



NSSE 2023

Frequencies and Statistical Comparisons

University of Minnesota Duluth

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	Your seniors compared with					
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 2 3 4	Never Sometimes Often Very often	3 135 212 280	0 20 33 46	244 4,397 5,947 5,440	2 27 37 34	54 845 1,086 889	2 29 38 31	6,952 75,222 81,724 66,983	3 33 35 29	3.3	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1 2 3 4	Never Sometimes Often Very often	82 267 164 113	13 42 26 19	2,369 5,959 4,548 3,072	14 37 29 20	401 978 858 611	14 34 31 1	35,490 79,495 67,348 7,208	16 34 29 21	2.5	2.5	-.04	2.6 *	-.09	2.6	-.05	
c. Evaluated what others have concluded from numerical information	QRrevaluate	1 2 3 4	Never Sometimes Often Very often	25 56 384 150	4 9 63 24	778 1,666 9,147 4,267	5 11 57 27	134 262 1,586 851	5 10 57 29	12,543 28,134 128,802 58,873	6 13 56 26	3.1	3.1	.02	3.1	-.04	3.0	.06	
				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.

- 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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your first-year students compared with											
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
1. During the current school year, about how often have you done the following?																							
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	29	4	159	4	113	5	100	3	2.7	2.7	-.03	2.7	.04	2.8 *	▽	-0.09				
		2	Sometimes	315	42	1,662	41	1,187	43	1,264	38												
		3	Often	256	35	1,448	35	942	35	1,181	37												
		4	Very often	135	19	841	20	474	18	725	22												
		Total		735	100	4,110	100	2,716	100	3,270	100												
b. Asked another student to help you understand course material	CLaskhelp	1	Never	46	6	415	11	193	8	312	11	2.6	2.5 ***	.14	2.6	.08	2.5 ***	△	.16				
		2	Sometimes	293	40	1,735	42	1,111	43	1,404	44												
		3	Often	274	37	1,315	32	916	33	1,046	31												
		4	Very often	120	16	621	15	480	16	494	14												
		Total		733	100	4,086	100	2,700	100	3,256	100												
c. Explained course material to one or more students	CLexplain	1	Never	33	4	274	7	138	6	240	8	2.6	2.6 *	.08	2.6	.06	2.5 ***	△	.15				
		2	Sometimes	313	43	1,748	42	1,141	43	1,445	45												
		3	Often	264	36	1,454	36	1,003	37	1,116	34												
		4	Very often	120	17	599	15	415	15	451	13												
		Total		730	100	4,075	100	2,697	100	3,252	100												
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	96	13	760	19	418	17	589	20	2.5	2.3 **	.12	2.4	.07	2.3 ***	△	.17				
		2	Sometimes	312	43	1,610	39	1,071	41	1,322	41												
		3	Often	209	29	1,155	28	763	27	915	27												
		4	Very often	112	15	534	13	431	15	399	12												
		Total		729	100	4,059	100	2,683	100	3,225	100												
e. Worked with other students on course projects or assignments	CLproject	1	Never	30	4	262	7	171	7	224	8	2.7	2.6 **	.10	2.6 ***	.15	2.6 ***	△	.19				
		2	Sometimes	270	37	1,591	40	1,043	42	1,287	41												
		3	Often	305	41	1,556	38	1,044	37	1,264	38												
		4	Very often	124	17	631	16	406	14	431	13												
		Total		729	100	4,040	100	2,664	100	3,206	100												
f. Given a course presentation	present	1	Never	127	18	932	24	635	25	610	22	2.1	2.1	.04	2.1	.06	2.2	-0.01					
		2	Sometimes	406	56	1,942	48	1,269	48	1,572	48												
		3	Often	149	20	839	20	558	20	747	22												
		4	Very often	44	6	316	7	200	7	269	8												
		Total		726	100	4,029	100	2,662	100	3,198	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
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	49	7	305	8	172	7	253	8	2.6	2.6	.08	2.6	.07	2.6 *	.09	
			2	Sometimes	266	37	1,549	39	1,020	39	1,188								39
			3	Often	294	41	1,570	39	1,073	41	1,264								40
			4	Very often	110	15	559	14	359	13	434								13
			Total	719	100	3,983	100	2,624	100	3,139	100								
b. Connected your learning to societal problems or issues	RSocietal	1	Never	63	10	345	10	258	11	299	11	2.5	2.6	-.05	2.5	.03	2.6	-.06	
			2	Sometimes	290	42	1,499	39	1,081	41	1,133								37
			3	Often	255	34	1,434	36	931	35	1,153								36
			4	Very often	104	14	657	16	332	13	524								16
			Total	712	100	3,935	100	2,602	100	3,109	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	94	15	348	10	299	12	237	9	2.5	2.6 ***	-.15	2.5	-.02	2.7 ***	-.19	
			2	Sometimes	249	36	1,329	35	1,030	40	1,054								36
			3	Often	255	35	1,444	36	879	34	1,178								37
			4	Very often	107	14	781	19	379	15	616								19
			Total	705	100	3,902	100	2,587	100	3,085	100								
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	37	5	188	5	122	5	119	4	2.7	2.8	-.02	2.7	.04	2.8	-.02	
			2	Sometimes	235	34	1,229	32	893	36	1,012								34
			3	Often	306	43	1,721	44	1,159	44	1,359								44
			4	Very often	120	18	715	18	378	15	537								18
			Total	698	100	3,853	100	2,552	100	3,027	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	20	3	113	3	72	3	87	3	2.9	2.9	.01	2.8	.07	2.9	.02	
			2	Sometimes	171	25	979	26	709	28	787								27
			3	Often	347	50	1,833	48	1,239	49	1,420								48
			4	Very often	153	22	883	23	492	20	679								23
			Total	691	100	3,808	100	2,512	100	2,973	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	22	3	105	3	59	3	69	3	2.9	2.8	.02	2.8	.04	2.9	-.04	
			2	Sometimes	197	29	1,107	30	777	32	807								29
			3	Often	323	47	1,771	47	1,149	46	1,405								47
			4	Very often	141	21	765	20	480	20	639								22
			Total	683	100	3,748	100	2,465	100	2,920	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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University of Minnesota Duluth

First-Year Students

Frequency Distributions^a

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	6	1	57	2	25	1	40	2	3.1	3.0	.05	3.0	.07	3.0	.07	
		2	Sometimes	133	20	732	21	504	22	591	22								
		3	Often	350	51	1,914	51	1,293	52	1,505	51								
		4	Very often	189	28	997	26	618	25	748	26								
		Total		678	100	3,700	100	2,440	100	2,884	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	138	21	650	18	393	17	505	19	2.2	2.3 **	-0.11	2.3 **	-0.12	2.3 *	-0.09	
		2	Sometimes	309	46	1,590	43	1,054	44	1,208	42								
		3	Often	151	22	956	25	675	27	778	26								
		4	Very often	72	11	507	13	319	12	390	13								
		Total		670	100	3,703	100	2,441	100	2,881	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	345	51	1,707	47	1,117	47	1,327	48	1.7	1.8 *	-0.09	1.8 *	-0.08	1.8 *	-0.08	
		2	Sometimes	201	30	1,172	32	781	32	882	30								
		3	Often	86	13	559	15	375	15	445	15								
		4	Very often	39	6	244	7	150	6	210	7								
		Total		671	100	3,682	100	2,423	100	2,864	100								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	216	32	1,197	33	756	31	892	33	2.0	2.0	-0.02	2.0	-0.01	2.0	-0.02	
		2	Sometimes	286	44	1,450	40	1,019	43	1,144	40								
		3	Often	116	17	730	20	471	20	573	19								
		4	Very often	47	7	282	8	158	7	225	8								
		Total		665	100	3,659	100	2,404	100	2,834	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	193	29	855	24	629	27	677	25	2.0	2.2 ***	-0.18	2.1 *	-0.09	2.1 ***	-0.15	
		2	Sometimes	320	48	1,638	45	1,112	46	1,275	45								
		3	Often	107	16	841	23	481	20	643	22								
		4	Very often	42	7	322	9	182	7	244	8								
		Total		662	100	3,656	100	2,404	100	2,839	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	21	3	92	3	71	3	86	3	2.9	3.0	-0.04	2.9	.00	2.9	.00	
		2	Some	173	27	884	25	606	26	730	26								
		3	Quite a bit	297	45	1,708	47	1,111	46	1,286	45								
		4	Very much	171	25	945	25	587	25	705	25								
		Total		662	100	3,629	100	2,375	100	2,807	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				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	20	3	131	4	66	3	100	4	2.9	2.9	.00	2.9	-.02	2.9	.00
		2	Some	177	27	944	26	571	26	705	26							
		3	Quite a bit	306	46	1,690	47	1,158	48	1,308	46							
		4	Very much	151	23	850	24	567	23	674	24							
		Total		654	100	3,615	100	2,362	100	2,787	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	25	4	137	4	76	3	100	4	2.8	2.9	-.06	2.9	-.04	2.9 *	-.08
		2	Some	187	29	959	27	646	28	712	26							
		3	Quite a bit	312	47	1,626	46	1,106	48	1,260	46							
		4	Very much	129	20	857	23	512	21	682	24							
		Total		653	100	3,579	100	2,340	100	2,754	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	33	5	131	4	112	5	83	3	2.7	2.9 ***	-.18	2.8 *	-.11	2.9 ***	-.23
		2	Some	219	34	956	28	671	29	695	26							
		3	Quite a bit	286	43	1,632	45	1,068	46	1,296	47							
		4	Very much	114	17	845	23	476	20	661	23							
		Total		652	100	3,564	100	2,327	100	2,735	100							
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	19	3	113	4	78	4	86	4	2.8	2.9	-.08	2.8	-.02	2.9 *	-.10
		2	Some	186	29	931	27	659	29	659	25							
		3	Quite a bit	323	50	1,676	47	1,092	47	1,332	48							
		4	Very much	117	18	841	23	483	20	642	23							
		Total		645	100	3,561	100	2,312	100	2,719	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	6	1	80	2	46	2	57	2	3.0	3.0	.03	3.0	.00	3.1	-.04
		2	Some	135	21	749	22	464	20	528	20							
		3	Quite a bit	333	51	1,756	49	1,134	49	1,301	48							
		4	Very much	165	26	955	27	647	28	809	30							
		Total		639	100	3,540	100	2,291	100	2,695	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	22	3	172	5	94	5	116	5	3.0	2.9	.05	3.0	.01	3.0	.01
		2	Some	141	22	807	23	487	21	605	23							
		3	Quite a bit	320	49	1,658	47	1,114	48	1,242	46							
		4	Very much	156	25	894	25	583	26	719	27							
		Total		639	100	3,531	100	2,278	100	2,682	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	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	18	3	121	3	73	3	101	4	3.0	2.9 *	.09	3.0	.06	3.0	.05	
		2	Some	139	22	861	25	529	23	625	23								
		3	Quite a bit	304	47	1,607	46	1,058	46	1,184	44								
		4	Very much	178	29	932	26	616	27	762	29								
		Total		639	100	3,521	100	2,276	100	2,672	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	49	8	277	8	150	7	157	6	2.7	2.8	-.04	2.8	-.01	2.9 ***	-.16	
		2	Some	204	32	1,029	30	733	33	710	27								
		3	Quite a bit	244	38	1,350	39	895	39	1,056	39								
		4	Very much	139	22	847	24	492	22	746	28								
		Total		636	100	3,503	100	2,270	100	2,669	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	56	8	291	8	210	9	191	8	2.6	2.7	-.03	2.6	.00	2.8 **	-.13	
		2	Some	221	35	1,200	34	802	35	835	31								
		3	Quite a bit	253	41	1,330	39	836	37	997	38								
		4	Very much	105	16	677	19	414	18	624	23								
		Total		635	100	3,498	100	2,262	100	2,647	100								
f. Explained in advance the criteria for successfully completing your assignments	etcriteria	1	Very little	20	3	138	4	81	4	91	4	2.9	2.9	.00	2.9	.00	3.0	-.06	
		2	Some	153	25	838	24	561	24	611	23								
		3	Quite a bit	306	48	1,598	46	1,026	45	1,165	44								
		4	Very much	151	25	901	26	573	26	764	29								
		Total		630	100	3,475	100	2,241	100	2,631	100								
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	18	3	97	3	61	3	68	3	2.9	2.9	-.02	2.9	.01	3.0	-.07	
		2	Some	149	24	832	25	556	25	599	23								
		3	Quite a bit	326	51	1,667	48	1,092	48	1,237	47								
		4	Very much	138	22	857	24	518	23	708	27								
		Total		631	100	3,453	100	2,227	100	2,612	100								
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	47	7	286	9	158	7	201	8	2.6	2.6	-.03	2.6	-.03	2.6	-.08	
		2	Some	261	41	1,299	37	865	39	951	36								
		3	Quite a bit	243	38	1,364	40	892	40	1,023	39								
		4	Very much	80	13	496	15	304	14	431	17								
		Total		631	100	3,445	100	2,219	100	2,606	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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University of Minnesota Duluth

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Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	10	2	98	3	56	3	74	3	3.1	3.1	.08	3.1	.03	3.1	.04
		2	Some	104	17	646	19	374	17	462	18							
		3	Quite a bit	311	49	1,592	46	1,052	47	1,185	46							
		4	Very much	207	33	1,106	32	731	33	872	34							
		Total		632	100	3,442	100	2,213	100	2,593	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	60	9	301	8	158	7	206	8	2.6	2.6	.04	2.6	.01	2.6	.04
		2	Sometimes	223	35	1,287	37	819	38	953	37							
		3	Often	238	39	1,309	40	867	39	1,044	41							
		4	Very often	98	17	497	15	329	16	350	14							
		Total		619	100	3,394	100	2,173	100	2,553	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	86	13	537	16	349	16	382	16	2.4	2.4	.02	2.3 *	.09	2.4	.00
		2	Sometimes	262	42	1,341	39	920	42	986	39							
		3	Often	203	33	1,083	33	684	31	864	34							
		4	Very often	66	11	413	12	207	10	300	12							
		Total		617	100	3,374	100	2,160	100	2,532	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	79	12	525	15	285	14	348	14	2.4	2.4	.02	2.4	.01	2.4	.00
		2	Sometimes	283	46	1,387	41	951	44	1,079	42							
		3	Often	190	32	1,091	33	708	32	848	34							
		4	Very often	62	10	359	10	204	10	246	10							
		Total		614	100	3,362	100	2,148	100	2,521	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	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	46	8	228	7	144	7	170	7	6.4	6.2	.03	6.3	.02	6.3	.03
		1.5	1-2	134	21	764	23	469	21	477	19							
		4	3-5	183	30	1,059	31	684	33	839	35							
		8	6-10	131	21	710	21	477	21	572	22							
		13	11-15	65	10	330	10	206	10	273	11							
		18	16-20	29	5	137	4	71	3	95	4							
		23	More than 20	27	4	137	4	94	5	92	4							
Total		615	100	3,365	100	2,145	100	2,518	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
b. Between 6 and 10 pages	wrmednum	0	None	275	44	1,358	40	868	40	1,057	43	2.0	2.1	-.03	2.2	-.04	2.1	-.04	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	191	31	1,178	35	736	36	792	32								
		4	3-5	97	16	529	16	335	15	409	16								
		8	6-10	32	5	177	5	130	6	157	6								
		13	11-15	13	2	73	2	48	2	52	2								
		18	16-20	3	0	17	0	6	0	14	0								
		23	More than 20	3	1	19	1	14	1	18	1								
	Total			614	100	3,351	100	2,137	100	2,499	100								
c. 11 pages or more	wrlongnum	0	None	500	81	2,712	81	1,623	77	2,002	80	.8	.9	-.04	1.0	-.06	1.1 *	-.09	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	74	12	370	11	346	15	270	10								
		4	3-5	16	3	117	4	84	4	92	4								
		8	6-10	12	2	66	2	34	2	54	2								
		13	11-15	9	2	61	2	34	2	55	2								
		18	16-20	2	0	18	1	7	0	17	1								
		23	More than 20	2	0	13	0	11	1	19	1								
	Total			615	100	3,357	100	2,139	100	2,509	100								
Estimated number of assigned pages of student writing.	wrpages											47.1	49.0	-.03	50.3	-.04	51.5	-.06	
	(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	27	4	123	4	118	6	131	6	2.8	3.0 ***	-.27	2.7	.07	2.9	-.07	
		2	Sometimes	227	37	841	26	830	39	823	33								
		3	Often	203	34	1,136	34	699	33	801	32								
		4	Very often	153	25	1,253	36	483	23	755	29								
			Total	610	100	3,353	100	2,130	100	2,510	100								
b. People from economic backgrounds other than your own	DDeconomic	1	Never	18	3	117	4	99	5	142	6	2.9	3.0	-.08	2.8 **	.12	2.9	.08	
		2	Sometimes	162	27	832	26	650	30	694	28								
		3	Often	273	45	1,249	37	884	42	969	38								
		4	Very often	156	26	1,150	33	498	23	702	27								
			Total	609	100	3,348	100	2,131	100	2,507	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				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	23	4	173	5	116	6	186	8	2.9	3.0	-.05	2.8 **	.12	2.8 **	.11	
		2	Sometimes	162	27	861	26	679	32	755	31								
		3	Often	267	43	1,197	36	799	37	853	33								
		4	Very often	157	26	1,117	32	532	25	708	28								
		Total		609	100	3,348	100	2,126	100	2,502	100								
d. People with political views other than your own	DDpolitical	1	Never	29	5	194	6	108	6	217	10	2.9	2.9	-.02	2.8	.06	2.7 ***	.15	
		2	Sometimes	192	30	995	30	685	33	834	34								
		3	Often	236	38	1,147	34	779	36	792	31								
		4	Very often	151	26	1,010	30	551	26	659	26								
		Total		608	100	3,346	100	2,123	100	2,502	100								
e. People with sexual orientations other than your own	ddsexorient	1	Never	34	6	248	9	202	10	226	11	2.9	2.8	.03	2.7 ***	.22	2.8 **	.11	
		2	Sometimes	180	30	927	29	785	37	769	32								
		3	Often	208	33	1,080	31	668	30	767	29								
		4	Very often	186	30	1,084	31	470	23	737	29								
		Total		608	100	3,339	100	2,125	100	2,499	100								
f. People from countries other than your own	ddcountry	1	Never	69	11	302	9	360	15	417	16	2.4	2.6 ***	-.28	2.4	-.03	2.4	-.02	
		2	Sometimes	327	53	1,420	42	983	46	1,148	45								
		3	Often	142	24	893	27	471	23	529	22								
		4	Very often	71	12	724	22	309	15	408	17								
		Total		609	100	3,339	100	2,123	100	2,502	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	14	2	86	3	54	3	53	3	2.8	2.9 *	-.11	2.9	-.06	2.9 ***	-.17	
		2	Sometimes	181	31	856	27	592	28	586	24								
		3	Often	300	49	1,594	48	1,015	48	1,237	49								
		4	Very often	111	18	790	23	442	21	609	24								
		Total		606	100	3,326	100	2,103	100	2,485	100								
b. Reviewed your notes after class	LSnotes	1	Never	31	6	151	5	100	5	96	4	2.8	2.8	-.02	2.8	-.03	2.9 *	-.10	
		2	Sometimes	197	33	1,029	32	607	31	688	29								
		3	Often	216	35	1,264	38	833	39	983	39								
		4	Very often	160	26	876	25	565	26	714	28								
		Total		604	100	3,320	100	2,105	100	2,481	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
c. Summarized what you learned in class or from course materials	LSummary	1	Never	32	5	190	6	119	6	116	6	2.8	2.8	-0.03	2.8	-0.02	2.8	-0.08
		2	Sometimes	196	32	985	30	636	31	716	30							
		3	Often	260	44	1,412	43	889	42	1,038	41							
		4	Very often	116	19	738	21	460	21	612	24							
		Total		604	100	3,325	100	2,104	100	2,482	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	2	0	19	1	10	1	20	1	5.2	5.2	-0.02	5.3	-0.07	5.3	-0.04
		2		5	1	41	1	24	1	30	1							
		3		26	5	195	6	86	4	117	5							
		4		100	17	443	14	255	13	328	14							
		5		244	40	1,263	38	810	39	922	37							
		6		143	23	789	23	580	26	606	23							
		7	Very much	80	14	562	17	330	16	447	18							
		Total		600	100	3,312	100	2,095	100	2,470	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	89	15	520	17	297	15	447	20	5%	6%	-0.05	5%	.01	5%	.01
			Do not plan to do	53	9	224	7	147	7	174	7							
			Plan to do	427	71	2,345	70	1,543	73	1,729	68							
			Done or in progress	29	5	214	6	99	5	115	5							
			Total	598	100	3,303	100	2,086	100	2,465	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	190	32	993	30	671	32	829	35	6%	10% **	-0.15	9% *	-0.12	8%	-0.08
			Do not plan to do	183	32	916	28	583	28	652	27							
			Plan to do	186	31	1,062	31	644	30	783	29							
			Done or in progress	38	6	321	10	186	9	194	8							
			Total	597	100	3,292	100	2,084	100	2,458	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	212	36	1,036	32	730	36	916	39	10%	14% **	-0.13	9%	.02	9%	.01
			Do not plan to do	187	31	954	30	668	33	617	26							
			Plan to do	141	23	827	25	496	23	671	26							
			Done or in progress	57	10	465	14	182	9	245	9							
			Total	597	100	3,282	100	2,076	100	2,449	100							

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your first-year students compared with							
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	Mean	Effect size ^e
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	193	32	936	29	632	29	806	34	2%	2%	-.03	2%	.00	2%	.00	
			Do not plan to do	195	35	1,237	40	883	44	771	34								
			Plan to do	194	31	1,034	29	526	25	823	30								
			Done or in progress	13	2	78	2	35	2	47	2								
			Total	595	100	3,285	100	2,076	100	2,447	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	261	44	1,231	38	802	39	990	41	4%	4%	-.01	3%	.02	4%	.00	
			Do not plan to do	143	23	902	28	704	33	623	25								
			Plan to do	173	29	1,010	30	503	25	748	30								
			Done or in progress	20	4	130	4	64	3	85	4								
			Total	597	100	3,273	100	2,073	100	2,446	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	248	42	1,217	37	778	39	982	42	2%	2%	.02	1%	.06	2%	.04	
			Do not plan to do	85	14	402	13	288	14	286	13								
			Plan to do	247	41	1,599	48	977	46	1,136	44								
			Done or in progress	14	2	63	2	30	1	38	2								
			Total	594	100	3,281	100	2,073	100	2,442	100								
12. About how many of your courses at this institution have included a community-based project (service-learning)?																			
	servcourse	1	None	288	49	1,609	50	1,054	52	1,115	48	1.6	1.6	-.03	1.6	.01	1.6 *	-08	
			2	Some	269	45	1,361	41	828	39	1,056								41
			3	Most	32	5	238	8	151	8	216								9
			4	All	4	1	47	1	23	1	40								2
			Total	593	100	3,255	100	2,056	100	2,427	100								
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	Q1student	1	Poor	7	1	35	1	21	1	34	2	5.4	5.4	.01	5.4	.01	5.3	.06	
			2	8	1	72	2	36	2	55	2								
			3	28	5	153	5	87	5	128	6								
			4	77	12	431	13	232	12	338	14								
			5	187	31	958	29	610	29	698	29								
			6	173	29	916	28	668	31	669	27								
			7	Excellent	111	19	671	21	400	19	492								20
			—	Not applicable	3	0	30	1	14	1	22								1
Total	594	100	3,266	100	2,068	100	2,436	100											

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University of Minnesota Duluth

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
b. Academic advisors	QIadvisor	1	Poor	11	2	67	2	34	2	56	2	5.3	5.3	.00	5.4	-.07	5.4	-.06	
		2		19	3	117	3	62	3	78	3								
		3		36	6	242	8	124	6	144	6								
		4		82	13	451	13	216	11	297	12								
		5		140	23	670	20	432	22	483	20								
		6		158	27	772	24	543	26	587	24								
		7	Excellent	142	25	917	28	626	29	761	31								
		—	Not applicable	6	1	27	1	29	2	32	1								
	Total	594	100	3,263	100	2,066	100	2,438	100										
c. Faculty	QIfaculty	1	Poor	0	0	41	1	24	2	39	2	5.4	5.3 **	.10	5.3	.07	5.3	.06	
		2		7	1	70	2	27	1	40	2								
		3		24	4	168	5	95	5	113	5								
		4		75	12	454	14	259	13	308	13								
		5		192	33	973	30	653	31	705	28								
		6		193	32	932	28	624	30	701	28								
		7	Excellent	99	17	584	18	362	18	487	21								
		—	Not applicable	3	1	36	1	22	1	38	2								
	Total	593	100	3,258	100	2,066	100	2,431	100										
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	10	2	80	3	33	2	65	3	5.3	5.1 ***	.19	5.3	.05	5.1 ***	.15	
		2		13	2	126	4	61	3	88	4								
		3		18	3	218	7	110	5	154	6								
		4		79	13	473	14	256	13	340	14								
		5		166	28	739	23	485	23	516	20								
		6		156	26	711	22	585	28	525	21								
		7	Excellent	113	19	549	17	406	19	463	19								
		—	Not applicable	38	7	362	12	131	7	280	13								
	Total	593	100	3,258	100	2,067	100	2,431	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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University of Minnesota Duluth

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	8	1	75	2	33	2	52	2	5.2	5.0 *	.10	5.2	-.04	5.2	.02	
		2		9	1	135	4	64	3	82	4								
		3		36	6	220	7	97	5	149	6								
		4		85	15	478	14	258	13	349	14								
		5		167	28	790	25	481	23	541	22								
		6		128	21	702	21	544	25	545	22								
		7	Excellent	93	16	531	16	383	18	497	20								
		—	Not applicable	68	11	329	10	206	11	220	9								
	Total	594	100	3,260	100	2,066	100	2,435	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	6	1	51	2	25	1	48	2	3.0	3.0	-.05	3.0	-.04	3.0	-.02	
		2	Some	131	22	691	22	428	22	519	22								
		3	Quite a bit	313	53	1,598	49	1,056	50	1,209	50								
		4	Very much	141	23	906	27	546	26	646	26								
			Total	591	100	3,246	100	2,055	100	2,422	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	21	4	128	4	65	3	115	5	2.8	2.9 ***	-.17	2.9 ***	-.16	2.9 ***	-.17	
		2	Some	179	31	783	24	496	25	536	23								
		3	Quite a bit	281	47	1,457	45	970	47	1,092	45								
		4	Very much	109	18	877	26	523	25	671	27								
			Total	590	100	3,245	100	2,054	100	2,414	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	38	7	214	7	114	5	160	7	2.8	3.0 ***	-.21	3.0 ***	-.22	3.0 ***	-.22	
		2	Some	167	29	643	20	385	20	420	18								
		3	Quite a bit	243	41	1,311	41	898	45	988	41								
		4	Very much	143	23	1,070	32	651	30	849	33								
			Total	591	100	3,238	100	2,048	100	2,417	100								
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	62	10	316	11	238	12	231	11	2.6	2.7 *	-.10	2.6	.02	2.8 **	-.12	
		2	Some	194	33	945	29	659	32	663	27								
		3	Quite a bit	224	38	1,190	37	774	38	951	39								
		4	Very much	108	19	779	24	376	18	569	23								
			Total	588	100	3,230	100	2,047	100	2,414	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				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	27	5	203	7	84	4	140	6	2.9	2.9	.02	2.9	-.08	2.9	.00
		2	Some	156	27	806	25	468	24	608	26							
		3	Quite a bit	264	45	1,403	43	935	45	1,014	42							
		4	Very much	139	23	818	25	561	27	656	26							
		Total		586	100	3,230	100	2,048	100	2,418	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	33	6	228	8	104	5	171	8	2.8	2.8	-.01	2.9 **	-12	2.8	-.04
		2	Some	162	28	891	28	489	25	624	26							
		3	Quite a bit	282	48	1,319	41	908	44	976	40							
		4	Very much	113	19	794	24	544	26	638	26							
		Total		590	100	3,232	100	2,045	100	2,409	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	148	24	810	25	496	25	544	23	2.2	2.2	-.06	2.2	-.02	2.3 **	-13
		2	Some	250	43	1,225	38	805	40	886	37							
		3	Quite a bit	140	24	843	26	539	25	658	27							
		4	Very much	48	8	347	10	198	9	313	13							
		Total		586	100	3,225	100	2,038	100	2,401	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	38	6	227	8	127	7	227	11	2.7	2.8	-.07	2.8 *	-10	2.7	-.01
		2	Some	176	31	891	28	546	27	645	27							
		3	Quite a bit	275	47	1,356	42	883	43	976	40							
		4	Very much	97	16	745	22	486	23	551	22							
		Total		586	100	3,219	100	2,042	100	2,399	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	106	18	548	18	317	16	361	16	2.3	2.4 *	-.08	2.4 **	-14	2.5 ***	-21
		2	Some	246	42	1,238	38	769	38	830	34							
		3	Quite a bit	178	30	1,026	32	700	34	835	35							
		4	Very much	56	9	405	12	256	12	376	15							
		Total		586	100	3,217	100	2,042	100	2,402	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your first-year students compared with											
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	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	6	1	54	2	25	2	42	2	3.2	3.2	-.04	3.2	-.06	3.2	-.02					
		2	Disagree	50	9	252	8	147	8	195	9												
		3	Agree	380	64	1,944	61	1,232	60	1,448	60												
		4	Strongly agree	151	26	970	29	630	31	715	29												
		Total		587	100	3,220	100	2,034	100	2,400	100												
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	21	4	115	4	69	4	78	4	2.9	2.9	-.03	2.9	-.07	3.0 *	-.10					
		2	Disagree	109	19	624	20	323	17	401	17												
		3	Agree	370	62	1,890	58	1,253	61	1,436	60												
		4	Strongly agree	84	15	586	18	385	18	481	20												
		Total		584	100	3,215	100	2,030	100	2,396	100												
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	16	3	126	4	67	4	96	5	2.9	2.9	.00	3.0	-.06	2.9	-.02					
		2	Disagree	111	19	649	20	326	17	430	19												
		3	Agree	363	61	1,782	55	1,203	59	1,363	56												
		4	Strongly agree	95	16	664	20	436	20	511	21												
		Total		585	100	3,221	100	2,032	100	2,400	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 tmrep created by NSSE. Values are estimated number of hours per week.)</i>	0	0 hrs	1	0	10	0	5	0	7	0	15.4	14.6 *	.11	14.6 *	.11	14.0 ***	.19					
		3	1-5 hrs	44	8	364	11	214	11	291	12												
		8	6-10 hrs	114	20	727	23	459	23	590	25												
		13	11-15 hrs	155	27	741	23	468	23	569	24												
		18	16-20 hrs	132	22	679	22	440	22	457	19												
		23	21-25 hrs	72	12	376	12	251	11	276	11												
		28	26-30 hrs	34	6	176	5	105	5	114	5												
		33	More than 30 hrs	34	6	132	4	87	5	89	4												
		Total		586	100	3,205	100	2,029	100	2,393	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	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.)	tmocurrhrs	0	0 hrs	183	30	1,194	37	609	31	927	42	5.3	4.9	.06	5.2	.02	4.5 **	.12
	(Recorded version of tmocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	209	36	1,077	33	789	38	807	31							
	8	6-10 hrs	92	16	439	14	308	15	311	12								
	13	11-15 hrs	61	11	230	7	154	8	163	7								
	18	16-20 hrs	20	4	143	5	90	5	93	4								
	23	21-25 hrs	15	3	66	2	40	2	49	2								
	28	26-30 hrs	1	0	26	1	21	1	18	1								
	33	More than 30 hrs	4	1	29	1	11	1	21	1								
	Total			585	100	3,204	100	2,022	100	2,389	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	444	76	2,665	82	1,557	77	1,969	82	2.7	2.2	.08	2.7	.00	2.0 *	.11
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	27	4	75	2	87	4	96	4							
	8	6-10 hrs	44	7	139	5	150	7	124	5								
	13	11-15 hrs	42	7	155	5	127	6	89	4								
	18	16-20 hrs	18	3	124	4	77	4	68	3								
	23	21-25 hrs	9	2	35	1	20	1	26	1								
	28	26-30 hrs	1	0	9	0	6	0	8	0								
	33	More than 30 hrs	1	0	7	0	4	0	8	0								
	Total			586	100	3,209	100	2,028	100	2,388	100							
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	417	71	1,879	59	1,268	63	1,419	59	4.4	6.7 ***	-0.24	5.5 **	-0.13	6.7 ***	-0.23
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	21	4	167	5	119	6	143	6							
	8	6-10 hrs	33	6	223	7	140	7	174	7								
	13	11-15 hrs	32	5	250	8	138	7	161	7								
	18	16-20 hrs	46	8	266	8	183	9	194	8								
	23	21-25 hrs	18	3	183	6	93	4	137	6								
	28	26-30 hrs	11	2	123	3	44	2	83	3								
	33	More than 30 hrs	9	1	119	4	47	2	85	4								
	Total			587	100	3,210	100	2,032	100	2,396	100							
Estimated number of hours working for pay	tmworkhrs											7.0	8.9 ***	-0.17	8.2 *	-0.11	8.7 ***	-0.15
	(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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers		UMD Competitors		NSSE Carnegie	
				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	435	73	2,041	65	1,383	70	1,681	72	1.5	2.2 *** ▽	-0.15	1.7	-0.05	1.6	-0.02
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	107	19	801	24	486	22	509	19							
		8	6-10 hrs	23	4	172	5	89	4	108	5							
		13	11-15 hrs	13	3	104	3	29	2	53	2							
		18	16-20 hrs	8	1	48	2	21	1	22	1							
		23	21-25 hrs	1	0	27	1	8	0	8	0							
		28	26-30 hrs	0	0	7	0	4	0	4	0							
		33	More than 30 hrs	0	0	10	0	4	0	8	0							
	Total			587	100	3,210	100	2,024	100	2,393	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	3	1	47	2	20	1	53	2	15.3	13.6 *** △	0.20	13.8 *** △	0.18	12.6 *** ▲	0.32
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	64	10	504	15	271	14	462	21							
		8	6-10 hrs	122	20	878	26	527	25	617	25							
		13	11-15 hrs	142	24	707	22	497	24	519	21							
		18	16-20 hrs	131	22	487	16	327	16	344	14							
		23	21-25 hrs	52	9	246	8	166	8	170	7							
		28	26-30 hrs	30	5	106	3	89	4	78	3							
		33	More than 30 hrs	43	8	237	8	132	7	151	7							
	Total			587	100	3,212	100	2,029	100	2,394	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	522	89	2,558	79	1,724	84	1,810	74	.9	2.0 *** ▽	-0.20	1.4 *** ▽	-0.12	2.5 *** ▽	-0.28
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	31	5	292	9	144	8	256	11							
		8	6-10 hrs	14	3	148	5	70	4	126	6							
		13	11-15 hrs	8	1	92	3	30	2	77	4							
		18	16-20 hrs	7	1	46	1	30	2	43	2							
		23	21-25 hrs	2	0	27	1	12	1	29	1							
		28	26-30 hrs	0	0	14	0	2	0	8	0							
		33	More than 30 hrs	1	0	30	1	15	1	37	2							
	Total			585	100	3,207	100	2,027	100	2,386	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers		UMD Competitors		NSSE Carnegie		
				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 (Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	320	54	1,074	32	855	39	879	32	2.5	4.1 *** ▼	-0.31	3.4 *** ▼	-0.18	4.4 *** ▼	-0.33	
		3	1-5 hrs	203	34	1,416	45	869	44	975	44								
		8	6-10 hrs	33	6	418	13	179	9	298	13								
		13	11-15 hrs	13	2	147	5	57	3	104	5								
		18	16-20 hrs	10	2	79	2	31	2	53	2								
		23	21-25 hrs	4	1	42	1	20	1	36	1								
		28	26-30 hrs	2	0	18	1	9	0	16	1								
		33	More than 30 hrs	1	0	17	0	10	1	31	1								
	Total			586	100	3,211	100	2,030	100	2,392	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	115	21	503	17	370	18	309	14	2.4	2.5 * ▼	-0.10	2.4	-0.05	2.6 *** ▼	-0.23	
		2	Some	230	40	1,266	41	834	42	852	37								
		3	About half	146	24	851	25	490	24	704	29								
		4	Most	69	11	418	12	245	12	386	16								
		5	Almost all	24	4	159	5	81	4	129	5								
			Total			584	100	3,197	100	2,020	100	2,380	100						
	tmreadinghrs											5.7	5.7	.01	5.6	.03	5.9	-0.04	
			(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)																
	tmreadinghrscol	1	0 hrs	1	0	10	0	5	0	7	0								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	339	61	1,829	59	1,193	60	1,297	56								
		3	More than 5, up to 10 hrs	158	26	866	26	551	27	689	28								
		4	More than 10, up to 15 hrs	35	5	244	7	135	7	191	8								
		5	More than 15, up to 20 hrs	31	5	140	4	69	3	107	4								
		6	More than 20, up to 25 hrs	10	2	50	1	40	2	47	2								
		7	More than 25 hrs	9	2	39	1	18	1	30	1								
				Total			583	100	3,178	100	2,011	100	2,368	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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University of Minnesota Duluth

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Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	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	52	9	206	7	144	8	120	6	2.6	2.8 ***	-0.18	2.7 *	-0.09	2.8 ***	-0.25	
		2	Some	196	34	918	29	606	30	598	25								
		3	Quite a bit	251	43	1,432	45	920	44	1,153	47								
		4	Very much	86	15	643	20	345	17	506	21								
		Total		585	100	3,199	100	2,015	100	2,377	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	78	13	332	11	203	11	224	11	2.5	2.6 **	-0.13	2.6 **	-0.13	2.7 ***	-0.21	
		2	Some	215	37	1,073	33	632	33	699	30								
		3	Quite a bit	211	36	1,235	39	839	39	972	39								
		4	Very much	79	13	556	17	340	17	485	20								
		Total		583	100	3,196	100	2,014	100	2,380	100								
c. Thinking critically and analytically	pgthink	1	Very little	19	3	81	3	54	3	64	3	3.0	3.0	-0.05	3.0	-0.07	3.1	-0.08	
		2	Some	124	22	651	21	368	19	441	19								
		3	Quite a bit	284	48	1,491	47	999	49	1,138	48								
		4	Very much	158	27	967	30	591	29	729	31								
		Total		585	100	3,190	100	2,012	100	2,372	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	81	13	336	10	180	9	230	10	2.7	2.7	.00	2.7	-0.05	2.7	-0.03	
		2	Some	163	27	1,013	31	602	29	716	30								
		3	Quite a bit	225	39	1,223	39	840	42	973	41								
		4	Very much	114	21	623	19	394	20	455	19								
		Total		583	100	3,195	100	2,016	100	2,374	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	71	12	448	14	247	13	341	15	2.5	2.5	-0.03	2.5	-0.04	2.5	.01	
		2	Some	226	39	1,116	35	712	36	844	36								
		3	Quite a bit	212	37	1,107	35	728	34	830	34								
		4	Very much	74	13	523	16	329	17	363	15								
		Total		583	100	3,194	100	2,016	100	2,378	100								
f. Working effectively with others	pgothers	1	Very little	28	5	210	7	110	6	156	8	2.8	2.8	-0.05	2.8	-0.04	2.8	-0.04	
		2	Some	186	32	894	28	578	30	656	29								
		3	Quite a bit	268	46	1,356	43	892	42	1,019	42								
		4	Very much	99	17	732	22	434	21	542	22								
		Total		581	100	3,192	100	2,014	100	2,373	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD								UMD							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				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	72	13	362	12	226	12	234	11	2.5	2.6 ***	-14	2.6 *	-10	2.7 ***	-17	
		2	Some	220	37	946	30	646	33	690	30								
		3	Quite a bit	210	36	1,263	40	819	40	1,006	41								
		4	Very much	82	14	618	18	324	16	444	18								
		Total		584	100	3,189	100	2,015	100	2,374	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	58	10	236	8	177	9	153	7	2.6	2.8 ***	-22	2.7 *	-10	2.9 ***	-28	
		2	Some	205	36	880	28	641	32	604	26								
		3	Quite a bit	219	37	1,248	39	806	39	1,010	42								
		4	Very much	101	17	836	25	391	19	611	25								
		Total		583	100	3,200	100	2,015	100	2,378	100								
i. Solving complex real-world problems	pgprobolve	1	Very little	77	14	344	11	195	10	230	11	2.5	2.6 **	-11	2.6	-09	2.6 **	-14	
		2	Some	216	36	1,082	34	728	36	779	33								
		3	Quite a bit	205	36	1,186	38	776	37	917	37								
		4	Very much	83	14	591	18	315	16	452	19								
		Total		581	100	3,203	100	2,014	100	2,378	100								
j. Being an informed and active citizen	pgcizen	1	Very little	71	12	381	13	233	12	224	10	2.5	2.6 *	-10	2.6	-06	2.7 ***	-19	
		2	Some	225	39	1,052	33	733	36	754	32								
		3	Quite a bit	213	36	1,167	36	742	36	927	38								
		4	Very much	78	13	600	18	311	16	480	20								
		Total		587	100	3,200	100	2,019	100	2,385	100								
19. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	7	1	60	2	34	2	52	3	3.0	3.0 *	-11	3.1 ***	-15	3.0 *	-09	
		2	Fair	113	20	525	17	273	14	386	17								
		3	Good	354	60	1,809	56	1,195	59	1,343	56								
		4	Excellent	109	19	817	25	522	25	613	25								
		Total		583	100	3,211	100	2,024	100	2,394	100								
20. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	27	4	129	4	63	4	91	4	3.0	3.1 *	-10	3.1 ***	-16	3.1 *	-09	
		2	Probably no	99	17	468	15	244	12	360	15								
		3	Probably yes	304	52	1,579	50	1,022	50	1,145	49								
		4	Definitely yes	158	27	1,055	32	704	33	813	32								
		Total		588	100	3,231	100	2,033	100	2,409	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 Minnesota Duluth

First-Year Students

Frequency Distributions^a

Statistical Comparisons^b

Your first-year students compared with

Item wording or description	Variable name ^c	Values ^d	Frequency Distributions ^a								Statistical Comparisons ^b							
			UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
			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	36	6	142	4	96	5	117	5	87%	89%	-.07	89%	-.06	88%	-.03	
(Means indicate the percentage who responded "Yes.")		Yes	511	87	2,872	89	1,825	89	2,136	88								
		Not sure	40	8	218	7	120	6	161	7								
		Total	587	100	3,232	100	2,041	100	2,414	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
1. During the current school year, about how often have you done the following?																			
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	14	2	116	3	70	3	104	3	3.0	3.0	-.04	3.0	-.01	3.1 **	-0.13	
		2	Sometimes	201	31	1,266	29	734	30	1,106	26								
		3	Often	230	36	1,504	34	821	35	1,391	33								
		4	Very often	202	31	1,530	34	774	32	1,616	38								
		Total		647	100	4,416	100	2,399	100	4,217	100								
b. Asked another student to help you understand course material	CLaskhelp	1	Never	57	9	481	12	275	12	507	13	2.7	2.6 **	.11	2.5 ***	.15	2.5 ***	.19	
		2	Sometimes	230	36	1,789	40	971	41	1,769	43								
		3	Often	222	35	1,293	29	725	30	1,144	27								
		4	Very often	136	20	839	19	428	17	775	17								
		Total		645	100	4,402	100	2,399	100	4,195	100								
c. Explained course material to one or more students	CLexplain	1	Never	30	5	273	7	151	6	266	6	2.8	2.7	.05	2.7 *	.09	2.7	.06	
		2	Sometimes	209	32	1,558	36	888	38	1,540	37								
		3	Often	268	42	1,566	35	864	36	1,439	34								
		4	Very often	132	20	990	22	487	20	947	22								
		Total		639	100	4,387	100	2,390	100	4,192	100								
d. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	95	15	784	19	482	21	826	21	2.5	2.5	.00	2.4	.06	2.4 *	.09	
		2	Sometimes	250	40	1,556	35	833	35	1,544	37								
		3	Often	191	30	1,236	28	640	27	1,059	25								
		4	Very often	99	15	796	18	427	17	739	17								
		Total		635	100	4,372	100	2,382	100	4,168	100								
e. Worked with other students on course projects or assignments	CLproject	1	Never	14	2	270	6	141	6	251	6	3.1	2.9 ***	.20	2.9 ***	.20	2.9 ***	.23	
		2	Sometimes	127	21	1,162	26	604	26	1,187	29								
		3	Often	276	44	1,611	37	909	38	1,484	36								
		4	Very often	214	34	1,310	30	716	30	1,220	29								
		Total		631	100	4,353	100	2,370	100	4,142	100								
f. Given a course presentation	present	1	Never	54	8	427	10	244	10	420	10	2.7	2.6	.07	2.6	.07	2.6	.06	
		2	Sometimes	238	38	1,554	36	862	37	1,436	36								
		3	Often	191	30	1,456	33	767	32	1,385	33								
		4	Very often	148	24	915	21	493	21	901	21								
		Total		631	100	4,352	100	2,366	100	4,142	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
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	14	2	147	4	72	3	156	4	3.0	2.9 *	.09	3.0	.04	3.0	.05	
			2	Sometimes	148	24	1,147	27	568	25	1,029								26
			3	Often	278	45	1,771	41	1,007	43	1,664								40
			4	Very often	184	29	1,261	28	701	29	1,264								30
			Total	624	100	4,326	100	2,348	100	4,113	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	54	9	315	8	176	8	251	7	2.7	2.8	-.05	2.7	-.04	2.9 ***	-.18	
			2	Sometimes	208	34	1,272	32	768	32	1,107								29
			3	Often	209	33	1,610	36	858	36	1,497								35
			4	Very often	153	24	1,101	24	533	23	1,232								29
			Total	624	100	4,298	100	2,335	100	4,087	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1	Never	96	16	503	14	330	14	381	10	2.5	2.6	-.07	2.6	-.02	2.8 ***	-.22	
			2	Sometimes	208	35	1,322	33	815	35	1,180								31
			3	Often	177	28	1,420	32	700	30	1,382								33
			4	Very often	139	21	1,021	22	470	20	1,116								26
			Total	620	100	4,266	100	2,315	100	4,059	100								
d. Examined the strengths and weaknesses of your own views on a topic or issue	Rlownview	1	Never	34	5	222	6	144	6	185	5	2.8	2.8	-.03	2.8	.04	2.9 *	-.10	
			2	Sometimes	180	29	1,159	28	719	30	1,076								26
			3	Often	283	46	1,879	44	978	43	1,737								44
			4	Very often	121	20	976	22	455	20	1,029								25
			Total	618	100	4,236	100	2,296	100	4,027	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	24	4	141	4	76	3	111	3	2.9	3.0	-.03	2.9	.02	3.0 *	-.09	
			2	Sometimes	159	26	911	23	600	26	871								23
			3	Often	256	42	1,956	47	1,020	46	1,793								45
			4	Very often	171	28	1,166	27	561	25	1,205								30
			Total	610	100	4,174	100	2,257	100	3,980	100								
f. Learned something that changed the way you understand an issue or concept	Rlnewview	1	Never	14	3	97	3	59	3	85	2	2.9	2.9	-.07	2.9	-.03	3.0 ***	-.16	
			2	Sometimes	174	28	1,048	26	601	27	915								24
			3	Often	281	47	1,854	44	1,031	46	1,716								44
			4	Very often	136	22	1,140	26	528	24	1,213								30
			Total	605	100	4,139	100	2,219	100	3,929	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD				Your seniors compared with											
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie				
g. Connected ideas from your courses to your prior experiences and knowledge	Rlconnect	1	Never	5	1	46	2	25	1	38	1	3.1	3.2	.00	3.2	-.04	3.2 *	▽	-10
		2	Sometimes	94	16	637	16	326	15	556	15								
		3	Often	305	51	1,949	47	1,073	49	1,781	46								
		4	Very often	199	32	1,472	35	774	35	1,512	38								
		Total		603	100	4,104	100	2,198	100	3,887	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	100	17	723	19	332	16	626	17	2.4	2.4	-.05	2.4	-.05	2.5 *	▽	-10
		2	Sometimes	260	43	1,537	37	935	43	1,451	38								
		3	Often	140	23	1,030	25	540	24	974	24								
		4	Very often	98	16	812	19	387	17	837	21								
		Total		598	100	4,102	100	2,194	100	3,888	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	259	44	1,597	41	825	37	1,570	41	1.9	2.0	-.04	2.0 *	-10	2.0	-07	
		2	Sometimes	179	30	1,308	32	727	33	1,149	30								
		3	Often	90	15	699	16	386	18	650	16								
		4	Very often	71	11	484	11	248	11	514	13								
		Total		599	100	4,088	100	2,186	100	3,883	100								
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	136	23	1,024	26	533	25	1,098	29	2.2	2.2	.04	2.2	.03	2.2	.03	
		2	Sometimes	264	44	1,677	41	941	42	1,411	37								
		3	Often	131	22	876	22	457	21	839	22								
		4	Very often	61	11	470	11	232	11	499	13								
		Total		592	100	4,047	100	2,163	100	3,847	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	165	27	913	24	500	24	810	23	2.1	2.2 **	-13	2.2 *	-10	2.3 ***	-19	
		2	Sometimes	261	45	1,745	43	973	45	1,605	41								
		3	Often	123	20	916	22	471	21	881	22								
		4	Very often	46	8	480	11	219	10	554	14								
		Total		595	100	4,054	100	2,163	100	3,850	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	38	6	273	7	154	7	245	6	2.8	2.8	-.07	2.8	-.03	2.8 *	▽	-09
		2	Some	193	33	1,155	29	650	31	1,076	29								
		3	Quite a bit	242	40	1,617	40	843	39	1,534	39								
		4	Very much	121	20	986	24	507	23	973	25								
		Total		594	100	4,031	100	2,154	100	3,828	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.

NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	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	15	2	118	3	45	2	104	3	3.0	3.0	-0.05	3.1 ***	-0.15	3.1 *	-0.08	
		2	Some	131	22	799	20	367	17	774	20								
		3	Quite a bit	289	50	1,866	46	1,001	48	1,700	45								
		4	Very much	159	26	1,231	31	732	33	1,227	32								
		Total		594	100	4,014	100	2,145	100	3,805	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	19	3	142	4	69	3	114	3	3.0	3.0	-0.03	3.0	-0.08	3.1 **	-0.11	
		2	Some	129	22	867	22	443	21	755	20								
		3	Quite a bit	286	51	1,757	44	942	45	1,671	44								
		4	Very much	148	25	1,209	30	663	31	1,229	32								
		Total		582	100	3,975	100	2,117	100	3,769	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	41	7	200	6	121	6	151	5	2.8	2.9 **	-0.13	2.9 *	-0.09	3.0 ***	-0.25	
		2	Some	154	27	947	25	563	27	791	22								
		3	Quite a bit	270	47	1,741	43	873	41	1,620	43								
		4	Very much	116	19	1,069	26	556	26	1,194	31								
		Total		581	100	3,957	100	2,113	100	3,756	100								
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	19	3	151	5	87	5	112	4	2.9	2.9	-0.06	2.9	-0.06	3.0 ***	-0.16	
		2	Some	154	28	905	24	500	23	790	21								
		3	Quite a bit	272	47	1,819	45	972	46	1,666	44								
		4	Very much	130	22	1,073	27	542	26	1,165	31								
		Total		575	100	3,948	100	2,101	100	3,733	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	10	2	104	3	42	2	79	2	3.1	3.1	-0.03	3.1 *	-0.09	3.2 ***	-0.15	
		2	Some	107	19	718	19	388	18	631	17								
		3	Quite a bit	302	52	1,756	45	936	45	1,558	41								
		4	Very much	153	27	1,351	33	729	35	1,437	39								
		Total		572	100	3,929	100	2,095	100	3,705	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	19	3	150	4	68	3	148	4	3.0	3.0	-0.04	3.1 **	-0.14	3.1 ***	-0.16	
		2	Some	128	23	836	22	398	18	682	19								
		3	Quite a bit	278	48	1,725	43	960	46	1,536	40								
		4	Very much	144	26	1,208	30	659	32	1,329	37								
		Total		569	100	3,919	100	2,085	100	3,695	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	14	3	127	4	57	3	126	4	3.0	3.0	.00	3.1	-.07	3.1 **	-.11	
		2	Some	115	20	796	21	399	19	677	18								
		3	Quite a bit	273	48	1,676	43	907	44	1,479	39								
		4	Very much	167	29	1,316	33	716	35	1,417	39								
		Total		569	100	3,915	100	2,079	100	3,699	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	40	7	332	9	182	9	263	7	2.8	2.8	.01	2.8	.01	2.9 **	-.12	
		2	Some	155	27	1,054	29	595	29	916	26								
		3	Quite a bit	247	45	1,425	35	749	35	1,292	34								
		4	Very much	124	22	1,104	27	553	27	1,223	33								
		Total		566	100	3,915	100	2,079	100	3,694	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	36	7	296	9	168	8	246	7	2.7	2.8	-.04	2.8	-.03	2.9 ***	-.16	
		2	Some	177	31	1,120	29	648	30	975	27								
		3	Quite a bit	247	44	1,486	38	768	38	1,381	37								
		4	Very much	106	18	1,001	25	490	24	1,079	29								
		Total		566	100	3,903	100	2,074	100	3,681	100								
f. Explained in advance the criteria for successfully completing your assignments	etercriteria	1	Very little	16	3	148	4	75	4	124	4	2.9	3.0	-.08	3.0 *	-.11	3.1 ***	-.19	
		2	Some	143	25	859	23	441	21	721	20								
		3	Quite a bit	271	49	1,669	43	942	45	1,513	41								
		4	Very much	129	23	1,209	30	614	30	1,304	36								
		Total		559	100	3,885	100	2,072	100	3,662	100								
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	12	2	141	4	51	2	110	3	2.9	3.0 *	-.09	3.0 **	-.14	3.1 ***	-.22	
		2	Some	148	26	780	21	435	22	683	19								
		3	Quite a bit	269	48	1,779	46	979	46	1,594	43								
		4	Very much	127	23	1,174	29	601	29	1,262	35								
		Total		556	100	3,874	100	2,066	100	3,649	100								
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	37	7	318	9	161	8	278	8	2.7	2.7	-.02	2.7	-.07	2.8 **	-.12	
		2	Some	199	36	1,186	31	640	30	1,100	30								
		3	Quite a bit	230	41	1,568	40	854	42	1,367	37								
		4	Very much	90	17	799	20	406	20	896	25								
		Total		556	100	3,871	100	2,061	100	3,641	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	Mean
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	12	2	96	3	51	3	98	3	3.0	3.1	-.08	3.2 ***	-.19	3.2 ***	-.17
		2	Some	112	21	694	19	299	15	563	15							
		3	Quite a bit	263	48	1,721	45	937	45	1,566	42							
		4	Very much	167	29	1,347	34	774	38	1,406	39							
		Total		554	100	3,858	100	2,061	100	3,633	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	63	10	368	9	182	9	385	11	2.7	2.7	-.02	2.7	-.01	2.7	.00
		2	Sometimes	194	35	1,309	34	693	34	1,211	33							
		3	Often	181	34	1,373	36	793	39	1,282	35							
		4	Very often	109	21	778	21	367	19	723	21							
		Total		547	100	3,828	100	2,035	100	3,601	100							
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	96	17	580	16	333	16	557	16	2.5	2.5	-.04	2.5	-.01	2.5	-.06
		2	Sometimes	210	38	1,388	36	754	36	1,308	36							
		3	Often	152	29	1,233	33	649	32	1,078	29							
		4	Very often	87	17	614	16	297	15	639	19							
		Total		545	100	3,815	100	2,033	100	3,582	100							
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	79	13	556	15	262	13	535	15	2.5	2.5	.02	2.5	.03	2.5	.02
		2	Sometimes	204	37	1,422	37	799	39	1,326	37							
		3	Often	184	35	1,224	33	693	35	1,138	32							
		4	Very often	79	15	595	16	269	13	570	16							
		Total		546	100	3,797	100	2,023	100	3,569	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	38	8	243	7	159	8	222	6	7.5	7.4	.03	7.3	.04	7.6	-.02
		1.5	1-2	88	15	708	18	408	19	555	16							
		4	3-5	154	29	1,133	30	545	27	1,049	30							
		8	6-10	121	23	787	20	413	21	842	23							
		13	11-15	76	14	418	11	238	12	391	11							
		18	16-20	28	5	210	6	93	5	200	5							
		23	More than 20	40	7	296	8	160	8	301	9							
Total		545	100	3,795	100	2,016	100	3,560	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	Mean
b. Between 6 and 10 pages	wrmednum	0	None	136	24	1,005	27	567	28	797	23	3.2	3.4	-0.06	3.2	-0.01	3.7 **	-0.13
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	193	36	1,246	33	717	35	1,087	30							
		4	3-5	132	24	857	22	412	21	926	26							
		8	6-10	51	9	414	11	187	10	467	13							
		13	11-15	20	4	153	4	82	4	165	4							
		18	16-20	5	1	59	2	23	1	56	2							
		23	More than 20	7	1	50	2	26	1	52	2							
	Total			544	100	3,784	100	2,014	100	3,550	100							
c. 11 pages or more	wrlongnum	0	None	268	49	1,943	51	1,061	52	1,745	50	1.7	1.9	-0.05	1.7	-0.01	2.1 *	-0.09
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	189	35	1,186	31	639	31	1,064	29							
		4	3-5	53	10	379	10	179	9	419	12							
		8	6-10	21	4	149	4	69	3	170	5							
		13	11-15	8	2	59	2	38	2	88	3							
		18	16-20	5	1	30	1	9	0	22	1							
		23	More than 20	3	1	48	2	19	1	47	1							
	Total			547	100	3,794	100	2,014	100	3,555	100							
Estimated number of assigned pages of student writing.	wrpages											73.9	78.1	-0.04	73.7	.00	83.3 *	-0.10
	(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	31	5	167	5	142	7	179	6	2.6	3.0 ***	-0.42	2.8 **	-0.14	2.9 ***	-0.34
		2	Sometimes	248	46	936	26	759	38	1,001	30							
		3	Often	157	29	1,237	33	551	27	1,050	29							
		4	Very often	109	20	1,444	37	555	28	1,325	36							
		Total			545	100	3,784	100	2,007	100	3,555							
b. People from economic backgrounds other than your own	DDeconomic	1	Never	19	3	141	4	101	5	173	5	2.8	3.0 ***	-0.19	2.9	-0.04	3.0 **	-0.12
		2	Sometimes	184	33	867	24	611	30	914	27							
		3	Often	208	38	1,433	38	733	37	1,250	35							
		4	Very often	133	25	1,342	34	560	28	1,213	33							
		Total			544	100	3,783	100	2,005	100	3,550							

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				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	28	5	211	6	132	7	251	8	2.8	2.9 ***	-0.15	2.8	-0.02	2.9	-0.06	
		2	Sometimes	188	34	950	26	646	32	1,008	29								
		3	Often	193	36	1,354	35	670	33	1,166	32								
		4	Very often	134	25	1,266	33	553	28	1,127	31								
		Total		543	100	3,781	100	2,001	100	3,552	100								
d. People with political views other than your own	DDpolitical	1	Never	28	5	246	7	121	6	307	9	2.8	2.9 *	-0.09	2.8	-0.04	2.8	.01	
		2	Sometimes	196	37	1,060	28	614	32	1,110	32								
		3	Often	183	33	1,282	34	695	32	1,074	29								
		4	Very often	137	26	1,192	31	572	29	1,054	29								
		Total		544	100	3,780	100	2,002	100	3,545	100								
e. People with sexual orientations other than your own	ddsexorient	1	Never	41	8	286	9	193	10	272	9	2.7	2.8	-0.08	2.7	.01	2.8 *	-0.10	
		2	Sometimes	190	37	1,093	31	721	36	1,041	31								
		3	Often	179	32	1,256	32	574	28	1,099	29								
		4	Very often	134	24	1,143	28	515	26	1,130	31								
		Total		544	100	3,778	100	2,003	100	3,542	100								
f. People from countries other than your own	ddcountry	1	Never	77	14	366	9	305	15	479	14	2.3	2.6 ***	-0.35	2.5 ***	-0.16	2.5 ***	-0.23	
		2	Sometimes	287	53	1,562	40	851	43	1,462	41								
		3	Often	114	21	1,016	28	481	24	846	23								
		4	Very often	66	12	831	23	362	19	762	22								
		Total		544	100	3,775	100	1,999	100	3,549	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	17	4	118	4	90	5	103	3	2.9	3.0 **	-0.14	3.0 *	-0.10	3.1 ***	-0.25	
		2	Sometimes	161	30	836	24	473	23	674	20								
		3	Often	229	42	1,610	42	885	43	1,514	42								
		4	Very often	133	25	1,198	31	547	29	1,233	35								
		Total		540	100	3,762	100	1,995	100	3,524	100								
b. Reviewed your notes after class	LSnotes	1	Never	37	7	224	6	156	8	186	6	2.7	2.9 ***	-0.22	2.8 **	-0.13	3.0 ***	-0.32	
		2	Sometimes	219	40	1,090	30	633	32	883	26								
		3	Often	172	32	1,323	35	663	33	1,270	35								
		4	Very often	110	21	1,129	29	543	27	1,188	33								
		Total		538	100	3,766	100	1,995	100	3,527	100								

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
c. Summarized what you learned in class or from course materials	LSummary	1	Never	34	6	195	5	116	6	149	4	2.7	2.9 *** ▽	-0.18	2.8 ** ▽	-0.13	3.0 *** ▽	-0.29	
		2	Sometimes	196	36	1,077	30	632	32	922	27								
		3	Often	212	40	1,450	38	762	38	1,347	38								
		4	Very often	98	18	1,037	26	484	24	1,110	31								
		Total		540	100	3,759	100	1,994	100	3,528	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	1	0	48	1	15	1	35	1	5.3	5.4	-0.07	5.4 * ▽	-0.11	5.5 *** ▽	-0.17	
		2		11	2	61	2	26	1	48	2								
		3		30	6	200	6	88	5	150	5								
		4		57	11	437	12	208	11	375	11								
		5		200	37	1,146	30	640	33	1,018	29								
		6		149	27	947	25	556	27	848	24								
		7	Very much	90	16	908	24	442	22	1,031	29								
		Total		538	100	3,747	100	1,975	100	3,505	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		36	7	319	9	141	7	429	12	56%	52%	.08	54%	.05	43% *** △	.26	
		Do not plan to do		82	16	618	17	333	18	631	18								
		Plan to do		112	21	811	22	409	21	872	26								
		Done or in progress		305	56	1,988	52	1,089	54	1,561	43								
		Total		535	100	3,736	100	1,972	100	3,493	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		50	9	396	11	177	9	533	15	30%	32%	-0.03	36% ** ▽	-0.13	28%	.06	
		Do not plan to do		284	53	1,789	48	939	48	1,616	47								
		Plan to do		34	7	313	9	136	7	340	10								
		Done or in progress		167	30	1,233	32	715	36	997	28								
		Total		535	100	3,731	100	1,967	100	3,486	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		68	13	417	12	210	11	593	17	22%	24%	-0.04	23%	-0.03	20%	.04	
		Do not plan to do		293	55	2,050	55	1,106	58	1,700	50								
		Plan to do		46	10	367	10	165	8	438	13								
		Done or in progress		128	22	902	24	478	23	744	20								
		Total		535	100	3,736	100	1,959	100	3,475	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your seniors compared with							
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	Mean	Effect size ^e
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	43	8	384	11	194	10	530	16	11%	7% **	.12	8% *	.10	7% **	.12	△
			Do not plan to do	405	77	2,758	74	1,517	77	2,375	69								
			Plan to do	28	5	298	8	117	6	310	9								
			Done or in progress	61	11	291	7	141	8	256	7								
			Total	537	100	3,731	100	1,969	100	3,471	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	69	13	499	15	251	13	627	18	22%	21%	.04	24%	-.04	21%	.03	
			Do not plan to do	294	55	2,005	53	1,064	53	1,702	48								
			Plan to do	52	10	419	12	205	10	404	12								
			Done or in progress	122	22	811	21	443	24	737	21								
			Total	537	100	3,734	100	1,963	100	3,470	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	59	11	278	8	135	7	401	12	37%	49% ***	-.25	51% ***	-.27	46% ***	-.17	▽
			Do not plan to do	165	30	784	21	336	19	729	21								
			Plan to do	113	22	768	21	471	23	727	22								
			Done or in progress	200	37	1,894	49	1,021	51	1,615	46								
			Total	537	100	3,724	100	1,963	100	3,472	100								

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

servcourse	1	2	3	4	Total	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e
None	234	44	1,531	41	734	37	1,339	39	1.7	1.7	-.08	1.8 ***	-.16	1.8 **	-.15
Some	250	47	1,751	47	975	50	1,604	47							
Most	38	7	344	9	198	10	391	11							
All	10	2	92	2	50	3	112	3							
Total	532	100	3,718	100	1,957	100	3,446	100							

13. Indicate the quality of your interactions with the following people at your institution.

a. Students	Q1student	1	2	3	4	5	6	7	—	Total	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Mean	Effect size ^e
Poor		2	0	33	1	16	1	44	1	5.6	5.6	-.01	5.6	-.01	5.6	-.03
		7	1	70	2	35	2	56	2							
		17	3	139	4	70	4	140	4							
		50	9	362	10	169	9	326	10							
		151	29	935	25	513	25	803	23							
		192	35	1,113	30	623	31	980	28							
		116	21	1,037	28	499	26	1,064	31							
		2	0	32	1	37	2	38	1							
		537	100	3,721	100	1,962	100	3,451	100							

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Effect size ^e	Effect size ^e	Effect size ^e
b. Academic advisors	Qladvisor	1	Poor	17	3	243	7	84	4	170	5	4.9	5.0	-.04	5.2 **	-.13	5.3 ***	-.18
		2		44	8	206	5	98	5	156	4							
		3		55	10	321	8	174	9	265	8							
		4		76	15	526	14	240	12	428	12							
		5		102	19	687	18	372	18	616	17							
		6		118	22	696	19	408	21	603	18							
		7	Excellent	119	21	980	28	555	29	1,143	34							
		—	Not applicable	6	1	55	2	29	1	66	2							
	Total	537	100	3,714	100	1,960	100	3,447	100									
c. Faculty	Qifaculty	1	Poor	8	2	61	2	19	1	56	2	5.4	5.3	.01	5.4	-.07	5.5 **	-.13
		2		11	2	85	3	40	2	66	2							
		3		27	5	174	5	98	6	143	4							
		4		65	12	518	15	226	12	404	12							
		5		153	27	921	24	525	26	784	22							
		6		174	32	1,040	27	601	29	905	26							
		7	Excellent	96	19	897	24	433	24	1,045	31							
		—	Not applicable	2	0	22	1	16	1	50	2							
	Total	536	100	3,718	100	1,958	100	3,453	100									
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	7	1	147	4	56	3	135	4	5.2	5.0 **	.12	5.1	.06	5.1	.05
		2		13	2	146	4	73	4	127	4							
		3		38	7	228	6	128	6	235	7							
		4		71	13	502	13	228	12	408	11							
		5		120	22	763	20	401	21	610	17							
		6		120	22	703	19	425	21	567	17							
		7	Excellent	86	16	639	17	338	17	742	21							
		—	Not applicable	80	15	588	17	307	16	625	19							
	Total	535	100	3,716	100	1,956	100	3,449	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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University of Minnesota Duluth

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Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ^e	Mean	Effect size ^e	Mean	Effect size ^e	
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	10	2	140	4	51	3	130	4	5.1	5.0	.06	5.1	.01	5.1	-.01	
		2		19	4	165	5	86	5	139	4								
		3		35	6	286	8	123	6	254	7								
		4		81	15	578	15	258	13	486	14								
		5		125	23	751	20	421	21	672	19								
		6		111	20	784	21	443	22	651	19								
		7	Excellent	88	16	692	19	343	18	795	23								
		—	Not applicable	66	13	323	9	228	11	321	10								
	Total	535	100	3,719	100	1,953	100	3,448	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	7	1	66	2	32	2	67	2	3.1	3.1	-.02	3.1	.00	3.1	-.06	
		2	Some	102	19	764	20	401	22	666	20								
		3	Quite a bit	277	52	1,774	47	895	46	1,553	45								
		4	Very much	150	27	1,104	31	620	30	1,146	33								
			Total	536	100	3,708	100	1,948	100	3,432	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	34	7	214	7	104	5	172	6	2.7	2.8 *	-.09	2.9 **	-.15	2.9 ***	-.20	
		2	Some	156	29	1,035	29	531	27	850	25								
		3	Quite a bit	261	49	1,579	42	872	45	1,447	42								
		4	Very much	84	16	875	23	444	23	961	27								
			Total	535	100	3,703	100	1,951	100	3,430	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	63	13	351	11	188	9	319	11	2.6	2.8 ***	-.18	2.8 ***	-.21	2.9 ***	-.27	
		2	Some	174	33	982	27	507	27	771	23								
		3	Quite a bit	200	37	1,404	37	777	39	1,271	36								
		4	Very much	95	17	966	25	476	25	1,068	30								
			Total	532	100	3,703	100	1,948	100	3,429	100								
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	90	17	475	14	341	16	437	13	2.4	2.6 ***	-.22	2.5 **	-.12	2.7 ***	-.29	
		2	Some	214	39	1,187	32	670	34	1,031	30								
		3	Quite a bit	167	32	1,277	34	618	32	1,105	31								
		4	Very much	64	12	761	20	311	17	843	25								
			Total	535	100	3,700	100	1,940	100	3,416	100								

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

NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				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	39	7	285	9	133	7	238	8	2.7	2.8	-0.05	2.8 *	-0.09	2.8 **	-0.13	
		2	Some	164	31	988	28	551	29	890	27								
		3	Quite a bit	232	45	1,550	41	822	42	1,332	38								
		4	Very much	99	18	877	22	436	23	956	27								
		Total		534	100	3,700	100	1,942	100	3,416	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	50	9	396	12	197	10	329	10	2.6	2.7	-0.05	2.7 *	-0.09	2.8 ***	-0.16	
		2	Some	180	34	1,069	29	570	29	930	28								
		3	Quite a bit	216	40	1,425	38	771	39	1,232	35								
		4	Very much	86	16	806	21	406	21	920	27								
		Total		532	100	3,696	100	1,944	100	3,411	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	200	36	1,255	35	687	34	1,057	32	1.9	2.1 ***	-0.15	2.0 **	-0.14	2.2 ***	-0.26	
		2	Some	215	41	1,291	35	686	36	1,116	33								
		3	Quite a bit	90	18	755	20	394	21	762	22								
		4	Very much	26	5	394	11	173	9	478	14								
		Total		531	100	3,695	100	1,940	100	3,413	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	58	11	463	14	231	12	508	16	2.5	2.6 ***	-0.14	2.6 ***	-0.16	2.6 **	-0.11	
		2	Some	220	42	1,129	32	652	33	1,018	31								
		3	Quite a bit	204	38	1,379	36	678	35	1,161	33								
		4	Very much	53	10	716	19	384	20	721	21								
		Total		535	100	3,687	100	1,945	100	3,408	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	121	23	732	22	378	19	630	20	2.1	2.3 ***	-0.17	2.4 ***	-0.22	2.4 ***	-0.28	
		2	Some	246	46	1,397	38	764	39	1,199	35								
		3	Quite a bit	132	25	1,077	28	578	30	998	28								
		4	Very much	35	6	481	12	222	12	577	17								
		Total		534	100	3,687	100	1,942	100	3,404	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	14	3	93	3	49	3	71	3	3.2	3.2	-0.07	3.2	-0.07	3.3 ***	-0.18	
		2	Disagree	53	10	315	9	157	9	232	7								
		3	Agree	298	55	1,861	50	1,038	52	1,665	48								
		4	Strongly agree	168	32	1,417	38	694	36	1,433	42								
		Total		533	100	3,686	100	1,938	100	3,401	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Effect size ^e	Effect size ^e	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Mean	Mean	Mean	Effect size ^e	
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	35	7	266	9	124	7	179	6	2.8	2.8	-.02	2.9	-.05	3.0 ***	-.21
		2	Disagree	123	23	740	20	390	20	520	16							
		3	Agree	284	52	1,885	50	1,041	53	1,802	52							
		4	Strongly agree	91	18	785	21	385	20	893	26							
		Total		533	100	3,676	100	1,940	100	3,394	100							
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	30	6	228	7	103	6	168	6	2.9	2.9	-.01	2.9	-.05	3.0 **	-.12
		2	Disagree	112	21	765	21	358	19	590	18							
		3	Agree	291	54	1,841	49	1,056	53	1,728	50							
		4	Strongly agree	100	19	844	22	426	22	912	26							
		Total		533	100	3,678	100	1,943	100	3,398	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	1	0	16	1	8	0	9	0	16.6	15.4 **	.13	15.8 *	.09	15.5 **	.13
		3	1-5 hrs	40	8	427	12	219	13	374	12							
		8	6-10 hrs	111	21	798	22	385	20	715	21							
		13	11-15 hrs	103	19	787	21	369	19	723	20							
		18	16-20 hrs	119	23	691	18	398	20	662	19							
		23	21-25 hrs	58	10	447	13	235	12	425	12							
		28	26-30 hrs	39	7	206	6	139	7	227	7							
		33	More than 30 hrs	62	12	299	9	182	9	255	8							
		Total		533	100	3,671	100	1,935	100	3,390	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 Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	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	224	42	1,492	43	754	39	1,581	48	4.8	4.7	.01	5.1	-.04	4.6	.03	
	(Recorded version of tmccurr	3	1-5 hrs	153	28	1,047	29	631	32	878	26								
	created by NSSE.	8	6-10 hrs	73	14	525	14	243	12	355	10								
	Values are estimated number of hours per week.)	13	11-15 hrs	36	7	277	7	126	7	237	7								
		18	16-20 hrs	18	4	157	4	87	5	156	4								
		23	21-25 hrs	17	3	70	2	33	2	80	2								
		28	26-30 hrs	7	1	36	1	26	1	48	1								
		33	More than 30 hrs	3	1	53	1	35	2	54	2								
	Total			531	100	3,657	100	1,935	100	3,389	100								
c. Working for pay on campus	tmworkonhrs	0	0 hrs	374	71	2,801	77	1,458	75	2,654	79	3.4	3.0	.05	3.2	.03	2.8 *	.10	
	(Recorded version of tmworkon	3	1-5 hrs	33	6	130	3	81	4	136	4								
	created by NSSE.	8	6-10 hrs	46	8	208	5	115	6	169	5								
	Values are estimated number of hours per week.)	13	11-15 hrs	41	8	219	6	122	6	176	5								
		18	16-20 hrs	28	5	203	6	100	5	143	4								
		23	21-25 hrs	5	1	55	2	25	1	56	2								
		28	26-30 hrs	2	0	18	0	12	1	28	1								
		33	More than 30 hrs	4	1	30	1	15	1	27	1								
	Total			533	100	3,664	100	1,928	100	3,389	100								
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	194	37	1,186	33	621	33	1,032	31	11.3	13.8 ***	-20	13.4 ***	-17	14.9 ***	-28	
	(Recorded version of tmworkoff	3	1-5 hrs	20	4	196	5	114	6	175	5								
	created by NSSE.	8	6-10 hrs	57	11	288	8	139	7	228	6								
	Values are estimated number of hours per week.)	13	11-15 hrs	61	11	312	8	207	11	276	8								
		18	16-20 hrs	73	14	473	13	248	13	420	12								
		23	21-25 hrs	55	10	395	11	206	10	354	10								
		28	26-30 hrs	34	6	288	8	115	6	287	8								
		33	More than 30 hrs	40	8	525	16	281	15	621	19								
	Total			534	100	3,663	100	1,931	100	3,393	100								
Estimated number of hours working for pay	tmworkhrs										14.7	16.9 ***	-17	16.6 **	-15	17.7 ***	-22		
	(Continuous variable created by NSSE)																		

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NSSE 2023 Frequencies and Statistical Comparisons

University of Minnesota Duluth

Seniors

Frequency Distributions^a

Statistical Comparisons^b

Your seniors compared with

Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Effect size ^e	Effect size ^e	Effect size ^e
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	338	64	2,017	57	1,087	57	1,964	60	2.3	2.7	-.07	2.4	-.02	2.9 *	-0.10
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	136	26	1,123	30	619	31	892	25							
		8	6-10 hrs	27	5	260	7	117	6	248	7							
		13	11-15 hrs	9	2	112	3	50	3	124	3							
		18	16-20 hrs	6	1	70	2	35	2	61	2							
		23	21-25 hrs	5	1	28	1	8	0	38	1							
		28	26-30 hrs	1	0	16	0	7	0	21	1							
		33	More than 30 hrs	7	1	28	1	9	0	38	1							
	Total			529	100	3,654	100	1,932	100	3,386	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	4	1	76	2	56	3	124	4	12.9	11.8 **	.14	12.0 *	.11	11.1 ***	.23
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	90	16	753	21	366	19	841	25							
		8	6-10 hrs	151	28	1,059	29	530	27	918	27							
		13	11-15 hrs	122	23	766	20	448	23	699	20							
		18	16-20 hrs	90	18	511	14	288	15	417	12							
		23	21-25 hrs	29	5	211	6	116	6	163	5							
		28	26-30 hrs	21	4	88	2	51	3	76	2							
		33	More than 30 hrs	26	5	190	5	79	4	155	5							
	Total			533	100	3,654	100	1,934	100	3,393	100							
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	455	86	2,629	71	1,510	77	2,152	63	1.7	4.0 ***	-.28	3.7 ***	-.24	6.0 ***	-.42
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	29	5	370	10	141	7	350	11							
		8	6-10 hrs	17	3	185	5	47	2	188	6							
		13	11-15 hrs	9	2	128	4	52	3	138	4							
		18	16-20 hrs	10	2	93	3	32	2	108	3							
		23	21-25 hrs	4	1	40	1	20	1	65	2							
		28	26-30 hrs	2	0	28	1	11	1	54	1							
		33	More than 30 hrs	6	1	187	6	117	6	329	10							
	Total			532	100	3,660	100	1,930	100	3,384	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	Frequency Distributions ^a								Statistical Comparisons ^b						
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD	UMD Peers	UMD Competitors	NSSE Carnegie			
				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 (Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	41	8	547	15	361	19	511	14	4.3	4.9 ** ▽	-0.11	4.2	.02	5.5 *** ▽	-0.19
		3	1-5 hrs	388	72	2,109	58	1,209	62	1,850	56							
		8	6-10 hrs	69	13	625	16	209	11	598	18							
		13	11-15 hrs	23	4	187	5	78	4	197	6							
		18	16-20 hrs	8	1	96	3	33	2	101	3							
		23	21-25 hrs	3	1	42	1	14	1	44	1							
		28	26-30 hrs	1	0	15	0	10	1	27	1							
		33	More than 30 hrs	1	0	38	1	19	1	66	2							
		Total		534	100	3,659	100	1,933	100	3,394	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	104	21	604	18	387	20	403	13	2.5	2.6	-0.08	2.5	-0.02	2.8 *** ▽	-0.29
		2	Some	189	36	1,210	34	661	34	957	29							
		3	About half	119	22	955	25	476	25	991	29							
		4	Most	91	16	665	18	304	16	716	20							
		5	Almost all	28	5	210	5	97	5	308	9							
		Total		531	100	3,644	100	1,925	100	3,375	100							
tmreadinghrs											6.5	6.5	.00	6.3	.03	7.4 *** ▽	-0.14	
(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)																		
tmreadinghrscol (Collapsed version of tmreadinghrs created by NSSE.)		1	0 hrs	1	0	14	0	7	0	8	0	6.5	6.5	.00	6.3	.03	7.4 *** ▽	-0.14
		2	More than zero, up to 5 hrs	282	55	1,880	53	1,030	54	1,496	47							
		3	More than 5, up to 10 hrs	133	25	1,026	27	520	27	1,018	29							
		4	More than 10, up to 15 hrs	59	11	360	10	178	9	390	11							
		5	More than 15, up to 20 hrs	34	6	184	5	95	5	206	6							
		6	More than 20, up to 25 hrs	15	2	119	3	65	3	157	4							
		7	More than 25 hrs	6	1	52	1	26	1	85	2							
		Total		530	100	3,635	100	1,921	100	3,360	100							

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University of Minnesota Duluth

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ^e	Mean	Effect size ^e	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	20	4	181	5	101	5	139	4	3.0	3.0	.00	2.9	.03	3.1 **	-.13	
		2	Some	123	24	838	24	456	24	616	19								
		3	Quite a bit	235	45	1,452	40	813	43	1,400	41								
		4	Very much	152	28	1,180	31	562	28	1,229	36								
		Total		530	100	3,651	100	1,932	100	3,384	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	34	7	262	8	139	7	186	6	2.8	2.9	-.06	2.9	-.05	3.0 ***	-.17	
		2	Some	157	30	880	25	495	26	734	22								
		3	Quite a bit	197	37	1,391	38	754	38	1,332	39								
		4	Very much	141	27	1,118	29	542	28	1,128	33								
		Total		529	100	3,651	100	1,930	100	3,380	100								
c. Thinking critically and analytically	pgthink	1	Very little	9	2	83	3	46	3	69	2	3.3	3.3	.05	3.3	-.01	3.3	-.02	
		2	Some	73	14	473	13	219	11	424	12								
		3	Quite a bit	201	37	1,468	40	773	40	1,280	37								
		4	Very much	246	47	1,627	44	892	46	1,609	48								
		Total		529	100	3,651	100	1,930	100	3,382	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	49	8	297	8	164	9	271	8	2.9	2.9	.00	2.9	.04	2.9	.00	
		2	Some	127	23	875	23	473	24	808	23								
		3	Quite a bit	182	35	1,288	36	683	35	1,192	35								
		4	Very much	170	34	1,195	33	610	32	1,110	34								
		Total		528	100	3,655	100	1,930	100	3,381	100								
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	44	9	298	8	141	7	301	9	2.9	2.9	-.03	3.0 *	-.10	2.9	-.02	
		2	Some	126	24	879	24	430	23	779	23								
		3	Quite a bit	198	37	1,285	35	672	34	1,196	35								
		4	Very much	161	30	1,194	32	688	35	1,107	32								
		Total		529	100	3,656	100	1,931	100	3,383	100								
f. Working effectively with others	pgothers	1	Very little	17	3	151	5	95	5	155	5	3.1	3.0	.04	3.1	.02	3.1	.01	
		2	Some	107	20	684	20	361	19	617	19								
		3	Quite a bit	221	42	1,538	42	765	41	1,358	40								
		4	Very much	186	35	1,277	34	707	35	1,251	36								
		Total		531	100	3,650	100	1,928	100	3,381	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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University of Minnesota Duluth

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Item wording or description	Variable name ^c	Values ^d	Response options	Frequency Distributions ^a								Statistical Comparisons ^b							
				UMD		UMD Peers		UMD Competitors		NSSE Carnegie		UMD		UMD Peers		UMD Competitors		NSSE Carnegie	
				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	67	13	364	11	208	11	299	10	2.7	2.8 ***	-0.16	2.8 **	-0.13	2.9 ***	-0.22	
		2	Some	159	30	876	25	505	26	764	23								
		3	Quite a bit	175	33	1,307	36	684	35	1,228	36								
		4	Very much	128	23	1,105	29	531	28	1,085	31								
		Total		529	100	3,652	100	1,928	100	3,376	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	60	12	274	8	200	10	230	7	2.6	2.9 ***	-0.31	2.8 ***	-0.16	3.0 ***	-0.40	
		2	Some	181	35	814	23	554	29	700	21								
		3	Quite a bit	179	33	1,370	38	670	35	1,232	37								
		4	Very much	109	20	1,191	30	500	26	1,209	34								
		Total		529	100	3,649	100	1,924	100	3,371	100								
i. Solving complex real-world problems	pgprobolve	1	Very little	38	7	302	9	156	8	272	8	2.8	2.8	-0.04	2.9	-0.06	2.9	-0.07	
		2	Some	159	30	939	26	490	25	826	25								
		3	Quite a bit	193	36	1,342	37	738	38	1,246	37								
		4	Very much	140	26	1,065	28	538	28	1,028	30								
		Total		530	100	3,648	100	1,922	100	3,372	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	72	14	411	13	270	14	308	10	2.6	2.7 *	-0.11	2.7	-0.07	2.8 ***	-0.24	
		2	Some	178	33	1,047	29	579	29	896	27								
		3	Quite a bit	174	33	1,233	33	641	33	1,186	34								
		4	Very much	106	20	963	25	444	24	988	29								
		Total		530	100	3,654	100	1,934	100	3,378	100								
19. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	14	3	135	5	68	4	86	3	3.0	3.1	-0.06	3.1 *	-0.11	3.2 ***	-0.20	
		2	Fair	89	17	547	16	266	14	439	14								
		3	Good	289	54	1,735	46	938	48	1,508	44								
		4	Excellent	138	26	1,238	33	663	33	1,345	39								
		Total		530	100	3,655	100	1,935	100	3,378	100								
20. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	20	4	188	6	94	5	139	5	3.1	3.1	-0.03	3.1	-0.08	3.2 ***	-0.17	
		2	Probably no	83	16	571	16	287	15	437	13								
		3	Probably yes	274	52	1,524	41	818	42	1,330	39								
		4	Definitely yes	156	29	1,384	37	743	38	1,484	43								
		Total		533	100	3,667	100	1,942	100	3,390	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

Detailed Statistics^g

University of Minnesota Duluth

First-Year Students

Variable Name	N		Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:			
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	
1 a. askquest	734	2.69	2.71	2.66	2.76	.030	.010	.012	.011	.81	.83	.82	.82	7,307	5,375	6,448	.477	.359	.019	-.03	.04	-.09	
b. CLaskhelp	733	2.64	2.51	2.57	2.50	.031	.011	.013	.011	.83	.88	.85	.87	928	5,334	951	.000	.056	.000	.14	.08	.16	
c. CLexplain	729	2.65	2.59	2.60	2.52	.030	.010	.012	.011	.81	.82	.80	.83	7,243	5,329	6,404	.047	.134	.000	.08	.06	.15	
d. CLstudy	728	2.46	2.35	2.40	2.31	.033	.012	.014	.012	.90	.94	.94	.92	7,211	5,296	6,344	.002	.086	.000	.12	.07	.17	
e. CLproject	728	2.71	2.62	2.59	2.55	.030	.010	.012	.011	.80	.83	.81	.82	913	5,264	6,310	.007	.000	.000	.10	.15	.19	
f. present	726	2.14	2.11	2.09	2.15	.029	.011	.013	.011	.78	.85	.85	.85	933	1,025	967	.280	.119	.765	.04	.06	-.01	
2 a. RIintegrate	719	2.65	2.59	2.59	2.57	.031	.010	.012	.011	.82	.82	.81	.82	7,059	5,174	6,176	.056	.099	.022	.08	.07	.09	
b. RISocietal	712	2.53	2.57	2.50	2.58	.032	.011	.013	.012	.85	.87	.85	.89	6,971	5,124	6,123	.188	.439	.141	-.05	.03	-.06	
c. RIDiverse	705	2.49	2.63	2.51	2.66	.034	.011	.013	.012	.91	.90	.88	.88	6,905	5,090	884	.000	.584	.000	-.15	-.02	-.19	
d. Rlownview	699	2.73	2.75	2.70	2.75	.031	.010	.012	.011	.81	.81	.78	.79	6,817	5,008	5,948	.637	.325	.577	-.02	.04	-.02	
e. RIPerspect	693	2.91	2.90	2.85	2.89	.029	.010	.012	.011	.77	.78	.77	.78	6,736	4,924	5,838	.810	.070	.656	.01	.07	.02	
f. Rlnewview	685	2.85	2.84	2.82	2.88	.030	.010	.012	.011	.78	.77	.77	.77	6,627	4,824	5,738	.626	.338	.366	.02	.04	-.04	
g. RIconnect	681	3.06	3.02	3.01	3.01	.027	.010	.011	.010	.72	.73	.72	.73	6,534	4,769	5,656	.214	.106	.086	.05	.07	.07	
3 a. SFcareer	672	2.24	2.34	2.35	2.32	.035	.012	.014	.013	.91	.92	.91	.92	840	4,760	871	.008	.004	.028	-.11	-.12	-.09	
b. SFotherwork	673	1.73	1.81	1.81	1.81	.035	.012	.014	.013	.90	.92	.91	.94	6,499	4,731	5,619	.032	.042	.042	-.09	-.08	-.08	
c. SFdiscuss	667	2.01	2.03	2.02	2.03	.034	.012	.014	.013	.89	.91	.88	.92	836	4,679	870	.589	.792	.577	-.02	-.01	-.02	
d. SFperform	664	2.00	2.16	2.08	2.13	.033	.012	.014	.013	.85	.89	.87	.88	840	909	872	.000	.031	.000	-.18	-.09	-.15	
4 a. memorize	663	2.92	2.95	2.92	2.92	.031	.010	.013	.011	.80	.78	.79	.80	6,400	4,617	5,505	.315	.924	.940	-.04	.00	.00	
b. HOapply	655	2.90	2.90	2.92	2.89	.031	.011	.012	.012	.79	.80	.78	.80	6,366	4,579	5,456	.959	.577	.918	.00	-.02	.00	
c. HOanalyze	655	2.83	2.88	2.86	2.90	.030	.011	.013	.012	.78	.81	.78	.81	6,313	4,541	5,396	.121	.402	.044	-.06	-.04	-.08	
d. HOevaluate	654	2.72	2.87	2.81	2.90	.032	.011	.013	.012	.81	.81	.81	.79	812	4,518	835	.000	.011	.000	-.18	-.11	-.23	
e. HOform	648	2.83	2.89	2.84	2.91	.030	.011	.013	.012	.75	.79	.79	.79	6,274	4,479	5,318	.059	.710	.012	-.08	-.02	-.10	
5 a. ETgoals	641	3.03	3.00	3.03	3.06	.028	.010	.012	.011	.72	.76	.76	.76	6,235	4,427	853	.408	.927	.361	.03	.00	-.04	
b. ETorganize	641	2.96	2.92	2.95	2.95	.031	.011	.013	.012	.78	.82	.81	.83	811	4,406	852	.256	.824	.861	.05	.01	.01	
c. ETexample	641	3.02	2.94	2.96	2.97	.031	.011	.013	.012	.78	.80	.80	.83	6,198	4,406	853	.025	.136	.209	.09	.06	.05	
d. ETdraftfb	638	2.74	2.78	2.75	2.88	.035	.012	.014	.013	.89	.90	.87	.88	6,165	4,391	5,218	.339	.772	.000	-.04	-.01	-.16	
e. ETfeedback	637	2.65	2.68	2.65	2.77	.034	.012	.014	.013	.85	.87	.88	.89	6,148	4,369	5,173	.411	.933	.001	-.03	.00	-.13	
f. etcriteria	631	2.94	2.94	2.94	2.99	.031	.011	.013	.012	.78	.81	.81	.82	6,106	4,314	5,134	.960	.954	.142	.00	.00	-.06	
g. etreview	632	2.93	2.94	2.92	2.98	.030	.011	.013	.012	.75	.78	.78	.78	6,070	4,296	5,099	.719	.769	.115	-.02	.01	-.07	
h. etprefer	632	2.58	2.60	2.60	2.64	.032	.011	.014	.013	.81	.84	.82	.85	6,060	4,269	5,082	.480	.515	.070	-.03	-.03	-.08	
i. etdemonstrate	633	3.13	3.07	3.10	3.10	.029	.011	.013	.012	.74	.79	.78	.79	6,054	4,265	5,065	.072	.435	.388	.08	.03	.04	

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Minnesota Duluth

First-Year Students

Variable Name	N		Mean			Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:		
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie
6 a. QRconclude	619	2.64	2.61	2.63	2.61	.035	.011	.014	.012	.87	.84	.83	.82	5,963	4,173	4,972	.311	.768	.403	.04	.01	.04
b. QRproblem	617	2.42	2.40	2.34	2.42	.035	.012	.015	.014	.86	.90	.87	.90	5,928	4,144	4,932	.596	.048	.967	.02	.09	.00
c. QRevaluate	614	2.40	2.38	2.39	2.40	.034	.012	.014	.013	.83	.87	.84	.85	5,905	4,124	4,910	.683	.813	.934	.02	.01	.00
7 a. wrshortnum	615	6.41	6.21	6.27	6.27	.232	.077	.095	.083	5.75	5.64	5.61	5.43	5,912	4,117	780	.418	.589	.575	.03	.02	.03
b. wrmednum	615	2.02	2.10	2.15	2.14	.130	.046	.057	.053	3.23	3.31	3.38	3.45	5,882	4,092	4,853	.548	.359	.393	-.03	-.04	-.04
c. wrlongnum	616	.79	.92	.95	1.08	.105	.040	.050	.052	2.60	2.94	2.94	3.38	5,896	4,100	943	.305	.202	.013	-.04	-.06	-.09
— wrpages	615	47.07	48.99	50.28	51.50	2.787	1.028	1.273	1.254	69.09	74.47	74.99	81.48	5,863	4,082	4,834	.542	.323	.200	-.03	-.04	-.06
8 a. DDrace	610	2.78	3.02	2.73	2.85	.035	.012	.015	.014	.87	.88	.87	.91	5,881	4,079	4,870	.000	.137	.095	-.27	.07	-.07
b. DDeconomic	608	2.93	3.00	2.84	2.87	.032	.012	.014	.014	.80	.86	.84	.89	779	857	836	.055	.007	.055	-.08	.12	.08
c. DDreligion	608	2.91	2.96	2.81	2.81	.033	.012	.015	.014	.82	.89	.88	.94	782	872	849	.246	.005	.004	-.05	.12	.11
d. DDpolitical	607	2.86	2.88	2.81	2.72	.035	.012	.015	.015	.86	.90	.88	.95	769	4,062	833	.578	.190	.000	-.02	.06	.15
e. ddsexorient	607	2.87	2.84	2.66	2.76	.037	.013	.016	.015	.92	.97	.94	.98	771	846	820	.408	.000	.007	.03	.22	.11
f. ddcountry	609	2.37	2.62	2.39	2.39	.034	.013	.016	.015	.83	.92	.92	.95	792	895	852	.000	.538	.570	-.28	-.03	-.02
9 a. LSreading	606	2.82	2.91	2.86	2.95	.030	.011	.013	.012	.74	.77	.77	.76	5,837	4,026	4,824	.010	.204	.000	-.11	-.06	-.17
b. LSnotes	604	2.82	2.83	2.85	2.90	.036	.012	.015	.013	.88	.86	.86	.86	5,826	4,027	774	.709	.495	.032	-.02	-.03	-.10
c. LSsummary	604	2.76	2.79	2.77	2.83	.033	.012	.014	.013	.82	.85	.85	.85	5,832	4,020	4,815	.443	.686	.064	-.03	-.02	-.08
10 challenge	600	5.21	5.24	5.29	5.26	.045	.017	.020	.019	1.11	1.20	1.16	1.24	771	4,003	827	.543	.114	.330	-.02	-.07	-.04
11 a. intern ^l	597	5%	6%	5%	5%	.009	.003	.004	.003	--	--	--	--	--	--	--	.242	.771	.803	-.05	.01	.01
b. leader ^l	596	6%	10%	9%	8%	.010	.004	.005	.004	--	--	--	--	--	--	--	.002	.010	.088	-.15	-.12	-.08
c. learncom ^l	596	10%	14%	9%	9%	.012	.005	.005	.004	--	--	--	--	--	--	--	.004	.627	.822	-.13	.02	.01
d. abroad ^l	595	2%	2%	2%	2%	.006	.002	.002	.002	--	--	--	--	--	--	--	.573	.967	.962	-.03	.00	.00
e. research ^l	596	4%	4%	3%	4%	.008	.003	.003	.003	--	--	--	--	--	--	--	.796	.624	.947	-.01	.02	.00
f. capstone ^l	593	2%	2%	1%	2%	.006	.002	.002	.002	--	--	--	--	--	--	--	.604	.121	.318	.02	.06	.04
12 servcourse	593	1.58	1.61	1.58	1.64	.026	.010	.012	.011	.63	.69	.68	.72	765	852	826	.392	.819	.035	-.03	.01	-.08
13 a. Qlstudent	591	5.37	5.36	5.36	5.29	.051	.018	.022	.021	1.25	1.31	1.28	1.35	5,669	3,919	802	.789	.872	.150	.01	.01	.06
b. Qladvisor	587	5.34	5.33	5.45	5.43	.060	.022	.026	.024	1.46	1.54	1.49	1.54	746	3,887	4,665	.910	.111	.178	.00	-.07	-.06
c. Qlfaculty	589	5.42	5.29	5.34	5.34	.046	.018	.022	.021	1.11	1.31	1.26	1.35	792	883	864	.009	.104	.098	.10	.07	.06
d. Qlstaff	553	5.34	5.05	5.27	5.11	.056	.023	.025	.026	1.33	1.52	1.41	1.56	742	790	808	.000	.258	.000	.19	.05	.15
e. Qladmin	526	5.19	5.04	5.25	5.17	.057	.022	.026	.025	1.32	1.51	1.42	1.52	693	755	738	.012	.370	.690	.10	-.04	.02

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Minnesota Duluth

First-Year Students

Variable Name	N		Mean			Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:		
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie
14 a. empstudy	591	2.98	3.02	3.01	3.00	.029	.010	.013	.012	.71	.75	.73	.75	749	3,922	4,701	.220	.345	.670	-.05	-.04	-.02
b. SEacademic	590	2.80	2.94	2.92	2.94	.032	.011	.014	.013	.77	.82	.79	.83	5,695	3,920	4,690	.000	.000	.000	-.17	-.16	-.17
c. SElearnsup	590	2.80	2.99	2.99	3.00	.036	.012	.015	.014	.86	.89	.85	.90	5,680	803	4,693	.000	.000	.000	-.21	-.22	-.22
d. SEdiverse	587	2.64	2.73	2.62	2.75	.037	.013	.016	.014	.90	.94	.92	.93	5,661	3,905	4,683	.025	.587	.007	-.10	.02	-.12
e. SEsocial	585	2.87	2.86	2.94	2.87	.034	.012	.014	.014	.82	.86	.82	.87	5,661	3,906	783	.722	.061	.989	.02	-.08	.00
f. SEwellness	590	2.80	2.81	2.90	2.84	.033	.012	.015	.014	.81	.89	.85	.90	762	3,902	813	.806	.007	.313	-.01	-.12	-.04
g. SEonacad	585	2.17	2.22	2.18	2.29	.037	.013	.016	.015	.89	.94	.92	.96	743	3,891	795	.175	.708	.002	-.06	-.02	-.13
h. SEactivities	585	2.73	2.79	2.81	2.73	.033	.012	.015	.014	.81	.88	.86	.92	755	3,891	820	.079	.021	.826	-.07	-.10	-.01
i. SEevents	586	2.31	2.38	2.43	2.50	.036	.013	.016	.015	.87	.92	.90	.93	742	3,890	789	.044	.001	.000	-.08	-.14	-.21
15 a. sbmyself	587	3.15	3.18	3.19	3.17	.025	.009	.011	.010	.61	.64	.64	.66	5,643	831	795	.375	.139	.643	-.04	-.06	-.02
b. sbvalued	584	2.88	2.90	2.93	2.95	.029	.010	.012	.011	.69	.73	.71	.72	5,635	3,868	4,643	.487	.106	.018	-.03	-.07	-.10
c. sbcommunity	585	2.91	2.91	2.96	2.93	.028	.011	.013	.012	.68	.76	.72	.76	760	3,873	807	.957	.167	.660	.00	-.06	-.02
16 a. tmprephrs	586	15.45	14.58	14.56	13.99	.318	.109	.136	.122	7.70	7.77	7.80	7.76	5,625	3,874	4,647	.010	.011	.000	.11	.11	.19
b. tmcocurrhrs	585	5.34	4.93	5.19	4.54	.259	.093	.111	.101	6.27	6.57	6.32	6.44	5,618	3,856	4,636	.156	.599	.005	.06	.02	.12
c. tmworkonhrs	586	2.66	2.24	2.66	2.05	.233	.078	.099	.084	5.63	5.51	5.69	5.36	721	3,869	746	.087	.992	.014	.08	.00	.11
d. tmworkoffhrs	587	4.40	6.68	5.52	6.67	.335	.139	.154	.156	8.12	9.87	8.86	9.93	802	854	860	.000	.002	.000	-.24	-.13	-.23
— tmworkhrs	586	7.03	8.91	8.18	8.70	.405	.160	.177	.176	9.80	11.33	10.11	11.22	779	3,864	823	.000	.011	.000	-.17	-.11	-.15
e. tmservicehrs	587	1.51	2.18	1.70	1.60	.143	.063	.069	.060	3.46	4.50	3.95	3.83	836	3,864	4,645	.000	.271	.585	-.15	-.05	-.02
f. tmrelaxhrs	587	15.33	13.59	13.84	12.61	.346	.122	.148	.136	8.38	8.64	8.49	8.67	5,631	3,874	4,647	.000	.000	.000	.20	.18	.32
g. tmcarehrs	585	.91	1.96	1.45	2.54	.139	.075	.081	.097	3.36	5.32	4.65	6.16	963	1,028	1,245	.000	.001	.000	-.20	-.12	-.28
h. tmcommutehrs	585	2.47	4.09	3.35	4.38	.180	.075	.087	.095	4.35	5.33	5.01	6.05	803	3,875	945	.000	.000	.000	-.31	-.18	-.33
17 reading	583	2.36	2.47	2.42	2.62	.044	.015	.018	.017	1.06	1.06	1.05	1.07	5,599	3,850	4,618	.025	.227	.000	-.10	-.05	-.23
— tmreadinghrs	582	5.74	5.70	5.56	5.94	.225	.073	.091	.085	5.44	5.18	5.20	5.36	5,572	3,834	4,598	.858	.443	.396	.01	.03	-.04

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														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie
18 a. pgwrite	585	2.63	2.77	2.70	2.84	.035	.012	.015	.013	.84	.84	.85	.83	5,601	3,842	756	.000	.047	.000	-.18	-.09	-.25
b. pgspeak	582	2.50	2.62	2.62	2.69	.037	.013	.016	.014	.89	.89	.89	.91	5,593	3,844	4,621	.003	.003	.000	-.13	-.13	-.21
c. pgthink	585	2.99	3.03	3.04	3.06	.032	.011	.014	.012	.78	.79	.78	.78	5,588	3,845	4,611	.214	.136	.066	-.05	-.07	-.08
d. pganalyze	582	2.68	2.68	2.72	2.71	.039	.013	.015	.014	.95	.90	.88	.89	5,593	772	735	.983	.332	.477	.00	-.05	-.03
e. pgwork	582	2.50	2.53	2.54	2.49	.036	.013	.016	.015	.86	.92	.92	.92	744	835	786	.441	.309	.748	-.03	-.04	.01
f. pgothers	579	2.75	2.80	2.78	2.78	.033	.012	.015	.014	.79	.86	.85	.87	747	835	797	.203	.397	.391	-.05	-.04	-.04
g. pgvalues	584	2.51	2.64	2.60	2.67	.037	.013	.016	.014	.88	.91	.89	.89	5,581	3,842	4,608	.001	.030	.000	-.14	-.10	-.17
h. pgdiverse	582	2.60	2.80	2.69	2.85	.037	.013	.016	.014	.89	.91	.89	.88	5,598	3,843	756	.000	.028	.000	-.22	-.10	-.28
i. pgprobsolve	579	2.51	2.61	2.59	2.64	.037	.013	.015	.014	.90	.90	.88	.91	5,601	3,843	4,617	.009	.051	.001	-.11	-.09	-.14
j. pgcitizen	586	2.51	2.59	2.56	2.67	.036	.013	.016	.014	.87	.93	.89	.90	748	3,858	4,634	.020	.178	.000	-.10	-.06	-.19
19 evalexp	582	2.96	3.04	3.06	3.03	.027	.010	.012	.011	.66	.71	.69	.72	5,620	3,866	4,647	.011	.001	.045	-.11	-.15	-.09
20 sameinst	587	3.02	3.09	3.14	3.09	.032	.011	.013	.012	.78	.78	.77	.79	731	803	770	.025	.001	.043	-.10	-.16	-.09
21 returnexp ^l	586	87%	89%	89%	88%	.0141	.0044	.0055	.0051	--	--	--	--	--	--	--	.123	.144	.454	-.07	-.06	-.03

IPEDS: 174233

NSSE 2023 Frequencies and Statistical Comparisons

Detailed Statistics^g

University of Minnesota Duluth

Seniors

Variable Name	N					Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
	UMD					UMD				UMD				UMD				Comparisons with:			Comparisons with:			Comparisons with:		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie				
1 a. askquest	647	2.95	2.99	2.96	3.07	.033	.011	.013	.011	.84	.87	.86	.86	7,250	5,343	7,269	.359	.791	.002	-.04	-.01	-.13				
b. CLaskhelp	645	2.66	2.56	2.52	2.48	.036	.011	.013	.011	.91	.93	.91	.92	7,229	5,340	7,233	.008	.000	.000	.11	.15	.19				
c. CLexplain	638	2.78	2.73	2.70	2.72	.033	.011	.013	.011	.82	.88	.86	.88	785	837	784	.225	.026	.106	.05	.09	.06				
d. CLstudy	633	2.45	2.45	2.40	2.37	.037	.012	.015	.012	.93	.99	1.00	1.00	777	845	780	.920	.139	.028	.00	.06	.09				
e. CLproject	630	3.09	2.91	2.92	2.88	.031	.011	.013	.011	.79	.90	.89	.90	798	863	799	.000	.000	.000	.20	.20	.23				
f. present	630	2.70	2.64	2.64	2.64	.037	.011	.014	.011	.93	.92	.92	.93	7,126	5,251	7,115	.102	.124	.143	.07	.07	.06				
2 a. RIintegrate	623	3.01	2.94	2.98	2.97	.031	.010	.012	.011	.79	.84	.82	.85	765	5,211	769	.031	.378	.205	.09	.04	.05				
b. RISocietal	624	2.71	2.75	2.75	2.87	.037	.011	.013	.011	.93	.91	.90	.91	7,025	5,179	745	.244	.296	.000	-.05	-.04	-.18				
c. RIDiverse	619	2.55	2.61	2.57	2.75	.040	.012	.014	.012	1.00	.97	.97	.95	6,964	5,130	733	.095	.566	.000	-.07	-.02	-.22				
d. Rlownview	617	2.80	2.83	2.77	2.89	.033	.011	.013	.011	.81	.84	.84	.84	6,912	5,099	6,904	.524	.412	.013	-.03	.04	-.10				
e. RIPerspect	610	2.94	2.96	2.92	3.01	.034	.010	.012	.010	.83	.80	.80	.80	724	5,005	723	.471	.563	.034	-.03	.02	-.09				
f. Rlnewview	605	2.88	2.94	2.91	3.02	.031	.010	.012	.010	.77	.80	.79	.80	6,749	4,933	6,720	.079	.442	.000	-.07	-.03	-.16				
g. RIconnect	603	3.15	3.15	3.17	3.22	.029	.009	.011	.009	.70	.74	.72	.73	6,681	4,875	735	.916	.394	.021	.00	-.04	-.10				
3 a. SFcareer	597	2.38	2.43	2.43	2.49	.039	.013	.015	.013	.95	1.00	.95	1.00	732	4,863	732	.247	.251	.012	-.05	-.05	-.10				
b. SFotherwork	600	1.93	1.98	2.03	2.01	.041	.013	.015	.013	1.02	1.01	1.01	1.04	6,647	4,848	6,621	.323	.027	.113	-.04	-.10	-.07				
c. SFdiscuss	592	2.21	2.17	2.18	2.18	.038	.012	.014	.013	.91	.94	.94	.99	6,576	4,794	735	.311	.468	.450	.04	.03	.03				
d. SFperform	596	2.09	2.21	2.18	2.27	.036	.012	.014	.012	.88	.93	.91	.96	732	784	743	.001	.017	.000	-.13	-.10	-.19				
4 a. memorize	595	2.75	2.81	2.78	2.83	.035	.011	.014	.011	.85	.87	.88	.88	6,549	4,776	6,516	.128	.467	.038	-.07	-.03	-.09				
b. HOapply	595	2.99	3.04	3.11	3.06	.031	.010	.012	.010	.76	.80	.76	.80	733	774	732	.192	.001	.048	-.05	-.15	-.08				
c. HOanalyze	582	2.97	2.99	3.03	3.06	.032	.011	.013	.011	.76	.83	.81	.81	724	776	716	.471	.059	.009	-.03	-.08	-.11				
d. HOevaluate	581	2.79	2.89	2.87	3.00	.034	.011	.014	.011	.83	.86	.86	.84	6,421	4,675	6,389	.004	.039	.000	-.13	-.09	-.25				
e. HOform	575	2.88	2.93	2.93	3.02	.033	.011	.013	.011	.78	.83	.82	.82	6,399	4,643	6,342	.167	.210	.000	-.06	-.06	-.16				
5 a. ETgoals	573	3.05	3.08	3.12	3.17	.030	.011	.012	.011	.73	.80	.78	.80	716	769	716	.394	.033	.000	-.03	-.09	-.15				
b. ETorganize	569	2.96	2.99	3.07	3.10	.033	.011	.013	.011	.79	.84	.80	.84	6,350	4,594	705	.392	.002	.000	-.04	-.14	-.16				
c. ETexample	568	3.04	3.04	3.10	3.13	.032	.011	.013	.011	.77	.83	.80	.84	702	752	709	.972	.100	.009	.00	-.07	-.11				
d. ETdraftfb	565	2.81	2.80	2.80	2.92	.036	.012	.015	.012	.86	.94	.93	.94	704	766	705	.798	.789	.003	.01	.01	-.12				
e. ETfeedback	565	2.74	2.78	2.77	2.89	.035	.012	.014	.012	.83	.91	.90	.91	705	766	707	.272	.412	.000	-.04	-.03	-.16				
f. etcriteria	559	2.92	2.99	3.01	3.08	.033	.011	.013	.011	.77	.84	.82	.84	6,279	4,557	694	.080	.019	.000	-.08	-.11	-.19				
g. etreview	555	2.92	3.00	3.03	3.10	.032	.011	.012	.011	.76	.82	.78	.81	6,250	4,535	685	.036	.002	.000	-.09	-.14	-.22				
h. etprefer	556	2.68	2.70	2.74	2.79	.035	.012	.014	.012	.83	.89	.87	.91	685	4,527	694	.558	.114	.004	-.02	-.07	-.12				
i. etdemonstrate	553	3.04	3.10	3.18	3.18	.033	.011	.012	.011	.77	.79	.77	.80	673	717	677	.084	.000	.000	-.08	-.19	-.17				

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		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:		
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie
6 a. QRconclude	547	2.66	2.68	2.67	2.66	.039	.012	.014	.012	.92	.90	.88	.92	6,175	691	6,091	.646	.891	.945	-.02	-.01	.00
b. QRproblem	545	2.45	2.49	2.47	2.51	.041	.013	.015	.013	.96	.94	.94	.97	6,152	4,455	6,061	.374	.745	.199	-.04	-.01	-.06
c. QRevaluate	546	2.51	2.49	2.48	2.49	.039	.012	.014	.013	.90	.92	.88	.94	6,129	4,439	6,044	.617	.453	.646	.02	.03	.02
7 a. wrshortnum	545	7.53	7.36	7.30	7.63	.272	.087	.105	.088	6.35	6.53	6.52	6.54	6,118	4,426	6,024	.550	.434	.730	.03	.04	-.02
b. wrmednum	544	3.18	3.43	3.23	3.74	.173	.060	.069	.060	4.05	4.45	4.32	4.44	678	4,418	680	.174	.815	.003	-.06	-.01	-.13
c. wrlongnum	547	1.72	1.92	1.74	2.06	.138	.052	.057	.053	3.23	3.89	3.56	3.89	710	4,425	714	.158	.878	.021	-.05	-.01	-.09
— wrpages	543	73.86	78.08	73.68	83.30	3.657	1.328	1.510	1.343	85.21	98.73	93.85	98.92	693	4,402	697	.278	.967	.016	-.04	.00	-.10
8 a. DDrace	545	2.63	3.01	2.76	2.94	.037	.012	.015	.013	.86	.91	.94	.94	6,099	740	6,020	.000	.001	.000	-.42	-.14	-.34
b. DDeconomic	544	2.85	3.01	2.88	2.95	.036	.012	.014	.012	.83	.87	.88	.90	6,099	4,406	6,007	.000	.394	.009	-.19	-.04	-.12
c. DDreligion	543	2.80	2.94	2.82	2.86	.037	.012	.015	.013	.87	.91	.92	.95	6,095	4,398	675	.001	.645	.134	-.15	-.02	-.06
d. DDpolitical	543	2.80	2.88	2.83	2.78	.038	.012	.015	.013	.88	.93	.92	.97	6,093	4,398	680	.046	.352	.742	-.09	-.04	.01
e. ddsexorient	543	2.72	2.79	2.71	2.82	.039	.013	.016	.013	.91	.95	.97	.97	6,088	725	5,989	.081	.790	.020	-.08	.01	-.10
f. ddcountry	543	2.31	2.64	2.46	2.53	.037	.013	.015	.013	.86	.94	.96	.98	675	747	691	.000	.000	.000	-.35	-.16	-.23
9 a. LSreading	540	2.87	2.99	2.96	3.08	.035	.011	.014	.011	.82	.83	.84	.82	6,072	4,372	5,961	.001	.024	.000	-.14	-.10	-.25
b. LSnotes	538	2.66	2.86	2.78	2.95	.038	.012	.015	.012	.89	.91	.93	.91	6,077	4,372	5,963	.000	.005	.000	-.22	-.13	-.32
c. LSsummary	540	2.70	2.86	2.81	2.95	.036	.012	.014	.012	.83	.87	.87	.87	6,065	4,373	5,964	.000	.006	.000	-.18	-.13	-.29
10 challenge	538	5.29	5.39	5.43	5.52	.051	.018	.020	.018	1.19	1.35	1.23	1.32	679	4,330	675	.081	.015	.000	-.07	-.11	-.17
11 a. intern ^l	536	56%	52%	54%	43%	.0215	.0067	.0081	.0068	--	--	--	--	--	--	--	.085	.249	.000	.08	.05	.26
b. leader ^l	536	30%	32%	36%	28%	.0199	.0063	.0078	.0061	--	--	--	--	--	--	--	.479	.007	.162	-.03	-.13	.06
c. learncom ^l	536	22%	24%	23%	20%	.0180	.0057	.0069	.0055	--	--	--	--	--	--	--	.396	.530	.331	-.04	-.03	.04
d. abroad ^l	538	11%	7%	8%	7%	.0133	.0035	.0044	.0035	--	--	--	--	--	--	--	.004	.027	.003	.12	.10	.12
e. research ^l	537	22%	21%	24%	21%	.0180	.0055	.0070	.0056	--	--	--	--	--	--	--	.362	.422	.545	.04	-.04	.03
f. capstone ^l	538	37%	49%	51%	46%	.0209	.0068	.0082	.0068	--	--	--	--	--	--	--	.000	.000	.000	-.25	-.27	-.17
12 servcourse	532	1.67	1.73	1.78	1.78	.030	.010	.012	.010	.69	.73	.73	.76	6,000	4,275	5,806	.082	.001	.001	-.08	-.16	-.15
13 a. Qlstudent	536	5.57	5.59	5.58	5.61	.049	.017	.021	.019	1.14	1.29	1.27	1.34	677	739	696	.734	.874	.425	-.01	-.01	-.03
b. Qladvisor	532	4.93	5.01	5.16	5.25	.074	.025	.029	.025	1.70	1.83	1.74	1.77	658	4,229	5,714	.331	.006	.000	-.04	-.13	-.18
c. Qlfaculty	535	5.36	5.34	5.44	5.54	.057	.019	.022	.020	1.32	1.43	1.32	1.41	662	4,251	666	.741	.148	.002	.01	-.07	-.13
d. Qlstaff	456	5.16	4.97	5.07	5.08	.066	.025	.028	.026	1.42	1.67	1.60	1.73	588	634	608	.006	.200	.239	.12	.06	.05
e. Qladmin	466	5.07	4.97	5.06	5.10	.069	.024	.028	.024	1.48	1.66	1.59	1.68	579	3,787	588	.143	.875	.746	.06	.01	-.01

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Variable Name	N		Mean				Standard error ^h				Standard deviation ⁱ				Degrees of freedom ⁱ			Significance ^k			Effect size ^e		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:			
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	
14 a. empstudy	537	3.05	3.06	3.05	3.10	.031	.010	.013	.011	.72	.76	.77	.77	660	723	669	.721	.962	.171	-.02	.00	-.06	
b. SEacademic	536	2.73	2.81	2.85	2.90	.035	.012	.014	.012	.81	.86	.83	.87	662	4,273	5,799	.028	.001	.000	-.09	-.15	-.20	
c. SElearnsup	533	2.59	2.76	2.79	2.86	.040	.013	.015	.013	.92	.94	.92	.97	5,982	4,264	5,790	.000	.000	.000	-.18	-.21	-.27	
d. SEdiverse	536	2.39	2.59	2.50	2.68	.039	.013	.016	.014	.90	.95	.96	.99	658	721	674	.000	.007	.000	-.22	-.12	-.29	
e. SEsocial	535	2.73	2.77	2.81	2.85	.036	.012	.014	.013	.83	.89	.87	.91	660	4,254	671	.254	.045	.002	-.05	-.09	-.13	
f. SEwellness	533	2.63	2.67	2.71	2.78	.037	.013	.015	.013	.86	.94	.91	.96	661	4,258	673	.247	.042	.000	-.05	-.09	-.16	
g. SEonacad	532	1.91	2.06	2.04	2.18	.037	.013	.016	.014	.86	.98	.95	1.03	676	732	696	.000	.001	.000	-.15	-.14	-.26	
h. SEactivities	536	2.47	2.60	2.62	2.57	.035	.013	.015	.014	.81	.94	.94	.99	687	757	710	.001	.000	.005	-.14	-.16	-.11	
i. SEevents	534	2.15	2.31	2.35	2.42	.036	.013	.015	.014	.84	.94	.93	.99	672	731	693	.000	.000	.000	-.17	-.22	-.28	
15 a. sbmyself	534	3.17	3.22	3.22	3.29	.031	.010	.012	.010	.72	.74	.72	.71	650	4,243	645	.091	.144	.000	-.07	-.07	-.18	
b. sbvalued	533	2.81	2.83	2.85	2.98	.035	.012	.013	.011	.80	.86	.82	.82	5,937	4,247	651	.585	.251	.000	-.02	-.05	-.21	
c. sbcommunity	534	2.87	2.87	2.91	2.97	.034	.011	.013	.011	.78	.84	.80	.83	660	4,252	5,747	.902	.275	.008	-.01	-.05	-.12	
16 a. tmprephrs	534	16.61	15.44	15.78	15.52	.382	.120	.147	.120	8.83	8.79	8.95	8.68	5,933	4,237	5,735	.003	.043	.006	.13	.09	.13	
b. tmcocurrhrs	532	4.83	4.75	5.08	4.63	.292	.093	.118	.100	6.73	6.82	7.16	7.21	5,914	4,238	5,734	.779	.450	.530	.01	-.04	.03	
c. tmworkonhrs	534	3.40	3.05	3.18	2.77	.282	.089	.108	.089	6.52	6.56	6.58	6.41	5,925	4,227	643	.235	.470	.034	.05	.03	.10	
d. tmworkoffhrs	535	11.33	13.82	13.41	14.90	.481	.170	.200	.178	11.12	12.46	12.20	12.84	674	732	689	.000	.000	.000	-.20	-.17	-.28	
— tmworkhrs	534	14.75	16.86	16.56	17.67	.503	.172	.198	.184	11.63	12.61	12.04	13.26	663	4,218	683	.000	.001	.000	-.17	-.15	-.22	
e. tmservicehrs	529	2.32	2.68	2.39	2.88	.229	.070	.073	.080	5.27	5.10	4.45	5.74	5,904	4,232	662	.124	.735	.021	-.07	-.02	-.10	
f. tmrelaxhrs	534	12.95	11.84	12.04	11.05	.344	.112	.130	.113	7.96	8.19	7.94	8.16	5,907	4,238	5,744	.003	.014	.000	.14	.11	.23	
g. tmcarehrs	533	1.65	4.01	3.70	5.96	.231	.119	.147	.149	5.33	8.72	8.96	10.70	845	1,029	1,045	.000	.000	.000	-.28	-.24	-.42	
h. tmcommutehrs	535	4.32	4.92	4.19	5.48	.169	.074	.083	.087	3.91	5.41	5.03	6.27	753	813	846	.001	.518	.000	-.11	.02	-.19	
17 reading	532	2.50	2.59	2.51	2.83	.050	.015	.018	.016	1.14	1.13	1.12	1.15	5,892	4,223	5,715	.079	.728	.000	-.08	-.02	-.29	
— tmreadinghrs	531	6.51	6.50	6.32	7.43	.250	.081	.095	.091	5.75	5.92	5.78	6.51	5,877	4,209	677	.967	.463	.001	.00	.03	-.14	

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Detailed Statistics^g

University of Minnesota Duluth

Seniors

Variable Name	N		Mean			Standard error ^h				Standard deviation ⁱ				Degrees of freedom ^j			Significance ^k			Effect size ^e		
	UMD	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	UMD	UMD Peers	UMD Competitors	NSSE Carnegie	Comparisons with:			Comparisons with:			Comparisons with:		
														UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie	UMD Peers	UMD Competitors	NSSE Carnegie
18 a. pgwrite	531	2.97	2.97	2.94	3.08	.035	.012	.014	.012	.82	.87	.85	.85	655	4,232	651	.981	.532	.004	.00	.03	-.13
b. pgspeak	530	2.84	2.89	2.88	2.99	.039	.012	.015	.012	.90	.92	.91	.89	5,897	4,228	641	.186	.332	.000	-.06	-.05	-.17
c. pgthink	530	3.29	3.25	3.30	3.31	.034	.011	.013	.011	.77	.79	.77	.78	5,892	4,223	5,724	.251	.775	.620	.05	-.01	-.02
d. pganalyze	529	2.94	2.94	2.90	2.94	.041	.013	.016	.013	.95	.94	.95	.94	5,902	4,228	5,721	.951	.406	.939	.00	.04	.00
e. pgwork	530	2.89	2.92	2.98	2.90	.041	.013	.015	.013	.93	.95	.93	.96	5,907	4,231	5,727	.507	.038	.737	-.03	-.10	-.02
f. pgothers	532	3.08	3.05	3.06	3.07	.036	.012	.014	.012	.82	.85	.86	.86	5,902	4,230	5,726	.408	.608	.762	.04	.02	.01
g. pgvalues	530	2.67	2.82	2.79	2.88	.043	.013	.016	.013	.98	.97	.97	.96	5,902	4,227	638	.001	.006	.000	-.16	-.13	-.22
h. pgdiverse	530	2.62	2.91	2.77	2.99	.041	.013	.016	.013	.93	.93	.95	.92	636	4,219	638	.000	.000	.000	-.31	-.16	-.40
i. pgprobsolve	531	2.81	2.85	2.86	2.88	.039	.013	.015	.013	.91	.93	.92	.93	5,901	4,217	5,715	.414	.232	.110	-.04	-.06	-.07
j. pgcitizen	530	2.59	2.70	2.66	2.82	.042	.013	.016	.013	.96	.98	.99	.96	5,908	4,236	5,723	.013	.123	.000	-.11	-.07	-.24
19 evalexp	531	3.03	3.07	3.11	3.18	.032	.011	.013	.011	.74	.82	.79	.79	665	715	658	.158	.016	.000	-.06	-.11	-.20
20 sameinst	534	3.06	3.09	3.12	3.20	.033	.012	.014	.012	.77	.87	.85	.84	678	736	671	.421	.069	.000	-.03	-.08	-.17

IPEDS: 174233

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."