	1,954	16								
		Total		2,945	100	28,261	100	27,124	100	12,561	100								
b. Connected your learning to societal problems or issues	RSocietal	1	Never	508	18	3,242	12	3,130	12	1,446	12	2.3	2.5 ***	-0.22	2.5 ***	-0.22	2.5 ***	-0.21	
		2	Sometimes	1,258	43	10,553	38	10,217	38	4,832	39								
		3	Often	823	28	9,568	34	9,083	33	4,210	33								
		4	Very often	348	12	4,640	16	4,457	16	1,983	16								
		Total		2,937	100	28,003	100	26,887	100	12,471	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	653	23	5,346	20	4,302	17	2,194	18	2.2	2.4 ***	-0.14	2.5 ***	-0.25	2.4 ***	-0.19	
		2	Sometimes	1,201	41	10,335	37	9,389	36	4,566	37								
		3	Often	744	25	8,107	29	8,321	31	3,695	30								
		4	Very often	327	11	3,976	14	4,645	17	1,922	15								
		Total		2,925	100	27,764	100	26,657	100	12,377	100								
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlowview	1	Never	241	8	2,074	8	1,734	7	804	7	2.6	2.7 ***	-0.07	2.7 ***	-0.12	2.7 ***	-0.11	
		2	Sometimes	1,037	36	9,353	34	8,683	33	4,077	33								
		3	Often	1,232	42	11,658	43	11,391	43	5,308	44								
		4	Very often	391	14	4,297	16	4,479	17	2,016	17								
		Total		2,901	100	27,382	100	26,287	100	12,205	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	152	5	1,346	5	1,116	5	494	4	2.7	2.8 ***	-0.10	2.8 ***	-0.14	2.8 ***	-0.14	
		2	Sometimes	940	33	7,664	29	7,213	28	3,393	28								
		3	Often	1,318	45	12,436	46	11,917	46	5,628	47								
		4	Very often	481	17	5,449	20	5,631	22	2,500	21								
		Total		2,891	100	26,895	100	25,877	100	12,015	100								
f. Learned something that changed the way you understand an issue or concept	Rnewview	1	Never	85	3	789	3	785	3	335	3	2.9	2.9 **	-0.06	2.9 *	-0.04	2.9 ***	-0.07	
		2	Sometimes	842	29	7,261	27	7,164	28	3,291	28								
		3	Often	1,348	47	12,280	46	11,679	46	5,405	46								
		4	Very often	593	21	6,116	23	5,823	23	2,797	24								
		Total		2,868	100	26,446	100	25,451	100	11,828	100								

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

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First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b								
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions		ON Universities		U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e		
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	70	3	842	3	874	4	333	3.2	3.0 ***	.18	3.0 ***	.21	3.1 ***	.13			
		2	Some	505	18	5,674	22	5,690	23	2,459								△	△	△
		3	Quite a bit	1,114	39	11,092	43	10,537	43	4,856										
		4	Very much	1,146	41	7,929	32	7,507	30	3,814										
		Total		2,835	100	25,537	100	24,608	100	11,462								100		
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	88	3	1,055	4	1,053	4	411	3.0	2.9 ***	.07	2.9 ***	.08	3.0	.02			
		2	Some	698	25	6,653	26	6,437	26	2,905								△	△	
		3	Quite a bit	1,213	43	10,787	43	10,300	42	4,737										
		4	Very much	825	29	6,762	27	6,551	27	3,292										
		Total		2,824	100	25,257	100	24,341	100	11,345								100		
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	309	11	2,048	8	1,624	7	833	2.6	2.7 ***	-.11	2.8 ***	-.18	2.8 ***	-.17			
		2	Some	917	33	7,593	31	6,990	29	3,319								▽	▽	▽
		3	Quite a bit	1,049	37	10,067	40	9,966	41	4,521										
		4	Very much	541	19	5,407	21	5,593	23	2,614										
		Total		2,816	100	25,115	100	24,173	100	11,287								100		
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	151	5	1,511	6	1,283	5	612	2.8	2.8	.01	2.8	-.02	2.9	-.03			
		2	Some	788	28	6,939	28	6,579	27	3,069										
		3	Quite a bit	1,269	45	11,065	44	10,657	44	4,906										
		4	Very much	611	22	5,443	22	5,554	23	2,662										
		Total		2,819	100	24,958	100	24,073	100	11,249								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	58	2	703	3	786	3	313	3.0	2.9 **	.06	2.9 ***	.08	2.9 ***	.08			
		2	Some	641	23	5,893	24	6,005	25	2,789								△	△	△
		3	Quite a bit	1,385	49	12,209	49	11,348	47	5,469										
		4	Very much	725	26	6,006	24	5,792	24	2,609										
		Total		2,809	100	24,811	100	23,931	100	11,180								100		
b. Taught course sessions in an organized way	ETorganize	1	Very little	120	4	1,082	4	1,291	6	496	2.9	2.9	.02	2.8 **	.06	2.8	.04			
		2	Some	738	26	6,323	26	6,570	27	3,024									△	
		3	Quite a bit	1,311	47	12,276	49	10,993	46	5,334										
		4	Very much	632	23	5,051	21	4,999	21	2,301										
		Total		2,801	100	24,732	100	23,853	100	11,155								100		

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	80	3	879	4	1,002	4	407	4	3.0	2.9	.04	2.9 ***	.09	2.9 **	.06	
		2	Some	663	24	5,923	24	6,277	26	2,843	25								
		3	Quite a bit	1,283	46	11,435	46	10,427	44	5,022	45								
		4	Very much	769	27	6,445	26	6,094	26	2,848	26								
		Total		2,795	100	24,682	100	23,800	100	11,120	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	505	18	4,949	20	4,718	20	2,282	20	2.4	2.3 **	.06	2.4	.02	2.3 ***	.07	
		2	Some	1,056	38	9,453	38	8,704	37	4,260	38								
		3	Quite a bit	869	31	7,258	30	6,965	29	3,196	29								
		4	Very much	366	13	2,972	12	3,361	14	1,368	12								
		Total		2,796	100	24,632	100	23,748	100	11,106	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	299	11	3,868	15	3,917	16	1,768	16	2.5	2.4 ***	.15	2.4 ***	.13	2.4 ***	.16	
		2	Some	1,088	39	10,044	41	9,316	39	4,559	41								
		3	Quite a bit	1,064	38	7,908	33	7,454	32	3,496	32								
		4	Very much	340	12	2,709	11	2,987	13	1,241	11								
		Total		2,791	100	24,529	100	23,674	100	11,064	100								
f. Explained in advance the criteria for successfully completing your assignments	eterriteria	1	Very little	152	5	1,548	6	1,659	7	726	7	2.8	2.8	.03	2.8	.02	2.7 **	.06	
		2	Some	845	30	7,427	30	7,223	30	3,530	32								
		3	Quite a bit	1,247	45	10,708	44	9,759	41	4,685	43								
		4	Very much	542	20	4,720	20	4,929	21	2,067	19								
		Total		2,786	100	24,403	100	23,570	100	11,008	100								
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	119	4	1,311	5	1,191	5	574	5	2.9	2.8 ***	.07	2.8 *	.05	2.8 ***	.08	
		2	Some	767	27	7,165	29	6,908	29	3,319	30								
		3	Quite a bit	1,292	47	11,156	46	10,538	45	4,990	46								
		4	Very much	603	22	4,725	20	4,862	21	2,103	20								
		Total		2,781	100	24,357	100	23,499	100	10,986	100								
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	252	9	2,826	11	2,879	12	1,230	11	2.5	2.5 ***	.09	2.5 ***	.08	2.5 ***	.08	
		2	Some	1,124	40	10,030	41	9,733	41	4,690	43								
		3	Quite a bit	1,055	38	8,833	36	8,023	34	3,815	35								
		4	Very much	341	12	2,599	11	2,796	12	1,211	12								
		Total		2,772	100	24,288	100	23,431	100	10,946	100								

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

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Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	78	3	955	4	955	4	429	4	3.1	3.0 ***	.13	3.0 ***	.10	3.0 ***	.13	
		2	Some	527	19	5,445	22	5,283	22	2,592	23								
		3	Quite a bit	1,257	45	11,216	46	10,211	43	4,902	45								
		4	Very much	911	33	6,628	28	6,963	30	3,014	28								
		Total		2,773	100	24,244	100	23,412	100	10,937	100								
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	237	8	3,281	13	3,334	13	1,382	12	2.6	2.5 ***	.12	2.5 ***	.13	2.6 ***	.09	
		2	Sometimes	1,033	37	8,944	37	8,617	37	4,052	37								
		3	Often	1,016	37	8,224	35	7,747	34	3,719	35								
		4	Very often	469	17	3,410	15	3,372	15	1,625	16								
		Total		2,755	100	23,859	100	23,070	100	10,778	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	605	22	5,664	23	5,015	21	2,235	20	2.3	2.2	.02	2.3	-.04	2.3 **	-.07	
		2	Sometimes	1,116	41	9,398	39	9,116	40	4,266	40								
		3	Often	726	26	6,354	27	6,356	28	3,050	29								
		4	Very often	296	11	2,321	10	2,499	11	1,177	12								
		Total		2,743	100	23,737	100	22,986	100	10,728	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	488	18	4,986	20	4,628	19	1,952	17	2.3	2.3 **	.05	2.3	.03	2.4	-.03	
		2	Sometimes	1,138	41	9,552	40	9,273	40	4,318	40								
		3	Often	829	30	6,820	30	6,630	30	3,240	31								
		4	Very often	296	11	2,258	10	2,343	11	1,177	12								
		Total		2,751	100	23,616	100	22,874	100	10,687	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	wrshortnum	0	None	185	7	1,931	8	1,400	7	752	8	6.7	6.5	.03	6.9	-.04	6.9	-.04	
		1.5	1-2	539	19	4,793	20	4,166	18	1,927	18								
		4	3-5	848	31	7,046	30	6,916	30	3,093	29								
		8	6-10	597	22	5,178	22	5,431	23	2,522	23								
		13	11-15	315	11	2,463	11	2,613	12	1,276	12								
		18	16-20	119	4	1,005	4	1,060	5	479	4								
		23	More than 20	139	5	1,087	5	1,193	5	586	6								
Total		2,742	100	23,503	100	22,779	100	10,635	100										

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Between 6 and 10 pages	wrmednum	0	None	859	31	7,807	34	6,585	29	3,252	32	3.1	3.0	.01	3.5 ***	-.08	3.4 **	-.06	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	864	32	7,263	31	7,090	31	3,257	30								
		4	3-5	564	21	4,604	19	4,610	20	2,138	20								
		8	6-10	272	10	2,280	10	2,641	12	1,145	11								
		13	11-15	126	5	891	4	1,071	5	482	5								
		18	16-20	20	1	255	1	302	1	137	1								
		23	More than 20	30	1	306	1	362	2	178	2								
	Total			2,735	100	23,406	100	22,661	100	10,589	100								
c. 11 pages or more	wrlongnum	0	None	1,662	60	15,156	65	14,180	62	6,583	62	1.8	1.8	.02	2.1 **	-.05	2.1 **	-.06	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	604	22	4,423	19	4,298	19	1,959	18								
		4	3-5	199	7	1,729	8	1,669	8	871	9								
		8	6-10	144	5	965	4	1,129	5	537	5								
		13	11-15	84	3	672	3	842	4	379	4								
		18	16-20	18	1	198	1	235	1	110	1								
		23	More than 20	29	1	284	1	328	2	162	2								
	Total			2,740	100	23,427	100	22,681	100	10,601	100								
Estimated number of assigned pages of student writing.	wrpages											71.2	69.6	.02	78.7 ***	-.07	78.3 ***	-.07	
	(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)																		
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of races or ethnicities other than your own	DDrace	1	Never	81	3	969	4	968	4	363	3	3.2	3.1 ***	.14	3.1 ***	.14	3.2 ***	.08	
		2	Sometimes	520	19	5,336	23	4,984	22	2,252	21								
		3	Often	815	30	7,506	32	7,224	32	3,310	31								
		4	Very often	1,328	48	9,677	41	9,573	42	4,705	44								
			Total	2,744	100	23,488	100	22,749	100	10,630	100								
b. People from economic backgrounds other than your own	DDeconomic	1	Never	112	4	1,254	5	1,126	5	444	4	3.0	2.9 ***	.09	3.0 **	.06	3.0	.02	
		2	Sometimes	678	25	6,315	27	5,816	26	2,669	25								
		3	Often	979	36	8,462	36	8,215	36	3,831	36								
		4	Very often	964	35	7,395	32	7,521	33	3,652	35								
			Total	2,733	100	23,426	100	22,678	100	10,596	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions					
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%				
c. People with religious beliefs other than your own	DDreligion	1	Never	120	4	1,631	7	1,320	6	540	5	3.1	2.9 ***	.18	3.0 ***	.11	3.0 ***	.07			
		2	Sometimes	608	22	6,392	27	5,685	25	2,621	24								△	△	△
		3	Often	913	34	7,645	33	7,608	34	3,536	34										
		4	Very often	1,085	40	7,752	33	8,057	35	3,892	37										
		Total		2,726	100	23,420	100	22,670	100	10,589	100										
d. People with political views other than your own	DDpolitical	1	Never	231	8	2,261	9	2,246	10	957	9	2.7	2.7 **	.05	2.7	.03	2.7	.02			
		2	Sometimes	1,018	37	8,842	37	8,304	36	3,979	37								△		
		3	Often	813	30	7,065	31	6,831	31	3,184	31										
		4	Very often	665	25	5,225	23	5,268	24	2,464	24										
		Total		2,727	100	23,393	100	22,649	100	10,584	100										
e. People with sexual orientations other than your own	ddsexorient	1	Never	284	11	2,347	10	2,393	11	1,038	10	2.7	2.8	-.02	2.7	.01	2.8	-.01			
		2	Sometimes	900	33	7,302	32	7,068	32	3,323	32										
		3	Often	740	27	6,915	29	6,591	29	3,085	29										
		4	Very often	813	29	6,829	29	6,592	28	3,134	29										
		Total		2,737	100	23,393	100	22,644	100	10,580	100										
f. People from countries other than your own	ddcountry	1	Never	78	3	928	4	934	4	308	3	3.1	3.1	.02	3.1 **	.06	3.2	-.03			
		2	Sometimes	638	23	5,520	23	5,644	25	2,485	23								△		
		3	Often	882	32	7,153	30	6,794	30	3,135	30										
		4	Very often	1,140	42	9,845	43	9,318	41	4,681	44										
		Total		2,738	100	23,446	100	22,690	100	10,609	100										
9. During the current school year, about how often have you done the following?																					
a. Identified key information from reading assignments	LSreading	1	Never	117	4	762	3	680	3	310	3	2.9	2.9 ***	-.10	2.9 ***	-.09	3.0 ***	-.11			
		2	Sometimes	743	27	5,811	25	5,646	25	2,587	25								▽	▽	▽
		3	Often	1,253	46	10,671	46	10,518	47	4,884	46										
		4	Very often	614	22	6,040	26	5,694	25	2,748	26										
		Total		2,727	100	23,284	100	22,538	100	10,529	100										
b. Reviewed your notes after class	LSnotes	1	Never	180	7	1,661	7	1,539	7	731	7	2.7	2.7	.00	2.7	.03	2.7	.02			
		2	Sometimes	957	35	8,171	35	8,202	36	3,838	36										
		3	Often	960	35	7,684	33	7,575	34	3,473	33										
		4	Very often	628	23	5,755	24	5,206	23	2,483	23										
		Total		2,725	100	23,271	100	22,522	100	10,525	100										

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
c. Summarized what you learned in class or from course materials	LSummary	1	Never	123	5	1,366	6	1,327	6	604	6	2.8	2.8	.01	2.8 **	.06	2.8	.04	
		2	Sometimes	868	32	7,059	31	7,299	33	3,373	32								
		3	Often	1,052	39	8,720	38	8,646	38	3,971	38								
		4	Very often	680	25	6,115	26	5,243	23	2,580	24								
		Total		2,723	100	23,260	100	22,515	100	10,528	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	28	1	220	1	276	1	118	1	5.3	5.4	-.03	5.3	.03	5.3	-.01	
		2		40	2	309	1	300	1	133	1								
		3		162	6	1,151	5	1,232	6	566	6								
		4		338	13	2,881	12	3,002	14	1,324	13								
		5		900	33	7,643	33	7,541	34	3,481	33								
		6		663	24	5,958	26	5,507	24	2,629	25								
		7	Very much	582	21	4,989	21	4,541	20	2,219	21								
Total		2,713	100	23,151	100	22,399	100	10,470	100										
11. Which of the following have you done while in college 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 <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	150	5	4,131	18	3,967	18	1,755	16	23%	7% ***	.46	6% ***	.52	5% ***	.54		
		Do not plan to do	148	6	1,739	8	1,782	8	814	8									
		Plan to do	1,812	66	15,504	67	15,320	68	7,363	70									
		Done or in progress	603	23	1,710	7	1,291	6	527	5									
		Total	2,713	100	23,084	100	22,360	100	10,459	100									
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	681	25	6,750	29	6,665	29	2,920	27	11%	9% ***	.10	9% ***	.10	10% **	.06		
		Do not plan to do	530	20	6,689	29	5,889	26	2,432	23									
		Plan to do	1,183	44	7,668	34	7,888	36	4,133	40									
		Done or in progress	311	11	1,927	9	1,870	9	957	10									
		Total	2,705	100	23,034	100	22,312	100	10,442	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	807	30	7,973	35	7,840	35	3,538	34	13%	10% ***	.08	8% ***	.14	10% ***	.09		
		Do not plan to do	808	30	6,601	29	5,941	27	2,706	26									
		Plan to do	741	28	6,029	27	6,616	30	3,144	31									
		Done or in progress	342	13	2,341	10	1,834	8	1,005	10									
		Total	2,698	100	22,944	100	22,231	100	10,393	100									

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	874	32	7,140	31	7,065	31	3,185	30	2%	3%	-04	3% **	-06	3% **	-07	
			Do not plan to do	886	33	7,573	34	7,518	35	3,283	33								
			Plan to do	886	33	7,674	33	7,047	31	3,641	34								
			Done or in progress	53	2	589	3	611	3	305	3								
			Total	2,699	100	22,976	100	22,241	100	10,414	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	1,019	37	8,363	36	8,339	37	3,622	34	3%	3%	-01	3%	.00	3%	.00	
			Do not plan to do	608	23	4,987	22	4,890	22	1,992	19								
			Plan to do	994	37	8,877	39	8,356	38	4,501	44								
			Done or in progress	81	3	733	3	659	3	292	3								
			Total	2,702	100	22,960	100	22,244	100	10,407	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	909	33	9,046	39	8,959	40	4,008	38	3%	3%	.01	3%	.00	3%	.01	
			Do not plan to do	407	15	4,094	18	3,936	18	1,709	17								
			Plan to do	1,311	49	9,229	40	8,786	40	4,437	43								
			Done or in progress	72	3	578	3	563	3	252	3								
			Total	2,699	100	22,947	100	22,244	100	10,406	100								
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse		1 None	1,595	59	14,096	61	12,389	55	5,857	55	1.5	1.5	.04	1.6 ***	-07	1.6 **	-07	
			2 Some	861	32	6,947	31	7,650	35	3,607	36								
			3 Most	166	6	1,418	6	1,626	7	693	7								
			4 All	52	2	346	2	420	2	184	2								
			Total	2,674	100	22,807	100	22,085	100	10,341	100								
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Q1student		1 Poor	37	1	378	2	440	2	191	2	5.5	5.4	.03	5.3 ***	.10	5.4 ***	.07	
			2	47	2	439	2	538	3	217	2								
			3	105	4	1,076	5	1,165	5	510	5								
			4	294	11	2,494	11	2,593	12	1,182	11								
			5	747	27	6,086	27	6,052	27	2,843	27								
			6	846	31	6,975	30	6,376	28	3,136	30								
			7 Excellent	599	22	5,083	22	4,673	21	2,135	21								
			— Not applicable	24	1	322	1	294	1	138	1								
Total	2,699	100	22,853	100	22,131	100	10,352	100											

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University of Waterloo

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Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
b. Academic advisors	QIadvisor	1	Poor	86	3	923	4	880	4	420	4	4.9	4.8 ***	.08	4.9	.04	4.8 ***	.08
		2		99	4	978	4	944	4	452	4							
		3		214	8	1,625	7	1,583	7	767	7							
		4		379	14	2,935	13	2,923	13	1,430	14							
		5		570	21	4,261	19	4,594	21	2,048	20							
		6		466	17	3,557	16	3,786	17	1,732	17							
		7	Excellent	437	16	2,893	13	3,197	15	1,246	13							
		—	Not applicable	447	17	5,633	24	4,172	18	2,234	21							
	Total	2,698	100	22,805	100	22,079	100	10,329	100									
c. Faculty	QIfaculty	1	Poor	59	2	589	3	676	3	304	3	5.0	5.0	.02	4.9 ***	.08	4.9 ***	.08
		2		74	3	728	3	807	4	373	4							
		3		181	7	1,609	7	1,818	8	834	8							
		4		430	16	3,677	16	3,664	16	1,701	16							
		5		822	30	6,480	28	6,061	27	2,907	28							
		6		649	24	5,405	24	4,868	22	2,300	23							
		7	Excellent	354	13	2,941	13	2,898	14	1,251	13							
		—	Not applicable	131	5	1,373	6	1,296	6	661	6							
	Total	2,700	100	22,802	100	22,088	100	10,331	100									
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	92	3	884	4	879	4	424	4	4.9	4.9	.03	4.9	.02	4.9	.03
		2		81	3	862	4	875	4	411	4							
		3		172	6	1,407	6	1,509	7	764	7							
		4		404	15	2,747	12	2,747	12	1,347	13							
		5		670	25	4,278	19	4,396	20	2,146	21							
		6		522	19	3,786	17	3,903	18	1,870	18							
		7	Excellent	344	13	2,762	13	3,006	14	1,303	13							
		—	Not applicable	408	15	6,068	26	4,736	21	2,057	19							
	Total	2,693	100	22,794	100	22,051	100	10,322	100									

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University of Waterloo

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Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	99	4	876	4	889	4	397	4	4.8	4.8	.01	4.8	-.02	4.8	.00	
		2		81	3	951	4	971	4	467	4								
		3		172	6	1,555	7	1,594	7	793	7								
		4		435	16	3,010	13	3,027	14	1,480	14								
		5		613	23	4,243	19	4,411	20	2,093	21								
		6		428	16	3,617	16	3,770	17	1,762	17								
		7	Excellent	286	11	2,549	11	2,837	13	1,203	12								
		—	Not applicable	578	21	6,007	26	4,586	20	2,134	20								
	Total	2,692	100	22,808	100	22,085	100	10,329	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	32	1	316	1	408	2	134	1	3.4	3.2 ***	.22	3.1 ***	.35	3.2 ***	.21	
		2	Some	323	12	3,504	16	4,211	20	1,640	16								
		3	Quite a bit	935	35	10,013	44	9,777	44	4,347	42								
		4	Very much	1,410	52	8,913	39	7,611	34	4,178	40								
			Total	2,700	100	22,746	100	22,007	100	10,299	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	109	4	1,323	6	1,342	6	601	6	2.8	2.7 *	.04	2.7	.01	2.7	.03	
		2	Some	886	33	7,273	32	6,841	31	3,308	32								
		3	Quite a bit	1,241	46	10,322	45	9,514	43	4,554	44								
		4	Very much	448	17	3,744	16	4,225	19	1,798	17								
			Total	2,684	100	22,662	100	21,922	100	10,261	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	264	10	2,390	11	2,267	11	940	10	2.6	2.6	.00	2.7 ***	-.07	2.7 **	-.06	
		2	Some	890	33	6,991	32	6,175	29	3,046	30								
		3	Quite a bit	1,049	39	9,145	40	8,780	40	4,228	41								
		4	Very much	477	18	4,127	18	4,696	21	2,046	19								
			Total	2,680	100	22,653	100	21,918	100	10,260	100								
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	390	14	3,859	17	3,283	15	1,584	15	2.5	2.5	.03	2.5	-.04	2.5	-.02	
		2	Some	954	36	7,675	34	7,267	33	3,472	34								
		3	Quite a bit	912	34	7,481	33	7,481	34	3,452	34								
		4	Very much	424	16	3,618	16	3,871	18	1,750	17								
			Total	2,680	100	22,633	100	21,902	100	10,258	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
e. Providing opportunities to be involved socially	SEsocial	1	Very little	287	11	2,320	10	2,205	10	1,051	10	2.6	2.6	-.04	2.7 ***	-.08	2.7 *	-.05
		2	Some	874	33	7,279	32	6,728	31	3,275	32							
		3	Quite a bit	1,087	40	9,045	40	8,633	40	4,058	40							
		4	Very much	436	16	3,961	17	4,314	19	1,854	18							
		Total		2,684	100	22,605	100	21,880	100	10,238	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	278	10	2,718	12	2,461	11	1,156	11	2.6	2.6	.00	2.6 **	-.06	2.6	-.04
		2	Some	984	37	7,682	34	7,044	32	3,436	34							
		3	Quite a bit	1,011	38	8,583	38	8,274	38	3,890	38							
		4	Very much	408	15	3,600	16	4,067	18	1,748	17							
		Total		2,681	100	22,583	100	21,846	100	10,230	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	856	31	7,805	34	7,099	32	3,450	33	2.0	2.0 *	.05	2.1	-.03	2.0	.01
		2	Some	1,069	40	8,531	38	8,031	37	3,828	38							
		3	Quite a bit	568	22	4,661	21	4,901	23	2,158	21							
		4	Very much	192	7	1,541	7	1,796	8	780	8							
		Total		2,685	100	22,538	100	21,827	100	10,216	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	398	15	3,225	14	3,111	14	1,413	14	2.4	2.5 ***	-.08	2.5 ***	-.12	2.5 ***	-.10
		2	Some	1,060	40	7,931	35	7,385	34	3,622	36							
		3	Quite a bit	901	34	8,319	37	7,870	36	3,714	36							
		4	Very much	319	12	3,069	13	3,462	16	1,467	14							
		Total		2,678	100	22,544	100	21,828	100	10,216	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	684	25	5,015	22	4,639	21	2,243	22	2.2	2.2 ***	-.09	2.3 ***	-.15	2.3 ***	-.11
		2	Some	1,124	42	9,124	41	8,568	39	4,123	40							
		3	Quite a bit	663	25	6,437	28	6,302	29	2,895	28							
		4	Very much	214	8	1,968	9	2,327	11	960	9							
		Total		2,685	100	22,544	100	21,836	100	10,221	100							

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e
15. To what extent do you agree or disagree with the following statements?																			
a. I feel comfortable being myself at this institution.	sbmyself	1	Strongly disagree	53	2	467	2	522	3	233	2	3.2	3.1	.01	3.1 **	.06	3.1 **	.06	
		2	Disagree	238	9	2,214	10	2,348	11	1,108	11								
		3	Agree	1,636	60	13,272	59	12,988	59	6,103	59								△
		4	Strongly agree	762	29	6,587	29	5,972	27	2,779	27								△
		Total		2,689	100	22,540	100	21,830	100	10,223	100								
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	157	6	1,511	7	1,382	7	730	8	2.8	2.7 **	.05	2.7 *	.04	2.7 ***	.10	
		2	Disagree	710	26	6,051	27	5,875	27	2,988	29								
		3	Agree	1,455	54	11,838	52	11,683	53	5,235	51								△
		4	Strongly agree	369	14	3,110	14	2,863	13	1,257	12								△
		Total		2,691	100	22,510	100	21,803	100	10,210	100								
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	119	4	1,247	6	1,230	6	581	6	2.9	2.8 ***	.07	2.8 ***	.07	2.8 ***	.07	
		2	Disagree	596	22	5,413	24	5,169	24	2,416	23								
		3	Agree	1,529	57	12,305	55	12,007	55	5,647	55								△
		4	Strongly agree	450	17	3,557	16	3,412	16	1,569	16								△
		Total		2,694	100	22,522	100	21,818	100	10,213	100								
16. 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 <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	18	1	129	1	122	1	61	1	20.3	17.9 ***	.26	17.0 ***	.36	18.0 ***	.24	
		3	1-5 hrs	166	6	1,900	8	2,058	9	839	8								
		8	6-10 hrs	296	11	3,505	15	3,613	17	1,515	15								
		13	11-15 hrs	404	15	4,075	18	4,219	20	1,859	18								
		18	16-20 hrs	472	18	4,360	19	4,370	20	2,011	20								
		23	21-25 hrs	445	16	3,437	15	3,207	15	1,615	16								
		28	26-30 hrs	322	12	2,122	9	1,853	8	980	10								
		33	More than 30 hrs	568	21	2,941	13	2,334	11	1,321	13								
Total		2,691	100	22,469	100	21,776	100	10,201	100										

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b									
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Effect size ^e	Effect size ^e	Effect size ^e			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean			
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmocurrhrs	0	0 hrs	869	32	10,348	45	9,704	43	4,057	38	5.0	4.1 ***	.15	4.5 ***	.08	4.7 *	.05			
	(Recorded version of tmocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1,065	39	7,096	32	6,628	31	3,475	35								△	△	△
	8	6-10 hrs	350	13	2,275	10	2,333	11	1,188	12											
	13	11-15 hrs	186	7	1,306	6	1,444	7	691	7											
	18	16-20 hrs	109	4	707	3	840	4	378	4											
	23	21-25 hrs	58	2	409	2	435	2	224	2											
	28	26-30 hrs	12	0	133	1	148	1	69	1											
	33	More than 30 hrs	33	1	160	1	198	1	91	1											
	Total			2,682	100	22,434	100	21,730	100	10,173	100										
c. Working for pay on campus	tmworkonhrs	0	0 hrs	2,367	88	20,347	90	19,358	88	9,072	88	1.7	1.4 **	.06	1.7	-.01	1.7	.00			
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	91	3	412	2	375	2	181	2								△		
	8	6-10 hrs	47	2	454	2	474	2	219	2											
	13	11-15 hrs	67	3	478	2	573	3	263	3											
	18	16-20 hrs	54	2	339	2	446	2	185	2											
	23	21-25 hrs	34	1	270	1	324	2	171	2											
	28	26-30 hrs	11	0	68	0	87	0	46	1											
	33	More than 30 hrs	23	1	89	0	108	1	47	1											
	Total			2,694	100	22,457	100	21,745	100	10,184	100										
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	2,117	79	13,522	62	13,423	62	7,083	70	2.8	5.3 ***	-.30	5.6 ***	-.32	3.9 ***	-.15			
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	140	5	1,474	6	1,236	6	578	6								▽	▽	▽
	8	6-10 hrs	118	4	1,980	8	1,611	7	656	6											
	13	11-15 hrs	112	4	2,045	9	1,882	8	717	7											
	18	16-20 hrs	110	4	1,839	8	1,796	8	612	6											
	23	21-25 hrs	45	2	897	4	994	5	321	3											
	28	26-30 hrs	14	1	320	1	417	2	128	1											
	33	More than 30 hrs	37	2	379	2	406	2	95	1											
	Total			2,693	100	22,456	100	21,765	100	10,190	100										
Estimated number of hours working for pay	tmworkhrs											4.5	6.6 ***	-.20	7.2 ***	-.24	5.6 ***	-.10			
	(Continuous variable created by NSSE)											▽	▽	▽	▽	▽	▽				

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	1,991	74	16,078	72	15,588	71	7,439	73	2.0	2.0	-.01	2.4 ***	-.08	2.2 *	-.05
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	446	16	4,043	18	3,475	16	1,610	16							
	8	6-10 hrs	75	3	976	4	988	5	388	4								
	13	11-15 hrs	70	3	593	3	731	4	302	3								
	18	16-20 hrs	52	2	366	2	468	2	201	2								
	23	21-25 hrs	31	1	253	1	317	2	164	2								
	28	26-30 hrs	6	0	64	0	76	0	38	0								
	33	More than 30 hrs	16	1	69	0	104	1	37	0								
	Total			2,687	100	22,442	100	21,747	100	10,179	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	60	2	507	2	520	3	233	2	12.8	12.6	.03	13.1	-.03	13.0	-.03
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	466	17	4,271	19	3,987	18	1,767	17							
	8	6-10 hrs	750	28	6,046	26	5,468	25	2,630	25								
	13	11-15 hrs	592	22	4,831	22	4,665	22	2,188	22								
	18	16-20 hrs	399	15	3,351	15	3,343	16	1,640	16								
	23	21-25 hrs	172	7	1,561	7	1,618	8	778	8								
	28	26-30 hrs	79	3	673	3	752	4	333	3								
	33	More than 30 hrs	170	7	1,190	6	1,382	7	601	6								
	Total			2,688	100	22,430	100	21,735	100	10,170	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	2,024	75	16,220	73	14,331	66	7,247	71	2.4	2.7 **	-.05	3.4 ***	-.15	2.8 ***	-.07
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	313	11	2,889	12	3,275	15	1,327	13							
	8	6-10 hrs	120	4	1,240	5	1,503	7	606	6								
	13	11-15 hrs	88	3	793	4	1,042	5	387	4								
	18	16-20 hrs	66	3	496	2	656	3	254	3								
	23	21-25 hrs	38	1	294	1	380	2	170	2								
	28	26-30 hrs	7	0	103	0	131	1	50	0								
	33	More than 30 hrs	28	1	359	2	369	2	110	1								
	Total			2,684	100	22,394	100	21,687	100	10,151	100							

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d Response options		Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo		U15 Institutions		ON Universities		U6 Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs <i>(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	490	18	3,885	18	4,336	20	2,129	21	4.8	6.2 *** ▽	-0.24	6.4 *** ▽	-0.25	6.1 *** ▽	-0.21	
		3	1-5 hrs	1,554	58	9,110	40	8,249	38	4,035	40								
		8	6-10 hrs	352	13	5,087	22	4,617	21	2,039	20								
		13	11-15 hrs	136	5	2,531	11	2,468	11	1,069	10								
		18	16-20 hrs	81	3	1,023	5	1,121	5	493	5								
		23	21-25 hrs	47	2	454	2	545	3	246	3								
		28	26-30 hrs	3	0	128	1	147	1	63	1								
		33	More than 30 hrs	26	1	236	1	270	1	106	1								
		Total		2,689	100	22,454	100	21,753	100	10,180	100								
17. 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	728	28	3,534	16	3,382	16	1,619	16	2.3	2.7 *** ▽	-0.34	2.7 *** ▽	-0.35	2.7 *** ▽	-0.34			
		2 Some	1,007	37	7,278	33	6,898	32	3,218								32		
		3 About half	507	19	5,613	25	5,825	27	2,669								27		
		4 Most	308	11	4,173	18	3,986	18	1,877								18		
		5 Almost all	126	5	1,782	8	1,600	7	763								7		
		Total	2,676	100	22,380	100	21,691	100	10,146								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>																			
tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1 0 hrs	17	1	127	1	121	1	60	1	6.9	7.7 *** ▽	-0.13	7.4 *** ▽	-0.08	7.7 *** ▽	-0.13			
		2 More than zero, up to 5 hrs	1,312	49	9,659	44	9,746	46	4,326								43		
		3 More than 5, up to 10 hrs	825	31	6,782	31	6,465	30	3,089								31		
		4 More than 10, up to 15 hrs	201	7	2,561	11	2,432	11	1,201								12		
		5 More than 15, up to 20 hrs	170	6	1,577	7	1,479	7	748								7		
		6 More than 20, up to 25 hrs	98	4	1,098	5	954	4	497								5		
		7 More than 25 hrs	46	2	486	2	403	2	190								2		
		Total	2,669	100	22,290	100	21,600	100	10,111								100		

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e
18. 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	318	12	2,609	12	2,086	10	1,009	10	2.6	2.6	-.01	2.7 ***	-0.8	2.6 **	-0.06	
		2	Some	896	33	7,317	33	6,798	31	3,262	32								
		3	Quite a bit	1,063	40	8,866	39	9,126	42	4,117	40								
		4	Very much	416	15	3,579	16	3,672	17	1,756	17								
		Total		2,693	100	22,371	100	21,682	100	10,144	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	457	17	4,835	22	4,195	19	2,159	21	2.4	2.3 ***	.11	2.4	.02	2.4 ***	.07	
		2	Some	976	36	7,904	35	7,449	34	3,523	35								
		3	Quite a bit	896	33	6,942	31	7,075	33	3,135	31								
		4	Very much	361	13	2,663	12	2,935	14	1,312	13								
		Total		2,690	100	22,344	100	21,654	100	10,129	100								
c. Thinking critically and analytically	pgthink	1	Very little	62	2	837	4	772	4	355	4	3.1	3.0 ***	.14	3.0 ***	.13	3.0 ***	.10	
		2	Some	471	18	4,689	21	4,485	21	2,080	21								
		3	Quite a bit	1,218	45	10,149	45	9,809	45	4,450	43								
		4	Very much	938	35	6,642	30	6,580	31	3,225	33								
		Total		2,689	100	22,317	100	21,646	100	10,110	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	216	8	3,495	15	3,800	16	1,542	14	2.9	2.7 ***	.28	2.6 ***	.32	2.7 ***	.25	
		2	Some	627	23	6,261	27	6,142	28	2,813	27								
		3	Quite a bit	1,000	37	7,771	35	7,228	34	3,466	35								
		4	Very much	839	32	4,795	23	4,480	22	2,293	24								
		Total		2,682	100	22,322	100	21,650	100	10,114	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	355	13	4,791	22	4,562	21	2,193	21	2.6	2.4 ***	.28	2.4 ***	.28	2.3 ***	.30	
		2	Some	857	32	7,639	34	7,607	35	3,656	36								
		3	Quite a bit	922	35	6,781	30	6,535	30	2,960	29								
		4	Very much	549	21	3,106	14	2,940	14	1,307	13								
		Total		2,683	100	22,317	100	21,644	100	10,116	100								
f. Working effectively with others	pgothers	1	Very little	231	8	2,883	13	2,798	13	1,366	13	2.7	2.6 ***	.14	2.6 ***	.13	2.6 ***	.13	
		2	Some	839	31	7,331	33	7,050	32	3,349	33								
		3	Quite a bit	1,067	40	8,209	37	7,831	36	3,557	35								
		4	Very much	547	21	3,892	18	3,963	19	1,846	19								
		Total		2,684	100	22,315	100	21,642	100	10,118	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	493	18	3,973	18	3,552	17	1,785	18	2.5	2.5	.01	2.5 *	-.04	2.5	-.01
		2	Some	897	33	7,426	33	7,095	33	3,361	33							
		3	Quite a bit	865	32	7,621	34	7,527	35	3,392	34							
		4	Very much	425	16	3,295	15	3,460	16	1,573	16							
		Total		2,680	100	22,315	100	21,634	100	10,111	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	467	17	3,238	15	2,744	13	1,354	14	2.5	2.6 ***	-.10	2.7 ***	-.17	2.6 ***	-.15
		2	Some	891	33	6,863	31	6,438	30	3,058	30							
		3	Quite a bit	857	32	7,930	35	7,784	36	3,615	36							
		4	Very much	468	17	4,282	19	4,677	21	2,085	21							
		Total		2,683	100	22,313	100	21,643	100	10,112	100							
i. Solving complex real-world problems	pgprobolve	1	Very little	325	12	3,487	15	3,270	15	1,480	14	2.6	2.5 ***	.13	2.5 ***	.11	2.6 ***	.08
		2	Some	881	32	7,736	34	7,372	34	3,414	33							
		3	Quite a bit	945	36	7,478	34	7,361	34	3,433	34							
		4	Very much	533	20	3,623	17	3,641	17	1,793	18							
		Total		2,684	100	22,324	100	21,644	100	10,120	100							
j. Being an informed and active citizen	pgcizen	1	Very little	586	22	4,011	18	3,659	17	1,754	17	2.3	2.4 ***	-.12	2.5 ***	-.16	2.5 ***	-.14
		2	Some	986	37	7,793	35	7,432	34	3,549	35							
		3	Quite a bit	771	29	7,199	32	7,136	33	3,222	32							
		4	Very much	342	13	3,347	15	3,455	16	1,613	16							
		Total		2,685	100	22,350	100	21,682	100	10,138	100							
19. How would you evaluate your entire educational experience at this institution?																		
	evalexp	1	Poor	80	3	755	4	828	4	367	4	3.0	2.9 ***	.08	2.9 ***	.11	2.9 ***	.09
		2	Fair	539	20	4,839	22	4,989	23	2,326	23							
		3	Good	1,477	54	12,471	55	11,757	53	5,495	53							
		4	Excellent	603	23	4,375	20	4,190	20	1,988	20							
		Total		2,699	100	22,440	100	21,764	100	10,176	100							
20. If you could start over again, would you go to the same institution you are now attending?																		
	sameinst	1	Definitely no	82	3	663	3	780	4	341	4	3.2	3.1	.04	3.1 ***	.14	3.1 ***	.10
		2	Probably no	319	12	3,071	14	3,468	16	1,577	15							
		3	Probably yes	1,343	50	11,011	49	10,951	50	5,022	49							
		4	Definitely yes	958	36	7,773	34	6,670	30	3,283	32							
		Total		2,702	100	22,518	100	21,869	100	10,223	100							

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your 1st-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions		ON Universities		U6 Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
21. Do you intend to return to this institution next year?^f																		
	returnexp	No		56	2	726	3	765	4	332	3	94%						
(Means indicate the percentage who responded "Yes.")		Yes		2,529	94	20,382	90	19,658	89	9,231	90		90% ***	.12	89% ***	.15	90% ***	.13
		Not sure		112	4	1,413	6	1,449	7	659	7		△		△		△	
		Total		2,697	100	22,521	100	21,872	100	10,222	100							

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	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	201	10	1,677	8	1,350	6	582	7	2.4	2.6 *** ▼	-0.22	2.8 *** ▼	-0.34	2.7 *** ▼	-0.30	
		2	Sometimes	1,014	49	8,842	42	8,601	38	3,583	39								
		3	Often	571	28	6,053	29	6,825	31	2,678	30								
		4	Very often	275	13	4,508	22	5,593	25	2,149	24								
		Total		2,061	100	21,080	100	22,369	100	8,992	100								
b. Asked another student to help you understand course material	CLaskhelp	1	Never	221	11	3,121	15	3,319	15	1,331	15	2.5	2.4 *** ▲	.11	2.4 *** ▲	.10	2.4 *** ▲	.11	
		2	Sometimes	869	42	9,145	43	9,566	43	3,938	43								
		3	Often	670	32	5,795	27	6,015	27	2,440	27								
		4	Very often	303	15	2,977	14	3,415	15	1,268	15								
		Total		2,063	100	21,038	100	22,315	100	8,977	100								
c. Explained course material to one or more students	CLexplain	1	Never	130	6	1,747	8	1,815	8	730	8	2.6	2.6	.01	2.6	-0.03	2.6	-0.01	
		2	Sometimes	884	42	8,858	42	8,911	40	3,792	41								
		3	Often	756	37	6,996	33	7,545	34	2,955	33								
		4	Very often	285	14	3,375	17	3,988	18	1,464	17								
		Total		2,055	100	20,976	100	22,259	100	8,941	100								
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	349	17	4,338	21	4,722	22	1,819	21	2.4	2.4 * ▲	.05	2.4 * ▲	.05	2.4 * ▲	.05	
		2	Sometimes	760	37	7,627	36	7,915	35	3,345	37								
		3	Often	661	32	5,555	26	5,801	26	2,314	26								
		4	Very often	276	14	3,339	16	3,677	17	1,405	16								
		Total		2,046	100	20,859	100	22,115	100	8,883	100								
e. Worked with other students on course projects or assignments	CLproject	1	Never	141	7	1,599	8	1,768	8	663	8	2.8	2.9	-0.04	2.8	-0.01	2.8	-0.01	
		2	Sometimes	588	29	5,863	28	6,258	28	2,612	29								
		3	Often	771	38	7,078	34	7,502	34	3,051	34								
		4	Very often	550	27	6,242	30	6,502	29	2,528	29								
		Total		2,050	100	20,782	100	22,030	100	8,854	100								
f. Given a course presentation	present	1	Never	343	17	2,748	13	2,548	12	973	11	2.3	2.5 *** ▼	-0.19	2.6 *** ▼	-0.27	2.6 *** ▼	-0.25	
		2	Sometimes	903	44	8,279	40	8,479	38	3,582	40								
		3	Often	544	26	6,014	29	6,531	29	2,610	29								
		4	Very often	257	12	3,717	18	4,444	20	1,670	19								
		Total		2,047	100	20,758	100	22,002	100	8,835	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions					
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
2. During the current school year, about how often have you done the following?																					
a. Combined ideas from different courses when completing assignments	RIntegrate	1	Never	99	5	869	4	879	4	314	4	2.6	2.8 ***	-0.24	2.9 ***	-0.28	2.9 ***	-0.27			
		2	Sometimes	817	40	6,186	31	6,339	29	2,589	30								▽	▽	▽
		3	Often	810	39	8,477	41	8,836	40	3,576	40										
		4	Very often	314	15	5,073	24	5,781	26	2,299	26										
		Total		2,040	100	20,605	100	21,835	100	8,778	100										
b. Connected your learning to societal problems or issues	RSocietal	1	Never	287	15	1,468	8	1,613	8	609	8	2.4	2.8 ***	-0.38	2.8 ***	-0.40	2.8 ***	-0.39			
		2	Sometimes	872	43	6,462	33	6,679	32	2,739	33								▽	▽	▽
		3	Often	586	28	7,460	36	7,712	35	3,089	34										
		4	Very often	283	13	5,072	24	5,670	25	2,276	25										
		Total		2,028	100	20,462	100	21,674	100	8,713	100										
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	516	27	3,086	16	2,811	14	1,103	14	2.2	2.5 ***	-0.32	2.6 ***	-0.42	2.6 ***	-0.40			
		2	Sometimes	767	38	6,984	35	6,799	32	2,812	34								▽	▽	▽
		3	Often	498	24	6,057	29	6,728	30	2,709	30										
		4	Very often	242	11	4,197	20	5,212	23	2,035	22										
		Total		2,023	100	20,324	100	21,550	100	8,659	100										
d. Examined the strengths and weaknesses of your own views on a topic or issue	RLowerview	1	Never	213	11	1,250	6	1,264	6	469	6	2.5	2.7 ***	-0.26	2.8 ***	-0.31	2.8 ***	-0.30			
		2	Sometimes	773	38	6,465	32	6,435	31	2,673	32								▽	▽	▽
		3	Often	788	39	8,675	42	9,239	43	3,731	43										
		4	Very often	243	12	3,792	19	4,436	21	1,736	20										
		Total		2,017	100	20,182	100	21,374	100	8,609	100										
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIPerspect	1	Never	165	9	907	5	895	5	344	4	2.7	2.8 ***	-0.23	2.9 ***	-0.29	2.9 ***	-0.27			
		2	Sometimes	651	33	5,447	28	5,395	26	2,280	27								▽	▽	▽
		3	Often	876	43	8,984	44	9,487	44	3,840	45										
		4	Very often	312	15	4,548	23	5,297	25	2,043	24										
		Total		2,004	100	19,886	100	21,074	100	8,507	100										
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	64	3	439	2	508	3	177	2	2.8	2.9 ***	-0.19	2.9 ***	-0.20	3.0 ***	-0.21			
		2	Sometimes	639	32	5,094	27	5,325	26	2,123	26								▽	▽	▽
		3	Often	935	46	9,142	46	9,540	46	3,866	45										
		4	Very often	358	18	4,983	25	5,453	26	2,254	26										
		Total		1,996	100	19,658	100	20,826	100	8,420	100										

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	36	2	256	1	311	2	111	2	3.0	3.1 ***	-20	3.1 ***	-21	3.1 ***	-21	
		2	Sometimes	455	23	3,326	18	3,557	18	1,436	18								
		3	Often	1,000	50	9,339	47	9,651	47	3,901	46								
		4	Very often	500	25	6,571	33	7,137	34	2,903	34								
		Total		1,991	100	19,492	100	20,656	100	8,351	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	748	38	6,882	35	6,936	33	2,767	33	1.9	2.0	-04	2.0 ***	-12	2.0 ***	-10	
		2	Sometimes	773	39	7,946	41	8,085	39	3,458	41								
		3	Often	300	15	2,970	15	3,502	17	1,361	16								
		4	Very often	163	8	1,684	9	2,124	10	766	10								
		Total		1,984	100	19,482	100	20,647	100	8,352	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	1,001	50	10,718	55	11,098	53	4,325	51	1.8	1.7 *	.05	1.7	.01	1.8	-01	
		2	Sometimes	573	29	5,118	27	5,325	26	2,303	28								
		3	Often	300	15	2,345	12	2,672	13	1,114	14								
		4	Very often	108	5	1,249	7	1,476	7	577	7								
		Total		1,982	100	19,430	100	20,571	100	8,319	100								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	716	36	7,059	36	7,497	36	2,790	33	1.9	1.9	-01	2.0	-04	2.0 **	-07	
		2	Sometimes	808	41	7,783	40	7,869	39	3,427	41								
		3	Often	339	17	3,125	16	3,481	17	1,429	18								
		4	Very often	121	6	1,337	7	1,565	8	625	8								
		Total		1,984	100	19,304	100	20,412	100	8,271	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	922	47	8,779	45	7,905	39	3,368	41	1.8	1.8	-02	1.9 ***	-15	1.9 ***	-11	
		2	Sometimes	707	35	7,234	37	8,172	40	3,274	39								
		3	Often	265	13	2,376	12	3,047	15	1,154	14								
		4	Very often	88	4	926	5	1,293	6	474	6								
		Total		1,982	100	19,315	100	20,417	100	8,270	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	160	8	1,445	8	1,666	8	604	8	2.7	2.8 ***	-12	2.8 ***	-08	2.8 ***	-11	
		2	Some	652	33	5,461	29	5,923	30	2,424	30								
		3	Quite a bit	776	39	7,295	38	7,663	38	3,084	38								
		4	Very much	391	20	5,000	25	5,028	24	2,096	25								
		Total		1,979	100	19,201	100	20,280	100	8,208	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	53	3	624	3	915	4	264	3	2.9	3.0	-0.03	2.9	.02	3.0	-0.02	
		2	Some	481	25	4,365	23	5,024	25	1,966	24								
		3	Quite a bit	937	48	8,662	46	8,591	44	3,614	45								
		4	Very much	475	24	4,950	27	5,132	27	2,130	27								
		Total		1,946	100	18,601	100	19,662	100	7,974	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	316	16	3,086	17	3,154	16	1,192	15	2.4	2.5 **	-0.06	2.5 ***	-0.12	2.5 ***	-0.12	
		2	Some	743	38	6,558	35	6,665	34	2,758	35								
		3	Quite a bit	649	33	6,058	32	6,389	33	2,693	33								
		4	Very much	235	12	2,884	16	3,418	18	1,325	17								
		Total		1,943	100	18,586	100	19,626	100	7,968	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	167	9	2,307	13	2,470	12	897	11	2.5	2.5	.03	2.5	-0.01	2.5	-0.02	
		2	Some	801	41	7,158	38	7,316	37	3,020	38								
		3	Quite a bit	753	39	6,517	35	6,827	35	2,864	36								
		4	Very much	216	11	2,526	14	2,961	16	1,162	15								
		Total		1,937	100	18,508	100	19,574	100	7,943	100								
f. Explained in advance the criteria for successfully completing your assignments	etcriteria	1	Very little	109	6	1,020	6	1,271	7	431	6	2.7	2.8 ***	-0.09	2.8 ***	-0.08	2.8 ***	-0.09	
		2	Some	621	32	5,422	30	5,783	29	2,388	30								
		3	Quite a bit	885	46	8,186	44	8,155	42	3,399	42								
		4	Very much	316	16	3,807	21	4,277	22	1,687	22								
		Total		1,931	100	18,435	100	19,486	100	7,905	100								
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	80	4	896	5	1,013	5	373	5	2.8	2.8	-0.01	2.8	-0.03	2.9	-0.04	
		2	Some	542	28	5,150	28	5,362	27	2,184	27								
		3	Quite a bit	962	50	8,569	46	8,799	45	3,628	46								
		4	Very much	353	18	3,764	21	4,247	22	1,692	22								
		Total		1,937	100	18,379	100	19,421	100	7,877	100								
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	119	6	1,806	10	2,116	11	706	9	2.6	2.6	.02	2.6	.04	2.6	.00	
		2	Some	787	41	6,789	37	7,303	37	2,958	37								
		3	Quite a bit	793	41	7,296	40	7,225	38	3,124	40								
		4	Very much	228	12	2,466	14	2,752	15	1,089	14								
		Total		1,927	100	18,357	100	19,396	100	7,877	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	52	3	594	3	753	4	240	3	3.0	3.0	-0.01	3.0	.00	3.0	-0.02	
		2	Some	423	22	3,871	21	4,270	22	1,689	21								
		3	Quite a bit	948	49	8,866	48	8,776	45	3,760	47								
		4	Very much	507	26	5,007	27	5,582	29	2,181	28								
		Total		1,930	100	18,338	100	19,381	100	7,870	100								
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	155	8	2,539	13	2,733	13	974	12	2.6	2.5 ***	.10	2.5 ***	.09	2.6	.04	
		2	Sometimes	719	37	6,653	36	6,969	36	2,815	35								
		3	Often	757	40	6,134	34	6,431	34	2,723	35								
		4	Very often	287	15	2,784	16	3,042	17	1,283	18								
		Total		1,918	100	18,110	100	19,175	100	7,795	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	356	19	3,853	21	3,758	19	1,442	18	2.3	2.3	.02	2.4	-0.01	2.4 *	-0.05	
		2	Sometimes	758	39	6,955	38	7,452	39	2,976	38								
		3	Often	589	31	4,978	28	5,390	29	2,259	29								
		4	Very often	212	11	2,234	13	2,485	13	1,078	14								
		Total		1,915	100	18,020	100	19,085	100	7,755	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	271	14	3,285	18	3,283	17	1,142	14	2.4	2.4	.01	2.4	-0.01	2.5 ***	-0.09	
		2	Sometimes	800	42	6,887	38	7,352	38	2,883	37								
		3	Often	641	34	5,576	32	5,938	32	2,599	34								
		4	Very often	198	10	2,228	13	2,454	13	1,113	15								
		Total		1,910	100	17,976	100	19,027	100	7,737	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	wrshortnum	0	None	115	6	992	6	777	4	304	4	7.1	7.7 ***	-0.09	8.2 ***	-0.18	8.2 ***	-0.18	
		1.5	1-2	338	18	2,777	16	2,473	13	977	13								
		4	3-5	584	30	5,213	29	5,428	29	2,188	29								
		8	6-10	428	22	4,314	24	4,838	25	1,965	25								
		13	11-15	256	13	2,166	12	2,528	13	1,081	14								
		18	16-20	90	4	994	5	1,171	6	496	6								
		23	More than 20	109	6	1,374	8	1,667	9	661	8								
Total		1,920	100	17,830	100	18,882	100	7,672	100										

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo		U15 Institutions		ON Universities		U6 Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
c. People with religious beliefs other than your own	DDreligion	1	Never	111	6	1,193	7	1,112	6	417	6	2.9	2.9 **	.07	3.0	-.02	3.0	-.01	
		2	Sometimes	493	26	5,334	30	5,049	27	2,150	28								
		3	Often	682	36	5,607	31	6,108	33	2,436	32								
		4	Very often	622	33	5,650	32	6,569	35	2,652	35								
		Total		1,908	100	17,784	100	18,838	100	7,655	100								
d. People with political views other than your own	DDpolitical	1	Never	169	9	1,586	9	1,672	9	669	9	2.6	2.6 *	-.05	2.7 ***	-.09	2.7 *	-.06	
		2	Sometimes	809	42	7,157	40	7,189	38	3,107	40								
		3	Often	563	30	5,140	29	5,530	30	2,205	29								
		4	Very often	359	19	3,892	22	4,418	24	1,662	22								
		Total		1,900	100	17,775	100	18,809	100	7,643	100								
e. People with sexual orientations other than your own	ddsexorient	1	Never	206	11	1,413	8	1,720	10	613	9	2.6	2.8 ***	-.15	2.8 ***	-.13	2.8 ***	-.14	
		2	Sometimes	695	37	5,802	33	6,036	33	2,484	33								
		3	Often	560	29	5,467	30	5,629	30	2,342	30								
		4	Very often	448	23	5,078	28	5,431	28	2,211	28								
		Total		1,909	100	17,760	100	18,816	100	7,650	100								
f. People from countries other than your own	ddcountry	1	Never	60	3	684	4	805	4	247	3	3.0	3.1	-.04	3.0	.01	3.1 *	-.06	
		2	Sometimes	479	25	4,410	24	5,004	26	1,897	24								
		3	Often	676	35	5,640	31	5,784	31	2,385	31								
		4	Very often	699	37	7,073	40	7,267	39	3,139	41								
		Total		1,914	100	17,807	100	18,860	100	7,668	100								
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	87	5	643	4	592	3	225	3	2.8	3.0 ***	-.18	3.0 ***	-.21	3.0 ***	-.22	
		2	Sometimes	554	29	4,119	24	4,270	23	1,736	23								
		3	Often	838	44	7,628	43	8,071	43	3,241	42								
		4	Very often	426	22	5,325	30	5,820	31	2,422	31								
		Total		1,905	100	17,715	100	18,753	100	7,624	100								
b. Reviewed your notes after class	LSnotes	1	Never	211	11	1,900	11	1,896	10	778	10	2.5	2.6 ***	-.10	2.6 ***	-.10	2.6 ***	-.10	
		2	Sometimes	797	42	6,576	37	7,078	38	2,926	38								
		3	Often	574	30	5,458	31	5,857	31	2,350	31								
		4	Very often	328	17	3,778	21	3,922	21	1,580	21								
		Total		1,910	100	17,712	100	18,753	100	7,634	100								

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University of Waterloo

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Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
c. Summarized what you learned in class or from course materials	LSummary	1	Never	171	9	1,426	8	1,468	8	558	7	2.6	2.7 ***	-0.15	2.7 ***	-0.15	2.7 ***	-0.17	
		2	Sometimes	750	39	5,804	33	6,204	33	2,519	33								
		3	Often	649	34	6,429	36	6,952	37	2,851	37								
		4	Very often	335	17	4,049	23	4,135	22	1,702	22								
		Total		1,905	100	17,708	100	18,759	100	7,630	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	19	1	171	1	208	1	60	1	5.0	5.2 ***	-0.16	5.2 ***	-0.16	5.2 ***	-0.17	
		2		34	2	339	2	369	2	133	2								
		3		135	7	991	6	1,080	6	425	6								
		4		358	19	2,414	14	2,587	14	1,048	14								
		5		701	36	6,264	35	6,553	35	2,774	36								
		6		424	22	4,392	25	4,557	24	1,872	24								
		7	Very much	230	12	3,032	17	3,302	18	1,274	17								
Total		1,901	100	17,603	100	18,656	100	7,586	100										
11. Which of the following have you done while in college 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 <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	91	5	1,850	10	2,090	11	818	10	71%	50% ***	.43	46% ***	.50	48% ***	.47		
		Do not plan to do	235	12	4,333	24	4,683	25	1,958	25									
		Plan to do	231	12	2,780	16	3,122	17	1,268	17									
		Done or in progress	1,348	71	8,626	50	8,736	46	3,533	48									
		Total	1,905	100	17,589	100	18,631	100	7,577	100									
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	145	8	1,835	10	2,278	12	799	10	35%	33%	.05	31% ***	.09	36%	-0.01		
		Do not plan to do	877	47	8,546	48	8,817	47	3,304	44									
		Plan to do	195	10	1,479	9	1,770	10	734	10									
		Done or in progress	682	35	5,691	33	5,744	31	2,735	36									
		Total	1,899	100	17,551	100	18,609	100	7,572	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	199	10	2,421	14	2,879	15	1,035	14	19%	18%	.02	17% *	.05	17%	.03		
		Do not plan to do	1,120	59	10,239	58	10,442	57	4,365	57									
		Plan to do	221	12	1,719	10	2,093	12	833	12									
		Done or in progress	360	19	3,136	18	3,130	17	1,323	17									
		Total	1,900	100	17,515	100	18,544	100	7,556	100									

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Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	163	9	2,311	13	2,724	14	987	13	7%	7%	-0.01	6%	.03	7%	-0.02	
			Do not plan to do	1,404	74	12,324	71	12,900	70	5,225	69								
			Plan to do	204	11	1,654	9	1,831	10	787	10								
			Done or in progress	130	7	1,232	7	1,086	6	555	7								
			Total	1,901	100	17,521	100	18,541	100	7,554	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	219	12	2,605	15	3,084	16	1,072	14	25%	25%	.02	21% ***	.11	25%	.00	
			Do not plan to do	935	49	8,058	46	8,863	47	3,331	43								
			Plan to do	262	14	2,580	15	2,827	16	1,248	17								
			Done or in progress	484	25	4,286	25	3,768	21	1,908	25								
			Total	1,900	100	17,529	100	18,542	100	7,559	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	151	8	2,217	12	2,413	13	928	12	45%	32% ***	.28	33% ***	.26	33% ***	.26	
			Do not plan to do	640	33	7,219	40	7,221	38	3,124	39								
			Plan to do	250	13	2,747	16	2,963	17	1,148	16								
			Done or in progress	864	45	5,338	32	5,941	33	2,359	33								
			Total	1,905	100	17,521	100	18,538	100	7,559	100								
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse		1 None	1,159	62	9,814	56	9,310	51	3,990	53	1.5	1.5 ***	-0.08	1.6 ***	-0.19	1.6 ***	-0.14	
			2 Some	610	32	6,387	37	7,407	40	3,010	40								
			3 Most	101	5	986	6	1,343	7	414	6								
			4 All	24	1	242	1	347	2	97	1								
			Total	1,894	100	17,429	100	18,407	100	7,511	100								
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Q1student		1 Poor	21	1	228	1	254	1	92	1	5.5	5.5	-0.03	5.5	-0.01	5.4	.01	
			2	40	2	359	2	398	2	180	2								
			3	76	4	747	4	826	4	333	4								
			4	204	11	1,836	10	1,978	11	832	11								
			5	533	28	4,581	26	4,877	26	2,046	27								
			6	620	32	5,420	31	5,540	30	2,313	30								
			7 Excellent	405	22	4,139	24	4,406	24	1,684	23								
			— Not applicable	5	0	174	1	199	1	56	1								
Total	1,904	100	17,484	100	18,478	100	7,536	100											

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo		U15 Institutions		ON Universities		U6 Institutions	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Academic advisors	QIadvisor	1	Poor	65	3	1,044	6	974	5	406	5	5.0	4.6 ***	.19	4.8 ***	.09	4.7 ***	.15	
		2		91	5	1,098	6	1,023	6	459	6								
		3		157	8	1,661	9	1,621	9	706	9								
		4		277	15	2,349	13	2,455	13	1,046	14								
		5		439	23	3,326	19	3,716	20	1,512	20								
		6		399	21	2,753	16	3,239	18	1,294	18								
		7	Excellent	346	18	2,416	14	3,217	18	1,031	15								
		—	Not applicable	125	7	2,814	15	2,191	12	1,064	13								
	Total	1,899	100	17,461	100	18,436	100	7,518	100										
c. Faculty	QIfaculty	1	Poor	36	2	450	3	507	3	180	2	5.1	5.1	.00	5.1	.02	5.1	.00	
		2		56	3	592	3	676	4	265	3								
		3		127	7	1,164	7	1,351	7	508	7								
		4		308	16	2,603	15	2,766	15	1,130	15								
		5		563	29	5,090	29	5,395	29	2,307	30								
		6		500	26	4,556	26	4,514	25	1,891	25								
		7	Excellent	266	14	2,629	16	2,909	16	1,097	15								
		—	Not applicable	41	2	373	2	327	2	141	2								
	Total	1,897	100	17,457	100	18,445	100	7,519	100										
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	86	5	873	5	875	5	367	5	4.6	4.6	-.01	4.7 **	-.07	4.7	-.05	
		2		88	5	869	5	910	5	408	5								
		3		181	9	1,345	8	1,391	8	621	8								
		4		303	16	2,176	13	2,274	12	980	13								
		5		422	22	3,050	18	3,390	18	1,432	19								
		6		303	16	2,528	15	2,858	16	1,231	17								
		7	Excellent	196	11	1,917	11	2,379	13	866	12								
		—	Not applicable	322	17	4,691	26	4,356	23	1,613	21								
	Total	1,901	100	17,449	100	18,433	100	7,518	100										

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				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	74	4	958	6	982	5	394	5	4.7	4.6 *	.06	4.7	-.01	4.7	.01	
		2		89	5	1,029	6	1,073	6	459	6								
		3		160	8	1,499	8	1,530	8	695	9								
		4		334	18	2,463	14	2,752	15	1,150	15								
		5		439	23	3,284	19	3,829	21	1,592	21								
		6		322	17	2,756	16	3,252	18	1,381	19								
		7	Excellent	203	11	1,912	11	2,459	13	887	12								
		—	Not applicable	283	15	3,556	20	2,578	14	968	13								
	Total			1,904	100	17,457	100	18,455	100	7,526	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	9	1	265	2	352	2	86	1	3.4	3.2 ***	.20	3.1 ***	.30	3.2 ***	.16	
		2	Some	232	12	2,760	16	3,615	20	1,157	16								
		3	Quite a bit	716	38	7,504	43	7,908	43	3,056	41								
		4	Very much	938	49	6,884	39	6,510	36	3,207	42								
			Total			1,895	100	17,413	100	18,385	100								7,506
b. Providing support to help students succeed academically	SEacademic	1	Very little	134	7	1,587	9	1,612	9	687	9	2.5	2.5 *	.05	2.6	-.03	2.5	.04	
		2	Some	770	41	7,109	41	7,017	38	3,109	41								
		3	Quite a bit	786	41	6,847	39	7,162	39	2,878	39								
		4	Very much	197	10	1,840	11	2,553	14	820	11								
			Total			1,887	100	17,383	100	18,344	100								7,494
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	274	15	2,692	16	2,616	15	1,044	15	2.4	2.4	.00	2.5 ***	-.13	2.4 **	-.07	
		2	Some	781	41	6,980	40	6,513	36	2,870	39								
		3	Quite a bit	650	34	5,878	34	6,555	36	2,710	36								
		4	Very much	183	9	1,808	10	2,633	14	852	11								
			Total			1,888	100	17,358	100	18,317	100								7,476
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	429	23	3,805	22	3,609	20	1,573	21	2.2	2.3 *	-.06	2.4 ***	-.14	2.3 ***	-.09	
		2	Some	738	39	6,652	38	6,667	37	2,864	38								
		3	Quite a bit	530	28	4,855	28	5,456	30	2,133	29								
		4	Very much	189	10	2,037	12	2,578	14	906	13								
			Total			1,886	100	17,349	100	18,310	100								7,476

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				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
e. Providing opportunities to be involved socially	SEsocial	1	Very little	261	14	2,329	13	2,434	13	1,034	14	2.4	2.5 ***	-0.11	2.5 ***	-0.15	2.5 ***	-0.12	
		2	Some	773	41	6,336	36	6,272	34	2,651	35								
		3	Quite a bit	644	34	6,394	37	6,748	37	2,738	37								
		4	Very much	205	11	2,266	13	2,829	15	1,036	14								
		Total		1,883	100	17,325	100	18,283	100	7,459	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	276	15	2,942	17	3,009	16	1,326	17	2.4	2.4	.01	2.4 **	-0.06	2.4	.01	
		2	Some	785	42	6,815	39	6,730	37	2,917	39								
		3	Quite a bit	637	34	5,684	33	6,076	34	2,418	33								
		4	Very much	182	10	1,886	11	2,481	13	809	11								
		Total		1,880	100	17,327	100	18,296	100	7,470	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	766	40	7,830	45	7,884	42	3,417	44	1.9	1.8 ***	.09	1.9	.01	1.8 **	.07	
		2	Some	688	37	6,095	35	6,202	34	2,556	35								
		3	Quite a bit	336	18	2,627	16	3,070	17	1,154	16								
		4	Very much	94	5	747	5	1,105	6	332	5								
		Total		1,884	100	17,299	100	18,261	100	7,459	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	373	20	3,322	19	3,534	19	1,403	19	2.2	2.3 ***	-0.10	2.3 ***	-0.13	2.3 ***	-0.12	
		2	Some	831	44	7,012	41	7,043	39	3,023	40								
		3	Quite a bit	553	29	5,343	31	5,629	31	2,280	31								
		4	Very much	123	7	1,605	9	2,036	11	745	10								
		Total		1,880	100	17,282	100	18,242	100	7,451	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	560	30	4,458	26	4,637	25	1,926	26	2.0	2.1 ***	-0.12	2.2 ***	-0.16	2.1 ***	-0.12	
		2	Some	838	44	7,655	44	7,676	42	3,279	44								
		3	Quite a bit	392	21	4,063	24	4,471	25	1,758	24								
		4	Very much	94	5	1,103	7	1,458	8	487	7								
		Total		1,884	100	17,279	100	18,242	100	7,450	100								
15. To what extent do you agree or disagree with the following statements?																			
a. I feel comfortable being myself at this institution.	sbmyself	1	Strongly disagree	37	2	531	3	569	3	232	3	3.2	3.1	.04	3.1 *	.05	3.1 **	.08	
		2	Disagree	178	10	1,704	10	1,820	10	818	11								
		3	Agree	1,117	58	9,952	57	10,537	57	4,333	57								
		4	Strongly agree	559	30	5,111	30	5,342	30	2,072	28								
		Total		1,891	100	17,298	100	18,268	100	7,455	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions					
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%				
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	169	9	1,953	12	1,960	11	891	12	2.7	2.6 ***	.08	2.6 *	.05	2.6 ***	.11			
		2	Disagree	554	29	5,229	30	5,466	30	2,413	32								△	△	△
		3	Agree	930	49	8,058	46	8,532	46	3,318	44										
		4	Strongly agree	235	13	2,039	12	2,296	13	817	12										
		Total		1,888	100	17,279	100	18,254	100	7,439	100										
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	109	6	1,503	9	1,566	9	668	9	2.8	2.7 ***	.08	2.7 *	.05	2.7 **	.06			
		2	Disagree	482	26	4,611	26	4,710	25	1,936	25								△	△	△
		3	Agree	1,047	55	8,772	50	9,251	50	3,783	51										
		4	Strongly agree	258	14	2,393	14	2,729	15	1,050	15										
		Total		1,896	100	17,279	100	18,256	100	7,437	100										
16. 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 <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	12	1	109	1	109	1	46	1	18.7	17.5 ***	.13	17.1 ***	.17	17.9 ***	.09			
		3	1-5 hrs	159	8	1,812	10	1,938	11	709	10										
		8	6-10 hrs	262	14	2,867	16	3,094	17	1,123	15										
		13	11-15 hrs	318	17	3,045	18	3,351	18	1,297	18										
		18	16-20 hrs	345	18	3,203	19	3,448	19	1,432	19								△	△	△
		23	21-25 hrs	288	15	2,337	14	2,452	14	1,064	14										
		28	26-30 hrs	172	9	1,506	9	1,496	8	705	9										
		33	More than 30 hrs	334	18	2,360	14	2,326	13	1,045	15										
		Total		1,890	100	17,239	100	18,214	100	7,421	100										

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmccurrhrs	0	0 hrs	553	29	7,370	42	7,939	43	2,676	35	5.8	4.8 *** ▲	.15	5.0 *** ▲	.12	5.6	.03	
	(Recorded version of tmccurr	3	1-5 hrs	685	36	5,032	29	5,028	28	2,275	30								
	created by NSSE.	8	6-10 hrs	282	15	2,160	13	2,185	12	1,061	14								
	Values are estimated number of hours per week.)	13	11-15 hrs	175	9	1,248	8	1,394	8	634	9								
		18	16-20 hrs	85	5	707	4	815	5	396	6								
		23	21-25 hrs	60	3	360	2	414	2	198	3								
		28	26-30 hrs	20	1	153	1	165	1	82	1								
		33	More than 30 hrs	23	1	181	1	237	1	90	1								
		Total			1,883	100	17,211	100	18,177	100	7,412	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	1,450	77	13,611	79	14,181	77	5,551	75	2.7	2.5	.04	2.8	-.01	3.0	-.05	
	(Recorded version of tmworkon	3	1-5 hrs	121	6	892	5	866	5	419	6								
	created by NSSE.	8	6-10 hrs	119	6	1,059	6	1,083	6	538	7								
	Values are estimated number of hours per week.)	13	11-15 hrs	71	4	772	5	949	5	434	6								
		18	16-20 hrs	52	3	443	3	534	3	238	3								
		23	21-25 hrs	45	2	242	1	317	2	137	2								
		28	26-30 hrs	9	0	66	0	95	1	35	1								
		33	More than 30 hrs	19	1	134	1	157	1	69	1								
		Total			1,886	100	17,219	100	18,182	100	7,421	100							
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	1,254	67	7,515	45	7,616	44	3,648	50	5.0	8.6 *** ▼	-.35	9.7 *** ▼	-.43	7.8 *** ▼	-.28	
	(Recorded version of tmworkoff	3	1-5 hrs	106	5	1,274	7	1,175	6	538	7								
	created by NSSE.	8	6-10 hrs	124	6	1,840	10	1,635	9	653	9								
	Values are estimated number of hours per week.)	13	11-15 hrs	134	7	1,954	11	1,980	11	781	10								
		18	16-20 hrs	108	6	1,990	11	2,179	11	762	10								
		23	21-25 hrs	80	4	1,169	6	1,421	8	481	6								
		28	26-30 hrs	19	1	543	3	771	4	218	3								
		33	More than 30 hrs	64	3	947	6	1,406	8	339	5								
		Total			1,889	100	17,232	100	18,183	100	7,420	100							
Estimated number of hours working for pay	tmworkhrs										7.7	11.1 *** ▼	-.28	12.5 *** ▼	-.38	10.8 *** ▼	-.25		
	(Continuous variable created by NSSE)																		

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NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UWaterloo		U15 Institutions		ON Universities		U6 Institutions		UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Effect size ^e	Effect size ^e	Effect size ^e
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Mean	Mean
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	1,212	65	9,999	59	10,536	59	4,174	57	2.7	2.9	-.05	3.3 ***	-.10	3.3 ***	-.10
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	396	20	4,417	25	4,248	23	1,884	24							
	8	6-10 hrs	112	6	1,386	8	1,515	8	638	8								
	13	11-15 hrs	73	4	644	4	807	4	323	4								
	18	16-20 hrs	43	2	395	2	491	3	190	3								
	23	21-25 hrs	34	2	195	1	290	2	107	2								
	28	26-30 hrs	6	0	71	0	110	1	35	1								
	33	More than 30 hrs	7	0	118	1	172	1	63	1								
	Total			1,883	100	17,225	100	18,169	100	7,414	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	22	1	315	2	393	2	116	2	13.7	12.6 ***	.13	12.8 ***	.10	13.2 *	.05
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	259	13	3,255	18	3,346	18	1,245	16							
	8	6-10 hrs	499	26	4,651	27	4,817	26	1,921	25								
	13	11-15 hrs	453	24	3,853	23	4,081	22	1,738	23								
	18	16-20 hrs	317	17	2,632	16	2,754	16	1,197	16								
	23	21-25 hrs	160	9	1,111	7	1,204	7	528	7								
	28	26-30 hrs	56	3	494	3	532	3	255	4								
	33	More than 30 hrs	113	6	898	6	1,052	6	413	6								
	Total			1,879	100	17,209	100	18,179	100	7,413	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	1,425	75	12,273	71	11,764	65	5,211	70	2.4	3.1 ***	-.09	4.0 ***	-.20	3.1 ***	-.10
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	206	11	2,151	12	2,481	14	948	13							
	8	6-10 hrs	83	4	991	6	1,274	7	470	7								
	13	11-15 hrs	67	4	558	3	874	5	282	4								
	18	16-20 hrs	45	2	417	2	562	3	188	3								
	23	21-25 hrs	33	2	245	1	322	2	116	2								
	28	26-30 hrs	9	1	85	1	158	1	36	1								
	33	More than 30 hrs	15	1	466	3	699	4	142	2								
	Total			1,883	100	17,186	100	18,134	100	7,393	100							

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	122	7	1,118	7	1,518	8	434	6	5.4	6.6 ***	-0.21	6.7 ***	-0.22	6.7 ***	-0.22	
		3	1-5 hrs	1,191	63	8,319	48	8,527	47	3,720	50								
		8	6-10 hrs	353	18	4,657	27	4,561	25	1,872	25								
		13	11-15 hrs	123	7	1,848	11	2,009	11	770	10								
		18	16-20 hrs	45	2	714	4	871	5	340	4								
		23	21-25 hrs	33	2	315	2	387	2	165	2								
		28	26-30 hrs	10	1	99	1	118	1	50	1								
		33	More than 30 hrs	11	1	168	1	199	1	74	1								
			Total	1,888	100	17,238	100	18,190	100	7,425	100								
17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
reading	tmreadinghrs	1	Very little	541	29	3,006	19	2,963	17	1,230	18	2.2	2.7 ***	-0.38	2.7 ***	-0.42	2.7 ***	-0.39	
		2	Some	703	38	5,176	31	5,343	30	2,246	31								
		3	About half	358	19	4,067	23	4,467	24	1,785	23								
		4	Most	201	10	3,325	19	3,589	19	1,416	18								
		5	Almost all	80	4	1,597	9	1,757	9	721	9								
			Total	1,883	100	17,171	100	18,119	100	7,398	100								
<i>(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)</i>																			
tmreadinghrscol (Collapsed version of tmreadinghrs created by NSSE.)	tmreadinghrscol	1	0 hrs	12	1	106	1	107	1	44	1	6.1	7.5 ***	-0.21	7.6 ***	-0.23	7.6 ***	-0.24	
		2	More than zero, up to 5 hrs	1,015	55	7,624	46	7,985	45	3,124	44								
		3	More than 5, up to 10 hrs	552	29	5,074	30	5,257	29	2,243	30								
		4	More than 10, up to 15 hrs	129	7	1,839	10	2,029	11	830	11								
		5	More than 15, up to 20 hrs	95	5	1,226	7	1,335	7	583	7								
		6	More than 20, up to 25 hrs	53	3	857	5	913	5	377	5								
		7	More than 25 hrs	24	1	382	2	427	2	164	2								
			Total	1,880	100	17,108	100	18,053	100	7,365	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
18. 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	126	7	817	5	837	5	266	4	2.8	3.0 ***	-0.17	3.0 ***	-0.21	3.0 ***	-0.24	
		2	Some	513	27	3,883	23	3,794	21	1,552	22								
		3	Quite a bit	811	43	7,341	42	7,889	43	3,173	42								
		4	Very much	434	23	5,158	30	5,648	31	2,415	32								
		Total		1,884	100	17,199	100	18,168	100	7,406	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	197	11	1,602	9	1,697	9	642	9	2.6	2.7 ***	-0.13	2.8 ***	-0.17	2.8 ***	-0.17	
		2	Some	632	34	5,165	30	5,132	28	2,169	29								
		3	Quite a bit	731	39	6,630	38	6,972	38	2,840	39								
		4	Very much	317	17	3,772	22	4,331	24	1,733	24								
		Total		1,877	100	17,169	100	18,132	100	7,384	100								
c. Thinking critically and analytically	pgthink	1	Very little	32	2	383	2	436	2	151	2	3.2	3.2	-0.03	3.2	-0.02	3.3 **	-0.07	
		2	Some	294	16	2,309	14	2,508	14	956	13								
		3	Quite a bit	777	41	7,135	41	7,462	40	2,932	39								
		4	Very much	777	42	7,357	43	7,739	43	3,358	46								
		Total		1,880	100	17,184	100	18,145	100	7,397	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	93	5	1,952	11	2,221	12	768	10	3.1	2.8 ***	.27	2.8 ***	.29	2.9 ***	.22	
		2	Some	403	21	4,573	26	4,852	26	1,892	25								
		3	Quite a bit	685	36	5,886	34	6,149	34	2,572	35								
		4	Very much	702	38	4,758	29	4,917	29	2,159	31								
		Total		1,883	100	17,169	100	18,139	100	7,391	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	123	6	2,632	15	2,646	15	1,240	16	3.0	2.6 ***	.38	2.6 ***	.38	2.5 ***	.44	
		2	Some	449	24	5,354	31	5,686	31	2,425	32								
		3	Quite a bit	693	37	5,672	33	5,944	33	2,325	32								
		4	Very much	619	33	3,518	21	3,853	21	1,401	20								
		Total		1,884	100	17,176	100	18,129	100	7,391	100								
f. Working effectively with others	pgothers	1	Very little	96	5	1,126	7	1,246	7	510	7	2.9	2.8	.05	2.9	.02	2.8	.04	
		2	Some	512	28	4,722	27	4,747	26	2,075	28								
		3	Quite a bit	793	42	7,212	42	7,363	40	2,985	40								
		4	Very much	481	25	4,116	24	4,771	26	1,820	25								
		Total		1,882	100	17,176	100	18,127	100	7,390	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Waterloo

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your 4th-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UWaterloo				U15 Institutions				ON Universities				U6 Institutions			
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	270	15	2,382	14	2,371	14	1,060	15	2.5	2.6 **	-07	2.6 ***	-11	2.6 **	-07	
		2	Some	631	33	5,356	31	5,394	30	2,319	31								
		3	Quite a bit	686	36	6,161	36	6,510	35	2,576	34								
		4	Very much	298	16	3,277	19	3,841	21	1,441	20								
		Total		1,885	100	17,176	100	18,116	100	7,396	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	266	15	1,924	12	1,839	11	771	11	2.6	2.7 ***	-14	2.8 ***	-20	2.7 ***	-16	
		2	Some	620	33	5,228	31	5,102	29	2,260	31								
		3	Quite a bit	646	34	6,158	35	6,581	36	2,632	35								
		4	Very much	346	18	3,866	22	4,603	25	1,727	23								
		Total		1,878	100	17,176	100	18,125	100	7,390	100								
i. Solving complex real-world problems	pgprobolve	1	Very little	143	8	1,954	11	2,054	11	811	11	2.8	2.7 ***	.17	2.7 ***	.15	2.7 ***	.15	
		2	Some	528	28	5,612	32	5,744	32	2,430	32								
		3	Quite a bit	779	41	6,230	36	6,545	36	2,650	36								
		4	Very much	439	24	3,390	20	3,793	21	1,508	21								
		Total		1,889	100	17,186	100	18,136	100	7,399	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	356	19	2,584	16	2,655	15	1,109	16	2.4	2.5 ***	-13	2.6 ***	-17	2.5 ***	-14	
		2	Some	660	35	5,843	34	5,865	33	2,487	34								
		3	Quite a bit	616	32	5,661	32	6,054	33	2,419	32								
		4	Very much	257	14	3,111	18	3,575	20	1,385	19								
		Total		1,889	100	17,199	100	18,149	100	7,400	100								
19. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	39	2	768	5	860	5	319	5	3.1	2.9 ***	.17	2.9 ***	.18	3.0 ***	.14	
		2	Fair	304	16	3,433	20	3,754	20	1,470	20								
		3	Good	1,036	54	9,304	53	9,473	51	3,902	51								
		4	Excellent	516	27	3,758	23	4,137	23	1,740	25								
		Total		1,895	100	17,263	100	18,224	100	7,431	100								
20. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	56	3	848	5	1,054	6	385	5	3.2	3.1 ***	.16	3.0 ***	.23	3.0 ***	.19	
		2	Probably no	232	12	2,832	16	3,233	17	1,289	17								
		3	Probably yes	902	47	8,245	47	8,716	47	3,539	47								
		4	Definitely yes	706	37	5,399	32	5,295	29	2,249	31								
		Total		1,896	100	17,324	100	18,298	100	7,462	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^B

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	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:						
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions				
1 a. askquest	2,977	2.39	2.34	2.44	2.38	.015	.004	.004	.006	.84	.85	.85	.84	47,420	3,415	22,173	.001	.004	.425	.06	-.05	.02				
b. CLaskhelp	2,975	2.82	2.63	2.61	2.65	.016	.004	.004	.007	.89	.91	.92	.91	3,406	3,423	3,994	.000	.000	.000	.21	.23	.19				
c. CLexplain	2,971	2.77	2.66	2.65	2.68	.015	.004	.004	.006	.83	.85	.86	.85	3,404	3,429	3,993	.000	.000	.000	.14	.14	.11				
d. CLstudy	2,967	2.68	2.54	2.50	2.55	.018	.005	.005	.007	.96	.98	.99	.97	3,394	3,416	21,988	.000	.000	.000	.15	.18	.13				
e. CLproject	2,957	2.75	2.63	2.56	2.60	.016	.005	.005	.007	.89	.94	.94	.93	3,416	3,424	4,025	.000	.000	.000	.12	.20	.15				
f. present	2,959	2.05	1.76	1.82	1.74	.015	.004	.004	.006	.80	.82	.87	.83	3,397	3,465	4,026	.000	.000	.000	.35	.26	.37				
2 a. RIntegrate	2,944	2.57	2.61	2.61	2.61	.015	.004	.004	.006	.81	.85	.85	.84	3,393	3,414	3,983	.006	.004	.003	-.05	-.05	-.06				
b. RSocietal	2,935	2.33	2.54	2.53	2.52	.017	.004	.004	.007	.90	.90	.90	.90	3,356	3,371	3,919	.000	.000	.000	-.22	-.22	-.21				
c. RIdiverse	2,922	2.24	2.37	2.48	2.42	.017	.005	.005	.007	.93	.95	.96	.95	3,361	3,383	3,963	.000	.000	.000	-.14	-.25	-.19				
d. Rlownview	2,898	2.61	2.67	2.71	2.70	.015	.004	.004	.006	.82	.83	.83	.82	44,685	43,286	21,007	.000	.000	.000	-.07	-.12	-.11				
e. Rlperspect	2,888	2.73	2.81	2.85	2.84	.015	.004	.004	.006	.80	.81	.81	.80	43,916	3,332	3,877	.000	.000	.000	-.10	-.14	-.14				
f. Rlnewview	2,863	2.85	2.90	2.88	2.90	.014	.004	.004	.006	.78	.79	.79	.79	43,167	41,964	20,405	.003	.044	.001	-.06	-.04	-.07				
g. Rlconnect	2,859	3.04	3.08	3.06	3.08	.014	.004	.004	.006	.74	.74	.76	.74	42,676	3,314	3,863	.014	.214	.010	-.05	-.02	-.05				
3 a. SFcareer	2,859	1.84	1.76	1.80	1.80	.017	.004	.005	.007	.92	.89	.92	.91	42,612	41,453	20,191	.000	.032	.017	.09	.04	.05				
b. SFotherwork	2,841	1.61	1.51	1.57	1.58	.016	.004	.004	.006	.84	.81	.85	.85	3,228	41,254	20,070	.000	.036	.102	.12	.04	.03				
c. SFdiscuss	2,840	1.91	1.79	1.83	1.84	.017	.004	.005	.007	.91	.88	.90	.90	42,114	3,270	19,956	.000	.000	.000	.14	.09	.08				
d. SFperform	2,843	1.75	1.66	1.75	1.71	.016	.004	.004	.007	.88	.84	.87	.86	3,229	41,007	19,976	.000	.710	.014	.11	.01	.05				
4 a. memorize	2,834	2.95	3.04	2.98	3.02	.016	.004	.004	.006	.83	.83	.84	.84	41,849	40,755	19,872	.000	.050	.000	-.10	-.04	-.08				
b. HOapply	2,829	3.18	3.03	3.00	3.07	.015	.004	.004	.006	.81	.82	.83	.81	3,262	3,286	3,846	.000	.000	.000	.18	.21	.13				
c. HOanalyze	2,818	2.99	2.93	2.92	2.97	.015	.004	.004	.006	.81	.83	.84	.83	3,265	3,284	3,867	.000	.000	.292	.07	.08	.02				
d. HOevaluate	2,810	2.64	2.74	2.80	2.79	.017	.005	.005	.007	.91	.88	.87	.88	3,209	3,206	3,737	.000	.000	.000	-.11	-.18	-.17				
e. HOform	2,813	2.83	2.82	2.85	2.86	.016	.004	.004	.007	.83	.84	.84	.84	40,743	39,684	19,436	.494	.276	.110	.01	-.02	-.03				
5 a. ETgoals	2,803	2.99	2.95	2.93	2.93	.014	.004	.004	.006	.76	.77	.79	.77	3,252	3,290	3,859	.002	.000	.000	.06	.08	.08				
b. ETorganize	2,795	2.88	2.86	2.83	2.85	.015	.004	.004	.006	.80	.79	.82	.80	40,373	3,259	19,283	.255	.001	.066	.02	.06	.04				
c. ETexample	2,788	2.98	2.95	2.91	2.93	.015	.004	.004	.006	.79	.80	.83	.81	40,287	3,268	3,837	.062	.000	.002	.04	.09	.06				
d. ETdraftfb	2,789	2.40	2.34	2.38	2.33	.018	.005	.005	.007	.93	.93	.96	.94	40,209	3,259	19,202	.003	.346	.001	.06	.02	.07				
e. ETfeedback	2,784	2.53	2.40	2.41	2.39	.016	.005	.005	.007	.84	.88	.91	.89	3,254	3,303	3,906	.000	.000	.000	.15	.13	.16				
f. etcriteria	2,779	2.79	2.76	2.76	2.74	.016	.004	.005	.007	.82	.84	.86	.84	3,230	3,272	3,848	.184	.192	.004	.03	.02	.06				
g. etreview	2,774	2.86	2.80	2.82	2.79	.015	.004	.004	.006	.80	.81	.82	.81	3,216	3,235	3,807	.000	.011	.000	.07	.05	.08				
h. etprefer	2,765	2.54	2.47	2.47	2.47	.016	.004	.005	.007	.82	.83	.86	.84	39,634	3,247	18,936	.000	.000	.000	.09	.08	.08				
i. etdemonstrate	2,766	3.08	2.97	2.99	2.97	.015	.004	.004	.006	.79	.81	.83	.82	39,587	38,623	18,936	.000	.000	.000	.13	.10	.13				

NSSE 2023 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 ^j			Significance ^k			Effect size ^e		
	UWaterloo	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:						
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions				
6 a. QRconclude	2,749	2.63	2.53	2.52	2.56	.016	.005	.005	.007	.86	.90	.91	.89	3,216	3,240	3,838	.000	.000	.000	.12	.13	.09				
b. QRproblem	2,737	2.27	2.25	2.30	2.33	.018	.005	.005	.007	.92	.92	.92	.92	38,757	37,929	18,587	.330	.065	.002	.02	-.04	-.07				
c. QRevaluate	2,745	2.35	2.30	2.32	2.37	.017	.005	.005	.007	.89	.90	.90	.90	38,579	37,770	18,532	.007	.158	.109	.05	.03	-.03				
7 a. wrshortnum	2,736	6.70	6.49	6.92	6.91	.112	.031	.032	.048	5.87	5.84	5.91	5.99	38,384	37,636	18,455	.079	.058	.077	.03	-.04	-.04				
b. wrmednum	2,729	3.09	3.04	3.47	3.36	.079	.023	.025	.037	4.13	4.29	4.57	4.60	38,222	3,276	4,001	.624	.000	.002	.01	-.08	-.06				
c. wrlongnum	2,734	1.83	1.77	2.06	2.10	.074	.021	.023	.035	3.87	3.99	4.37	4.39	38,254	3,306	4,064	.386	.003	.001	.02	-.05	-.06				
— wrpages	2,711	71.21	69.61	78.66	78.29	1.770	.513	.561	.839	92.15	96.18	104.12	104.51	37,896	3,280	4,028	.403	.000	.000	.02	-.07	-.07				
8 a. DDrace	2,737	3.23	3.10	3.11	3.16	.016	.005	.005	.007	.86	.89	.89	.87	38,360	37,572	18,442	.000	.000	.000	.14	.14	.08				
b. DDeconomic	2,726	3.02	2.94	2.97	3.01	.017	.005	.005	.007	.87	.89	.89	.87	3,176	37,455	18,381	.000	.002	.458	.09	.06	.02				
c. DDreligion	2,718	3.09	2.93	2.99	3.02	.017	.005	.005	.007	.89	.93	.92	.90	3,197	37,419	18,359	.000	.000	.000	.18	.11	.07				
d. DDpolitical	2,720	2.72	2.67	2.69	2.70	.018	.005	.005	.007	.93	.93	.94	.93	38,196	37,402	18,356	.010	.101	.301	.05	.03	.02				
e. ddsexorient	2,730	2.75	2.76	2.74	2.76	.019	.005	.005	.008	.99	.98	.99	.98	38,206	37,386	18,353	.428	.666	.534	-.02	.01	-.01				
f. ddcountry	2,731	3.13	3.12	3.08	3.16	.017	.005	.005	.007	.86	.89	.90	.87	3,196	3,219	3,772	.419	.004	.163	.02	.06	-.03				
9 a. LSreading	2,720	2.86	2.94	2.93	2.95	.016	.004	.004	.006	.81	.80	.79	.79	3,143	3,144	3,689	.000	.000	.000	-.10	-.09	-.11				
b. LSnotes	2,718	2.75	2.75	2.72	2.73	.017	.005	.005	.007	.88	.91	.89	.90	3,176	37,198	3,770	.950	.200	.341	.00	.03	.02				
c. LSsummary	2,716	2.84	2.83	2.78	2.80	.016	.005	.005	.007	.85	.88	.86	.87	3,182	3,174	3,780	.654	.001	.051	.01	.06	.04				
10 challenge	2,707	5.33	5.37	5.29	5.34	.025	.007	.007	.010	1.29	1.27	1.30	1.29	37,816	36,998	18,167	.115	.123	.779	-.03	.03	-.01				
11 a. intern ^l	2,705	23%	7%	6%	5%	.008	.001	.001	.002	--	--	--	--	--	--	--	.000	.000	.000	.46	.52	.54				
b. leader ^l	2,696	11%	9%	9%	10%	.006	.001	.002	.002	--	--	--	--	--	--	--	.000	.000	.002	.10	.10	.06				
c. learncom ^l	2,690	13%	10%	8%	10%	.006	.002	.001	.002	--	--	--	--	--	--	--	.000	.000	.000	.08	.14	.09				
d. abroad ^l	2,690	2%	3%	3%	3%	.003	.001	.001	.001	--	--	--	--	--	--	--	.062	.009	.004	-.04	-.06	-.07				
e. research ^l	2,693	3%	3%	3%	3%	.003	.001	.001	.001	--	--	--	--	--	--	--	.580	.861	.818	-.01	.00	.00				
f. capstone ^l	2,689	3%	3%	3%	3%	.003	.001	.001	.001	--	--	--	--	--	--	--	.580	.831	.542	.01	.00	.01				
12 servcourse	2,664	1.51	1.48	1.56	1.56	.014	.004	.004	.006	.71	.69	.72	.71	37,218	3,120	17,910	.069	.000	.001	.04	-.07	-.07				
13 a. Qlstudent	2,663	5.47	5.43	5.33	5.38	.025	.007	.008	.011	1.29	1.33	1.39	1.35	3,123	3,178	3,765	.143	.000	.001	.03	.10	.07				
b. Qladvisor	2,242	4.95	4.82	4.89	4.82	.034	.010	.010	.015	1.60	1.66	1.64	1.63	2,667	29,785	3,164	.000	.083	.000	.08	.04	.08				
c. Qlfaculty	2,562	5.05	5.01	4.93	4.94	.027	.008	.008	.012	1.38	1.42	1.49	1.46	35,112	3,061	3,663	.225	.000	.000	.02	.08	.08				
d. Qlstaff	2,279	4.93	4.88	4.90	4.88	.032	.010	.010	.015	1.51	1.63	1.64	1.62	2,775	2,759	3,326	.097	.361	.159	.03	.02	.03				
e. Qladmin	2,112	4.80	4.79	4.82	4.80	.033	.010	.010	.015	1.53	1.63	1.64	1.61	2,525	2,510	2,985	.755	.468	.897	.01	-.02	.00				

NSSE 2023 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 ^j			Significance ^k			Effect size ^e		
	UWaterloo	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:		
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions
14 a. empstudy	2,691	3.37	3.21	3.10	3.21	.014	.004	.004	.006	.74	.75	.78	.76	3,135	3,182	17,886	.000	.000	.000	.22	.35	.21
b. SEacademic	2,675	2.75	2.72	2.75	2.73	.015	.004	.005	.007	.77	.81	.83	.81	3,142	3,186	3,791	.024	.663	.149	.04	.01	.03
c. SElearnsup	2,670	2.65	2.65	2.71	2.70	.017	.005	.005	.007	.88	.89	.91	.89	37,021	36,210	17,813	.863	.001	.006	.00	-.07	-.06
d. SEdiverse	2,671	2.52	2.49	2.55	2.53	.018	.005	.005	.008	.92	.95	.95	.94	3,129	3,133	17,806	.153	.069	.373	.03	-.04	-.02
e. SESocial	2,675	2.62	2.65	2.68	2.66	.017	.005	.005	.007	.88	.88	.90	.89	36,943	36,152	17,777	.075	.000	.019	-.04	-.08	-.05
f. SEwellness	2,672	2.58	2.58	2.64	2.61	.017	.005	.005	.007	.87	.90	.91	.90	3,133	3,159	3,752	.933	.001	.084	.00	-.06	-.04
g. SENonacad	2,675	2.05	2.00	2.08	2.04	.017	.005	.005	.008	.90	.91	.94	.92	36,834	3,152	17,739	.014	.092	.670	.05	-.03	.01
h. SEactivities	2,669	2.42	2.49	2.53	2.51	.017	.005	.005	.007	.88	.90	.92	.90	3,115	3,151	3,718	.000	.000	.000	-.08	-.12	-.10
i. SEevents	2,676	2.15	2.24	2.29	2.25	.017	.005	.005	.007	.90	.90	.92	.90	3,109	3,145	3,707	.000	.000	.000	-.09	-.15	-.11
15 a. sbmyself	2,681	3.16	3.15	3.11	3.11	.013	.004	.004	.006	.66	.68	.69	.68	36,842	36,091	17,763	.520	.001	.002	.01	.06	.06
b. sbvalued	2,683	2.76	2.72	2.73	2.68	.015	.004	.004	.006	.76	.79	.77	.78	3,148	36,047	3,759	.010	.046	.000	.05	.04	.10
c. sbcommunity	2,686	2.86	2.81	2.81	2.81	.014	.004	.004	.006	.74	.77	.77	.76	3,155	3,165	3,773	.000	.000	.001	.07	.07	.07
16 a. tmprephrs	2,682	20.26	17.90	17.04	18.03	.183	.050	.049	.074	9.46	9.18	8.95	9.13	3,091	3,080	3,626	.000	.000	.000	.26	.36	.24
b. tmcocurrhrs	2,674	5.01	4.08	4.51	4.71	.126	.033	.036	.053	6.51	6.16	6.57	6.49	3,062	35,923	17,680	.000	.000	.026	.15	.08	.05
c. tmworkonhrs	2,685	1.67	1.35	1.71	1.69	.105	.026	.030	.044	5.45	4.83	5.42	5.42	3,025	35,958	17,706	.004	.704	.840	.06	-.01	.00
d. tmworkoffhrs	2,685	2.82	5.28	5.56	3.95	.130	.045	.048	.061	6.72	8.33	8.71	7.45	3,369	3,454	3,956	.000	.000	.000	-.30	-.32	-.15
— tmworkhrs	2,682	4.47	6.61	7.24	5.60	.205	.058	.064	.090	10.61	10.72	11.69	11.00	3,129	3,230	3,786	.000	.000	.000	-.20	-.24	-.10
e. tmservicehrs	2,678	1.97	2.03	2.39	2.23	.097	.026	.030	.043	5.05	4.81	5.46	5.31	36,697	3,204	3,815	.525	.000	.013	-.01	-.08	-.05
f. tmrelaxhrs	2,680	12.78	12.56	13.07	13.04	.163	.045	.047	.069	8.42	8.34	8.64	8.45	36,676	3,150	17,683	.190	.078	.130	.03	-.03	-.03
g. tmcarehrs	2,676	2.37	2.68	3.38	2.78	.113	.034	.037	.051	5.83	6.30	6.78	6.19	3,188	3,288	3,833	.009	.000	.001	-.05	-.15	-.07
h. tmcommutehrs	2,680	4.76	6.24	6.43	6.08	.107	.034	.036	.053	5.54	6.26	6.65	6.45	3,241	3,334	4,091	.000	.000	.000	-.24	-.25	-.21
17 reading	2,667	2.28	2.68	2.68	2.67	.022	.006	.006	.009	1.12	1.17	1.15	1.15	3,135	3,131	3,739	.000	.000	.000	-.34	-.35	-.34
— tmreadinghrs	2,660	6.85	7.66	7.38	7.68	.118	.035	.034	.052	6.10	6.42	6.26	6.36	3,142	3,127	3,764	.000	.000	.000	-.13	-.08	-.13

NSSE 2023 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	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:		
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions
18 a. pgwrite	2,684	2.58	2.59	2.65	2.64	.017	.005	.005	.007	.89	.89	.87	.88	36,589	3,116	17,648	.566	.000	.002	-.01	-.08	-.06
b. pgspeak	2,680	2.44	2.34	2.42	2.37	.018	.005	.005	.008	.92	.95	.95	.96	36,539	3,156	3,784	.000	.267	.000	.11	.02	.07
c. pgthink	2,679	3.13	3.01	3.03	3.05	.015	.004	.004	.007	.78	.82	.81	.82	36,494	35,810	17,591	.000	.000	.000	.14	.13	.10
d. pganalyze	2,672	2.93	2.66	2.61	2.69	.018	.005	.005	.008	.92	.99	1.00	.99	3,171	3,197	3,843	.000	.000	.000	.28	.32	.25
e. pgwork	2,674	2.64	2.37	2.37	2.35	.018	.005	.005	.008	.95	.97	.96	.96	36,490	35,791	17,593	.000	.000	.000	.28	.28	.30
f. pgothers	2,675	2.72	2.59	2.61	2.60	.017	.005	.005	.008	.88	.92	.93	.94	3,153	3,172	3,833	.000	.000	.000	.14	.13	.13
g. pgvalues	2,671	2.46	2.46	2.50	2.48	.019	.005	.005	.008	.97	.95	.95	.96	36,470	35,767	17,578	.682	.039	.509	.01	-.04	-.01
h. pgdiverse	2,674	2.50	2.59	2.66	2.63	.019	.005	.005	.008	.97	.96	.96	.96	36,474	3,104	3,659	.000	.000	.000	-.10	-.17	-.15
i. pgprobolve	2,675	2.64	2.51	2.53	2.56	.018	.005	.005	.008	.93	.94	.94	.95	36,497	35,789	17,599	.000	.000	.000	.13	.11	.08
j. pgcitizen	2,676	2.33	2.44	2.48	2.46	.018	.005	.005	.008	.95	.96	.95	.96	36,536	35,849	17,627	.000	.000	.000	-.12	-.16	-.14
19 evalexp	2,691	2.97	2.91	2.88	2.90	.014	.004	.004	.006	.74	.74	.76	.76	3,133	3,165	3,763	.000	.000	.000	.08	.11	.09
20 sameinst	2,692	3.18	3.15	3.07	3.10	.015	.004	.004	.006	.75	.76	.78	.78	36,811	3,175	17,761	.051	.000	.000	.04	.14	.10
21 returnexp ^l	2,688	94%	90%	89%	90%	.0047	.0016	.0017	.0024	--	--	--	--	--	--	--	.000	.000	.000	.12	.15	.13

PSIS: 35017001

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^g University of Waterloo

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
	UWaterloo	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:						
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions				
1 a. askquest	2,061	2.44	2.64	2.75	2.71	.019	.005	.005	.008	.84	.91	.90	.90	2,365	2,378	2,788	.000	.000	.000	-.22	-.34	-.30				
b. CLaskhelp	2,063	2.51	2.41	2.42	2.41	.019	.005	.005	.008	.87	.91	.92	.91	2,350	2,373	2,755	.000	.000	.000	.11	.10	.11				
c. CLexplain	2,054	2.59	2.58	2.62	2.60	.018	.005	.005	.007	.81	.86	.87	.87	2,352	2,376	2,777	.726	.119	.742	.01	-.03	-.01				
d. CLstudy	2,045	2.43	2.38	2.38	2.38	.021	.005	.006	.008	.93	.99	1.00	.99	2,343	2,367	2,763	.034	.023	.041	.05	.05	.05				
e. CLproject	2,049	2.84	2.87	2.85	2.85	.020	.005	.005	.008	.90	.93	.94	.93	2,334	2,352	2,724	.106	.630	.551	-.04	-.01	-.01				
f. present	2,045	2.34	2.52	2.59	2.57	.020	.005	.005	.008	.90	.94	.94	.92	2,329	2,348	2,713	.000	.000	.000	-.19	-.27	-.25				
2 a. RIntegrate	2,038	2.65	2.85	2.88	2.87	.018	.005	.005	.007	.80	.84	.84	.84	34,478	32,895	15,954	.000	.000	.000	-.24	-.28	-.27				
b. RIsocietal	2,025	2.40	2.75	2.77	2.76	.020	.005	.005	.008	.90	.91	.92	.91	34,224	32,645	15,832	.000	.000	.000	-.38	-.40	-.39				
c. RIdiverse	2,021	2.20	2.51	2.62	2.59	.021	.006	.006	.008	.96	.98	.99	.98	2,296	2,315	2,683	.000	.000	.000	-.32	-.42	-.40				
d. Rlownview	2,015	2.52	2.73	2.78	2.77	.019	.005	.005	.007	.84	.84	.84	.83	2,272	2,288	2,625	.000	.000	.000	-.26	-.31	-.30				
e. Rlperspect	2,002	2.66	2.85	2.89	2.88	.019	.005	.005	.007	.84	.82	.83	.82	2,255	2,268	2,599	.000	.000	.000	-.23	-.29	-.27				
f. Rlnewview	1,994	2.79	2.93	2.95	2.96	.017	.004	.005	.007	.77	.78	.79	.78	2,266	2,285	2,651	.000	.000	.000	-.19	-.20	-.21				
g. Rlconnect	1,989	2.98	3.13	3.13	3.13	.017	.004	.004	.007	.75	.74	.75	.75	2,251	2,272	2,631	.000	.000	.000	-.20	-.21	-.21				
3 a. SFcareer	1,981	1.93	1.98	2.05	2.03	.021	.005	.006	.008	.92	.93	.96	.93	32,538	31,131	15,189	.054	.000	.000	-.04	-.12	-.10				
b. SFotherwork	1,979	1.76	1.71	1.75	1.77	.020	.005	.006	.008	.90	.92	.95	.94	32,451	2,282	15,133	.027	.564	.558	.05	.01	-.01				
c. SFdiscuss	1,981	1.94	1.95	1.97	2.00	.020	.005	.005	.008	.88	.90	.92	.91	32,227	30,793	15,055	.583	.088	.002	-.01	-.04	-.07				
d. SFperform	1,979	1.76	1.77	1.89	1.85	.019	.005	.005	.008	.85	.85	.88	.87	32,256	30,812	15,058	.439	.000	.000	-.02	-.15	-.11				
4 a. memorize	1,977	2.70	2.81	2.78	2.80	.020	.005	.005	.008	.87	.90	.91	.90	32,063	30,608	14,952	.000	.000	.000	-.12	-.08	-.11				
b. HOapply	1,972	2.98	3.02	3.02	3.04	.018	.005	.005	.007	.78	.80	.81	.80	2,253	2,275	2,652	.040	.057	.001	-.05	-.04	-.08				
c. HOanalyze	1,966	2.88	2.97	2.98	3.01	.018	.005	.005	.007	.81	.83	.83	.83	31,690	30,222	14,783	.000	.000	.000	-.11	-.13	-.16				
d. HOevaluate	1,952	2.65	2.84	2.90	2.90	.020	.005	.005	.008	.88	.88	.87	.88	2,215	2,223	2,578	.000	.000	.000	-.22	-.29	-.29				
e. HOform	1,950	2.79	2.88	2.92	2.93	.019	.005	.005	.007	.82	.83	.83	.82	31,382	2,234	2,580	.000	.000	.000	-.12	-.16	-.18				
5 a. ETgoals	1,945	2.93	2.99	2.97	2.99	.017	.005	.005	.007	.76	.77	.80	.77	31,210	29,832	14,616	.002	.061	.002	-.07	-.04	-.07				
b. ETorganize	1,936	2.85	2.91	2.88	2.92	.017	.005	.005	.007	.77	.78	.81	.78	31,089	2,249	14,544	.000	.070	.000	-.09	-.04	-.09				
c. ETexample	1,943	2.94	2.97	2.93	2.96	.018	.005	.005	.007	.77	.80	.83	.81	31,033	2,269	2,639	.209	.399	.315	-.03	.02	-.02				
d. ETdraftfb	1,941	2.41	2.47	2.52	2.52	.020	.006	.006	.008	.90	.95	.96	.94	2,236	2,260	2,639	.004	.000	.000	-.06	-.12	-.12				
e. ETfeedback	1,934	2.53	2.51	2.54	2.55	.018	.005	.005	.008	.80	.88	.90	.88	2,256	2,283	2,699	.216	.649	.335	.03	-.01	-.02				
f. etcriteria	1,927	2.73	2.80	2.80	2.80	.018	.005	.005	.008	.80	.83	.86	.84	30,732	2,248	14,392	.000	.000	.000	-.09	-.08	-.09				
g. etreview	1,934	2.82	2.83	2.85	2.85	.018	.005	.005	.007	.77	.81	.82	.81	2,228	2,256	2,650	.522	.195	.127	-.01	-.03	-.04				
h. etprefer	1,923	2.59	2.57	2.56	2.59	.018	.005	.005	.008	.78	.85	.87	.84	2,240	2,271	2,670	.338	.094	.877	.02	.04	.00				
i. etdemonstrate	1,926	2.98	2.99	2.99	3.00	.018	.005	.005	.007	.77	.79	.81	.79	30,581	2,240	14,338	.576	.846	.432	-.01	.00	-.02				

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^g University of Waterloo

Seniors

Variable Name	N	Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
	UWaterloo	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:		
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions
6 a. QRconclude	1,913	2.63	2.54	2.54	2.59	.019	.005	.006	.008	.83	.92	.92	.91	2,235	2,255	2,669	.000	.000	.072	.10	.09	.04
b. QRproblem	1,911	2.35	2.33	2.36	2.40	.021	.006	.006	.009	.91	.95	.94	.94	2,202	2,211	2,598	.276	.586	.036	.02	-.01	-.05
c. QRevaluate	1,905	2.41	2.39	2.42	2.49	.020	.006	.006	.008	.86	.92	.92	.91	2,215	2,228	2,629	.503	.536	.000	.01	-.01	-.09
7 a. wrshortnum	1,916	7.09	7.67	8.23	8.25	.137	.038	.040	.059	6.01	6.38	6.48	6.43	2,223	2,247	2,658	.000	.000	.000	-.09	-.18	-.18
b. wrmednum	1,904	4.32	4.61	5.10	5.01	.112	.030	.032	.046	4.91	5.00	5.14	5.07	29,635	2,214	2,587	.015	.000	.000	-.06	-.15	-.14
c. wrlongnum	1,912	3.19	2.97	3.22	3.10	.109	.028	.029	.042	4.78	4.61	4.79	4.63	2,163	28,541	14,002	.044	.800	.392	.05	-.01	.02
— wrpages	1,893	103.15	103.69	113.04	110.51	2.615	.668	.707	1.019	113.76	110.82	114.68	111.44	29,374	28,213	13,852	.837	.000	.008	.00	-.09	-.07
8 a. DDrace	1,913	3.12	3.11	3.13	3.16	.020	.005	.005	.008	.88	.89	.89	.88	29,766	28,577	14,019	.717	.666	.066	.01	-.01	-.05
b. DDeconomic	1,903	2.89	2.93	2.97	2.96	.020	.005	.005	.008	.88	.89	.88	.88	29,647	28,470	13,962	.039	.000	.000	-.05	-.10	-.09
c. DDreligion	1,904	2.95	2.89	2.96	2.96	.021	.006	.006	.008	.91	.94	.92	.92	2,190	2,196	2,565	.004	.519	.541	.07	-.02	-.01
d. DDpolitical	1,895	2.60	2.65	2.68	2.65	.021	.006	.006	.008	.90	.92	.93	.92	2,177	2,195	13,923	.019	.000	.013	-.05	-.09	-.06
e. ddsexorient	1,904	2.64	2.78	2.76	2.77	.022	.006	.006	.009	.96	.95	.97	.95	29,608	28,418	13,941	.000	.000	.000	-.15	-.13	-.14
f. ddcountry	1,910	3.05	3.08	3.04	3.10	.020	.005	.006	.008	.86	.89	.90	.88	2,199	2,221	2,584	.110	.780	.018	-.04	.01	-.06
9 a. LSreading	1,901	2.83	2.98	3.01	3.01	.019	.005	.005	.008	.82	.83	.82	.82	2,175	2,181	2,540	.000	.000	.000	-.18	-.21	-.22
b. LSnotes	1,906	2.53	2.62	2.62	2.62	.021	.006	.006	.008	.90	.94	.93	.93	2,199	2,205	2,586	.000	.000	.000	-.10	-.10	-.10
c. LSsummary	1,901	2.59	2.73	2.73	2.75	.020	.005	.005	.008	.88	.90	.89	.88	29,513	28,344	13,904	.000	.000	.000	-.15	-.15	-.17
10 challenge	1,898	5.02	5.22	5.23	5.23	.028	.008	.008	.011	1.24	1.27	1.29	1.25	2,182	2,203	2,548	.000	.000	.000	-.16	-.16	-.17
11 a. intern ^l	1,901	71%	50%	46%	48%	.0105	.0030	.0031	.0046	--	--	--	--	--	--	--	.000	.000	.000	.43	.50	.47
b. leader ^l	1,895	35%	33%	31%	36%	.0110	.0028	.0028	.0044	--	--	--	--	--	--	--	.055	.000	.593	.05	.09	-.01
c. learncom ^l	1,896	19%	18%	17%	17%	.0089	.0023	.0023	.0035	--	--	--	--	--	--	--	.517	.020	.203	.02	.05	.03
d. abroad ^l	1,897	7%	7%	6%	7%	.0057	.0015	.0015	.0024	--	--	--	--	--	--	--	.571	.194	.425	-.01	.03	-.02
e. research ^l	1,896	25%	25%	21%	25%	.0100	.0026	.0025	.0040	--	--	--	--	--	--	--	.494	.000	.929	.02	.11	.00
f. capstone ^l	1,901	45%	32%	33%	33%	.0114	.0028	.0029	.0043	--	--	--	--	--	--	--	.000	.000	.000	.28	.26	.26
12 servcourse	1,890	1.47	1.52	1.60	1.56	.015	.004	.004	.006	.66	.67	.70	.67	29,039	2,211	2,545	.000	.000	.000	-.08	-.19	-.14
13 a. Qlstudent	1,895	5.45	5.48	5.46	5.44	.029	.008	.008	.012	1.28	1.32	1.34	1.33	28,857	2,209	2,597	.290	.826	.774	-.03	-.01	.01
b. Qladvisor	1,764	4.98	4.65	4.83	4.72	.038	.012	.011	.017	1.60	1.77	1.74	1.73	2,109	2,097	2,521	.000	.000	.000	.19	.09	.15
c. Qlfaculty	1,851	5.09	5.09	5.06	5.08	.032	.009	.009	.013	1.37	1.43	1.46	1.41	2,140	2,165	13,438	.927	.483	.937	.00	.02	.00
d. Qlstaff	1,573	4.63	4.65	4.75	4.71	.041	.012	.012	.018	1.62	1.73	1.72	1.70	1,863	1,861	2,195	.667	.005	.072	-.01	-.07	-.05
e. Qladmin	1,619	4.69	4.59	4.71	4.68	.039	.012	.011	.016	1.57	1.73	1.70	1.68	1,922	1,903	2,237	.012	.679	.742	.06	-.01	.01

NSSE 2023 Frequencies and Statistical Comparisons

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Seniors

Variable Name	N		Mean			Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	UWaterloo	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	UWaterloo	U15 Institutions	ON Universities	U6 Institutions	Comparisons with:			Comparisons with:			Comparisons with:		
														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions
14 a. empstudy	1,890	3.36	3.20	3.12	3.24	.016	.005	.005	.007	.71	.76	.78	.75	29,015	27,811	13,694	.000	.000	.000	.20	.30	.16
b. SEacademic	1,882	2.55	2.51	2.58	2.52	.018	.005	.005	.007	.78	.81	.83	.81	2,173	2,209	2,581	.036	.162	.091	.05	-.03	.04
c. SElearnsup	1,882	2.38	2.38	2.49	2.44	.020	.005	.006	.008	.85	.87	.91	.87	28,920	2,203	2,553	.851	.000	.005	.00	-.13	-.07
d. SEdiverse	1,881	2.25	2.30	2.38	2.34	.021	.006	.006	.009	.92	.94	.96	.94	2,164	2,186	2,552	.010	.000	.000	-.06	-.14	-.09
e. SEsocial	1,878	2.41	2.50	2.54	2.51	.020	.005	.006	.008	.86	.88	.91	.90	2,162	2,192	2,575	.000	.000	.000	-.11	-.15	-.12
f. SEwellness	1,876	2.38	2.38	2.44	2.38	.020	.005	.006	.008	.85	.89	.92	.90	2,170	2,205	2,584	.772	.005	.732	.01	-.06	.01
g. SEonacad	1,878	1.88	1.80	1.87	1.82	.020	.005	.006	.008	.88	.86	.91	.88	28,811	2,182	13,596	.000	.692	.006	.09	.01	.07
h. SEactivities	1,875	2.22	2.31	2.34	2.32	.019	.005	.006	.008	.84	.88	.91	.89	2,172	2,208	2,594	.000	.000	.000	-.10	-.13	-.12
i. SEevents	1,879	2.01	2.11	2.15	2.11	.019	.005	.006	.008	.84	.86	.89	.86	2,161	2,197	2,554	.000	.000	.000	-.12	-.16	-.12
15 a. sbmyself	1,887	3.16	3.14	3.13	3.11	.016	.004	.004	.007	.67	.72	.72	.72	28,829	27,631	13,601	.124	.050	.002	.04	.05	.08
b. sbvalued	1,883	2.65	2.58	2.61	2.56	.019	.005	.005	.008	.82	.85	.85	.85	2,180	2,191	2,586	.000	.019	.000	.08	.05	.11
c. sbcommunity	1,892	2.76	2.70	2.72	2.71	.017	.005	.005	.008	.76	.82	.83	.83	2,214	2,234	2,669	.001	.017	.008	.08	.05	.06
16 a. tmprephrs	1,886	18.74	17.47	17.14	17.86	.221	.058	.058	.087	9.59	9.49	9.36	9.42	28,733	2,157	2,509	.000	.000	.000	.13	.17	.09
b. tmcocurrhrs	1,879	5.82	4.83	4.97	5.64	.162	.041	.044	.067	7.03	6.78	7.03	7.18	2,130	27,497	13,534	.000	.000	.292	.15	.12	.03
c. tmworkonhrs	1,882	2.72	2.46	2.75	3.02	.146	.036	.040	.060	6.35	5.93	6.32	6.49	2,117	27,502	2,555	.085	.824	.056	.04	-.01	-.05
d. tmworkoffhrs	1,885	5.00	8.62	9.73	7.83	.203	.063	.069	.094	8.82	10.30	11.04	10.14	2,260	2,340	2,754	.000	.000	.000	-.35	-.43	-.28
— tmworkhrs	1,877	7.66	11.05	12.46	10.82	.287	.073	.080	.115	12.43	11.86	12.79	12.39	2,122	2,178	2,515	.000	.000	.000	-.28	-.38	-.25
e. tmservicehrs	1,878	2.67	2.92	3.29	3.27	.126	.034	.038	.055	5.45	5.51	6.11	5.97	28,706	2,238	2,657	.054	.000	.000	-.05	-.10	-.10
f. tmrelaxhrs	1,875	13.66	12.62	12.84	13.22	.190	.050	.052	.077	8.21	8.22	8.39	8.31	28,674	27,492	13,529	.000	.000	.032	.13	.10	.05
g. tmcarehrs	1,879	2.44	3.06	3.98	3.09	.136	.043	.050	.062	5.89	7.01	7.92	6.74	2,268	2,406	2,734	.000	.000	.000	-.09	-.20	-.10
h. tmcommutehrs	1,884	5.43	6.65	6.74	6.70	.121	.036	.038	.056	5.26	5.83	6.11	6.01	2,221	2,273	2,742	.000	.000	.000	-.21	-.22	-.22
17 reading	1,879	2.22	2.68	2.73	2.69	.025	.007	.008	.011	1.10	1.22	1.22	1.22	2,216	2,231	2,678	.000	.000	.000	-.38	-.42	-.39
— tmreadinghrs	1,877	6.11	7.49	7.59	7.65	.130	.040	.041	.060	5.65	6.51	6.57	6.48	2,241	2,267	2,743	.000	.000	.000	-.21	-.23	-.24

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Variable Name	N		Mean			Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
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														U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions	U15 Institutions	ON Universities	U6 Institutions
18 a. pgwrite	1,880	2.82	2.96	3.00	3.02	.020	.005	.005	.008	.86	.85	.85	.83	2,145	2,154	2,478	.000	.000	.000	-.17	-.21	-.24
b. pgspeak	1,872	2.61	2.73	2.77	2.77	.021	.006	.006	.008	.89	.91	.92	.91	28,607	27,423	13,476	.000	.000	.000	-.13	-.17	-.17
c. pgthink	1,875	3.22	3.25	3.24	3.28	.018	.005	.005	.007	.77	.77	.78	.77	28,643	27,449	13,508	.229	.343	.003	-.03	-.02	-.07
d. pganalyze	1,880	3.08	2.82	2.80	2.87	.020	.006	.006	.009	.88	.97	.98	.96	2,216	2,240	2,662	.000	.000	.000	.27	.29	.22
e. pgwork	1,880	2.97	2.59	2.60	2.54	.021	.006	.006	.009	.91	.98	.98	.98	2,199	2,212	2,644	.000	.000	.000	.38	.38	.44
f. pgothers	1,877	2.87	2.83	2.86	2.84	.020	.005	.006	.008	.85	.87	.89	.88	28,637	2,188	2,572	.055	.456	.102	.05	.02	.04
g. pgvalues	1,881	2.53	2.59	2.64	2.59	.021	.006	.006	.009	.93	.95	.96	.97	28,637	27,420	2,580	.004	.000	.005	-.07	-.11	-.07
h. pgdiverse	1,874	2.56	2.69	2.75	2.71	.022	.006	.006	.009	.95	.95	.95	.94	28,632	2,155	13,493	.000	.000	.000	-.14	-.20	-.16
i. pgprobolve	1,884	2.81	2.65	2.67	2.67	.020	.006	.006	.009	.88	.93	.93	.93	2,186	2,205	2,601	.000	.000	.000	.17	.15	.15
j. pgcitizen	1,884	2.40	2.53	2.57	2.54	.022	.006	.006	.009	.95	.96	.97	.97	28,675	2,184	13,516	.000	.000	.000	-.13	-.17	-.14
19 evalexp	1,890	3.07	2.93	2.93	2.96	.017	.005	.005	.007	.72	.78	.79	.79	2,214	2,241	2,679	.000	.000	.000	.17	.18	.14
20 sameinst	1,891	3.19	3.06	3.00	3.04	.017	.005	.005	.008	.76	.82	.83	.82	28,887	27,680	13,624	.000	.000	.000	.16	.23	.19

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Endnotes

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