
University of North Dakota

NSSE 2015 Major Field Report, Part II

Comparisons to Other Institutions

Aviat, CSci, AtSc

*Comparing your students majoring in the fields shown below to those
in the same fields at your comparison group institutions*

The Major Field Report group 'Aviat, CSci, AtSc' includes the following majors: Astronomy; Atmospheric science (including meteorology); Computer information systems; Computer science; Network security and systems; Other computer science and technology; Other, not listed.

Note:

The Major Field Report was formatted for printing. When viewing on screen in Excel, some content may appear truncated or oddly formatted. This is normal. Increasing the zoom level or viewing the report in Print Preview will improve on-screen display.

About Your Major Field Report, Part II

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Aviat, CSci, AtSc.

NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

Related-Major Groups

Self-reported majors (first major given if two were reported) were identified from the survey. Your institution had the option to customize how these were grouped, using up to ten related-major groups. Institutions choosing not to customize their related-major groups receive NSSE's ten default groups. The majors used in this report are listed on the cover page of this report.

Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included.

Class

Results are presented separately by institution-reported class level. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared*. Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

Technical Requirements

Related-major groups with fewer than 20 respondents in a given class are not reported (columns are blank). Comparison groups must also contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement, keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, the Major Field Report results are unweighted.

Report Sections

Engagement Indicators (pp. 3-7)	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your <i>Engagement Indicators</i> report for more details.
High-Impact Practices (p. 8)	Results on student participation in six High-Impact Practices (HIPs). See your <i>High-Impact Practices</i> report for more details.
Frequencies and Statistical Comparisons (pp. 9-44)	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile (pp. 45-51)	Response frequencies for all demographic questions for your institution and your three core comparison groups.

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores^a for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

- ▲ **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.
- No significant difference.
- ▼ **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.

First-Year Students in Aviat, CSci, AtSc

Seniors in Aviat, CSci, AtSc

Theme	Engagement Indicator	Your first-year students compared with			Your seniors compared with		
		Plains Public	Carnegie Class	NSSE 2015	Plains Public	Carnegie Class	NSSE 2015
Academic Challenge	Higher-Order Learning	--	▽	▽	--	--	--
	Reflective & Integrative Learning	--	--	--	--	--	--
	Learning Strategies	--	--	--	--	--	--
	Quantitative Reasoning	--	--	--	--	--	--
Learning with Peers	Collaborative Learning	--	--	--	--	--	--
	Discussions with Diverse Others	--	--	--	--	--	--
Experiences with Faculty	Student-Faculty Interaction	▲	▲	▲	--	--	--
	Effective Teaching Practices	--	--	--	--	--	--
Campus Environment	Quality of Interactions	--	--	--	--	--	--
	Supportive Environment	--	--	--	--	--	--

First-year students^a in Aviat, CSci, AtSc

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
UND (N = 34)	32.9	13.7	2.34	5	25	30	40	60				
Plains Public	37.3	12.5	.77	20	30	40	45	60	299	-4.4		-.348
Carnegie Class	38.1	13.7	.48	15	30	40	50	60	842	-5.2	*	-.380
NSSE 2015	37.6	13.7	.15	15	30	40	45	60	8,793	-4.7	*	-.343
Reflective & Integrative Learning												
UND (N = 34)	33.3	13.5	2.32	17	23	30	43	60				
Plains Public	32.4	12.3	.75	17	23	31	40	54	306	.9		.072
Carnegie Class	34.2	12.4	.43	14	26	34	43	57	873	-9		-.075
NSSE 2015	33.6	12.4	.13	14	26	34	40	57	9,013	-.3		-.025
Learning Strategies												
UND (N = 34)	33.3	16.7	2.87	13	20	27	47	60				
Plains Public	36.3	14.5	.89	13	27	33	47	60	295	-3.0		-.205
Carnegie Class	37.3	14.1	.49	20	27	40	47	60	849	-3.9		-.276
NSSE 2015	36.4	14.1	.15	13	27	33	47	60	8,866	-3.1		-.219
Quantitative Reasoning												
UND (N = 34)	30.0	14.1	2.43	0	20	27	40	60				
Plains Public	29.7	15.8	.96	0	20	27	40	60	303	.3		.020
Carnegie Class	28.6	16.1	.56	0	20	27	40	60	869	1.4		.085
NSSE 2015	27.1	16.3	.17	0	13	27	40	60	8,971	2.9		.180
Learning with Peers												
Collaborative Learning												
UND (N = 35)	34.0	14.0	2.37	10	25	35	40	60				
Plains Public	30.0	13.0	.79	10	20	30	40	50	301	4.0		.302
Carnegie Class	31.0	14.1	.49	10	20	30	40	60	858	3.0		.212
NSSE 2015	31.7	14.0	.15	10	20	30	40	60	8,869	2.3		.163
Discussions with Diverse Others												
UND (N = 35)	38.4	16.8	2.85	0	30	40	50	60				
Plains Public	38.5	15.8	.97	15	25	40	50	60	301	.0		-.003
Carnegie Class	39.2	16.6	.57	10	30	40	55	60	872	-.8		-.049
NSSE 2015	39.5	16.4	.17	10	30	40	55	60	8,942	-1.0		-.063

First-year students^a in Aviat, CSci, AtSc

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
UND (N = 35)	26.6	15.6	2.63	10	15	25	40	55				
Plains Public	19.9	13.2	.80	0	10	20	25	45	305	6.7	**	.497
Carnegie Class	17.5	14.4	.50	0	5	15	25	45	859	9.0	***	.626
NSSE 2015	18.0	14.4	.15	0	5	15	25	45	8,914	8.6	***	.592
Effective Teaching Practices												
UND (N = 35)	36.7	12.6	2.12	12	28	36	44	60				
Plains Public	39.8	12.9	.78	20	32	40	48	60	307	-3.1		-.243
Carnegie Class	38.8	12.9	.44	20	30	40	48	60	880	-2.1		-.163
NSSE 2015	39.0	13.1	.14	16	32	40	48	60	9,043	-2.3		-.175
Campus Environment												
Quality of Interactions												
UND (N = 33)	41.8	13.1	2.28	18	36	44	52	60				
Plains Public	42.8	11.9	.72	20	36	45	50	60	300	-1.0		-.082
Carnegie Class	41.9	12.0	.43	20	34	43	50	60	818	-.1		-.007
NSSE 2015	42.0	12.5	.14	18	34	44	50	60	8,278	-.2		-.017
Supportive Environment												
UND (N = 35)	33.4	14.1	2.39	10	25	33	40	60				
Plains Public	34.8	12.9	.78	13	25	35	43	60	306	-1.4		-.110
Carnegie Class	35.2	14.0	.49	13	25	35	45	60	867	-1.8		-.127
NSSE 2015	35.1	13.9	.15	13	25	35	45	60	8,943	-1.7		-.121

Seniors^a in Aviat, CSci, AtSc

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
UND (N = 33)	36.1	12.5	2.18	20	30	35	40	60				
Plains Public	36.5	14.4	.73	15	25	40	45	60	421	-.4		-.029
Carnegie Class	36.8	14.6	.44	10	25	40	45	60	1,126	-.8		-.053
NSSE 2015	37.7	14.4	.14	15	30	40	50	60	10,039	-1.6		-.112
Reflective & Integrative Learning												
UND (N = 33)	31.7	13.3	2.31	11	23	29	40	53				
Plains Public	32.3	12.9	.65	11	23	31	40	57	429	-.6		-.044
Carnegie Class	33.7	13.7	.41	11	23	34	43	60	1,149	-1.9		-.142
NSSE 2015	34.3	13.2	.13	14	26	34	43	60	10,297	-2.5		-.191
Learning Strategies												
UND (N = 32)	37.7	12.5	2.21	20	27	37	47	60				
Plains Public	35.5	15.0	.76	13	27	33	47	60	423	2.2		.151
Carnegie Class	34.9	15.7	.47	7	20	33	47	60	1,133	2.8		.179
NSSE 2015	36.1	15.3	.15	13	27	33	47	60	10,129	1.6		.106
Quantitative Reasoning												
UND (N = 33)	30.5	16.3	2.84	0	20	27	40	60				
Plains Public	29.4	16.6	.83	0	20	27	40	60	429	1.1		.065
Carnegie Class	27.7	17.8	.53	0	13	27	40	60	1,142	2.8		.158
NSSE 2015	27.6	17.1	.17	0	20	27	40	60	10,247	2.9		.168
Learning with Peers												
Collaborative Learning												
UND (N = 32)	31.1	11.5	2.03	15	23	30	38	55				
Plains Public	31.1	15.2	.77	5	20	30	40	60	40	.0		-.001
Carnegie Class	31.5	14.9	.45	10	20	30	40	60	34	-.5		-.030
NSSE 2015	32.1	14.5	.14	10	20	30	40	60	31	-1.0		-.071
Discussions with Diverse Others												
UND (N = 33)	33.8	14.5	2.52	15	20	35	40	60				
Plains Public	35.6	17.9	.90	0	20	35	50	60	422	-1.8		-.104
Carnegie Class	38.2	17.3	.52	5	25	40	55	60	1,133	-4.4		-.256
NSSE 2015	38.9	17.1	.17	5	25	40	55	60	10,185	-5.1		-.298

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Engagement Indicators: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
UND (N = 32)	25.3	17.3	3.05	0	15	20	40	60				
Plains Public	23.2	16.1	.81	0	10	20	35	55	426	2.2		.133
Carnegie Class	20.4	16.0	.48	0	10	20	30	55	1,122	4.9		.308
NSSE 2015	21.1	16.0	.16	0	10	20	30	55	10,158	4.2		.261
Effective Teaching Practices												
UND (N = 33)	38.7	12.4	2.15	20	32	40	48	60				
Plains Public	37.8	13.0	.65	16	32	40	48	60	432	.9		.071
Carnegie Class	36.9	13.7	.41	12	28	36	48	60	1,148	1.8		.130
NSSE 2015	37.7	14.0	.14	12	28	40	48	60	10,331	.9		.066
Campus Environment												
Quality of Interactions												
UND (N = 33)	42.3	10.9	1.90	22	34	42	52	60				
Plains Public	42.5	11.8	.61	19	36	44	50	60	411	-.3		-.024
Carnegie Class	40.9	12.2	.38	18	34	42	50	60	1,074	1.4		.115
NSSE 2015	42.0	12.3	.13	20	34	44	50	60	9,596	.3		.022
Supportive Environment												
UND (N = 33)	30.8	14.1	2.46	13	20	28	40	60				
Plains Public	30.9	14.2	.71	8	20	30	40	58	430	-.1		-.005
Carnegie Class	29.9	14.2	.43	8	20	30	40	55	1,137	.9		.066
NSSE 2015	30.5	14.6	.14	8	20	30	40	58	10,248	.4		.024

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

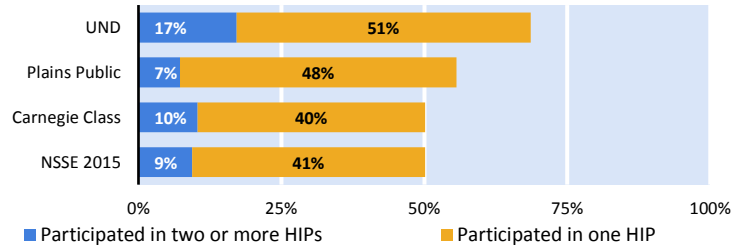
High-Impact Practices: Aviat, CSci, AtSc

University of North Dakota

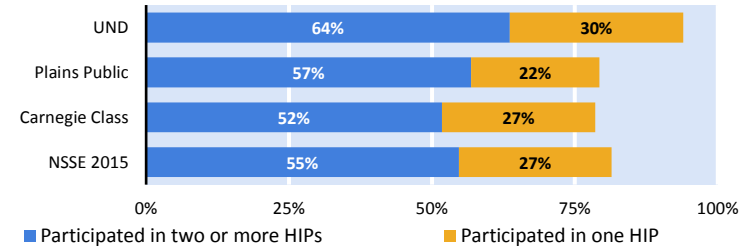
Overall HIP Participation^a

The figures below display the percentage^h of students who participated in High-Impact Practices. Both figures include participation in a learning community, service-learning, and research with faculty. The Senior figure also includes participation in an internship or field experience, study abroad, and culminating senior experience. The first segment in each bar shows the percentage of students who participated in at least two HIPs, and the full bar (both colors) represents the percentage who participated in at least one.

First-Year Students in Aviat, CSci, AtSc



Seniors in Aviat, CSci, AtSc



Statistical Comparisons^a

The table below compares the percentage^h of your students who participated in a High-Impact Practice, including the percentage who participated overall (at least one, two or more), with those at institutions in your comparison groups.

	UND		Plains Public		Carnegie Class		NSSE 2015				
	%		% ⁱ	Effect size ^j	% ⁱ	Effect size ^j	% ⁱ	Effect size ^j			
<i>First-Year Students in Aviat, CSci, AtSc</i>											
11c. Learning community	23		10 *		.35	16		.18	12		.28
12. Service-learning	62		51		.22	42 *		.40	44 *		.36
11e. Research with faculty	11		3 *		.35	5		.26	5		.24
Participated in at least one	69		56		.27	50 *		.38	50 *		.38
Participated in two or more	17		7 *		.31	10		.20	9		.23
<i>Seniors in Aviat, CSci, AtSc</i>											
11c. Learning community	24		19		.12	17		.19	18		.15
12. Service-learning	52		50		.03	42		.18	46		.11
11e. Research with faculty	15		18		-.06	21		-.16	22		-.17
11a. Internship or field exp.	41		50		-.18	51		-.21	51		-.20
11d. Study abroad	9		7		.08	9		.01	10		-.02
11f. Culminating senior exp.	61		43		.35	38 **		.45	44 *		.34
Participated in at least one	94		79 *		.45	79 *		.46	81		.39
Participated in two or more	64		57		.14	52		.24	55		.18

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k								
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Your first-year students compared with		Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
													Mean	Effect size ⁿ						
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	0	0	7	3	47	6	469	5	2.8	2.7	.15	2.7	.15	2.7	.10		
		2	Sometimes	15	43	112	40	349	41	3,491	39									
		3	Often	11	31	112	40	267	31	2,989	33									
		4	Very often	9	26	46	17	186	22	2,082	23									
		Total		35	100	277	100	849	100	9,031	100									
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	6	18	49	18	156	18	1,800	20	2.6	2.4	.18	2.5	.12	2.4	.20		
		2	Sometimes	9	27	109	39	297	35	3,350	37									
		3	Often	11	33	76	28	239	28	2,455	27									
		4	Very often	7	21	42	15	152	18	1,386	15									
		Total		33	100	276	100	844	100	8,991	100									
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	5	15	10	4	50	6	531	6	2.7	3.0	-.42	3.0	-.31	3.0	-.33		
		2	Often	6	18	38	14	134	16	1,313	15									
		3	Sometimes	17	50	162	59	462	55	5,033	56									
		4	Never	6	18	63	23	195	23	2,096	23									
		Total		34	100	273	100	841	100	8,973	100									
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	11	31	109	40	340	40	3,708	41	2.1	1.9	.27	1.9	.21	1.9	.26		
		2	Sometimes	15	43	106	39	306	36	3,370	38									
		3	Often	4	11	43	16	143	17	1,341	15									
		4	Very often	5	14	13	5	54	6	543	6									
		Total		35	100	271	100	843	100	8,962	100									
e. Asked another student to help you understand course material	CLaskhelp	1	Never	1	3	21	8	94	11	904	10	2.8	2.5 *	.40	2.5	.32	2.5	.28		
		2	Sometimes	14	40	128	47	357	42	3,721	41									
		3	Often	11	31	96	35	259	31	2,887	32									
		4	Very often	9	26	28	10	135	16	1,478	16									
		Total		35	100	273	100	845	100	8,990	100									
f. Explained course material to one or more students	CLexplain	1	Never	1	3	15	5	53	6	414	5	2.9	2.7	.26	2.7	.20	2.7	.20		
		2	Sometimes	9	26	100	37	305	36	3,375	38									
		3	Often	18	51	115	42	312	37	3,450	38									
		4	Very often	7	20	43	16	170	20	1,729	19									
		Total		35	100	273	100	840	100	8,968	100									

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

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First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Your first-year students compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	8	23	46	17	150	18	1,552	17	2.4	2.3	.03	2.4	-.04	2.4	-.08	
		2	Sometimes	11	31	118	43	326	39	3,384	38								
		3	Often	11	31	82	30	234	28	2,540	28								
		4	Very often	5	14	29	11	132	16	1,527	17								
		Total		35	100	275	100	842	100	9,003	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	1	3	27	10	73	9	828	9	2.7	2.5	.29	2.6	.18	2.6	.13	
		2	Sometimes	13	37	115	42	335	40	3,389	38								
		3	Often	15	43	101	37	304	36	3,085	34								
		4	Very often	6	17	32	12	133	16	1,686	19								
		Total		35	100	275	100	845	100	8,988	100								
i. Given a course presentation	present	1	Never	9	26	54	20	226	27	2,423	27	2.3	2.3	.04	2.1	.19	2.1	.18	
		2	Sometimes	12	34	118	43	370	44	3,843	43								
		3	Often	9	26	79	29	173	21	1,919	21								
		4	Very often	5	14	22	8	74	9	784	9								
		Total		35	100	273	100	843	100	8,969	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	1	3	21	8	67	8	679	8	2.8	2.6	.24	2.6	.16	2.6	.17	
		2	Sometimes	14	41	118	43	326	39	3,549	39								
		3	Often	11	32	98	36	308	36	3,273	36								
		4	Very often	8	24	39	14	144	17	1,496	17								
		Total		34	100	276	100	845	100	8,997	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	4	12	33	12	99	12	1,193	13	2.4	2.4	.03	2.5	-.06	2.5	-.03	
		2	Sometimes	17	52	128	47	357	43	3,739	42								
		3	Often	6	18	79	29	268	32	2,792	31								
		4	Very often	6	18	31	11	116	14	1,223	14								
		Total		33	100	271	100	840	100	8,947	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	3	9	38	14	114	14	1,529	17	2.4	2.4	.00	2.4	-.07	2.4	-.01	
		2	Sometimes	21	62	131	48	380	45	3,745	42								
		3	Often	5	15	70	26	231	27	2,571	29								
		4	Very often	5	15	32	12	117	14	1,119	12								
		Total		34	100	271	100	842	100	8,964	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	3	9	12	4	40	5	577	6	2.6	2.7	-.18	2.7	-.22	2.7	-.17	
		2	Sometimes	15	44	105	38	295	35	3,125	35								
		3	Often	10	29	108	40	346	41	3,668	41								
		4	Very often	6	18	48	18	158	19	1,591	18								
		Total		34	100	273	100	839	100	8,961	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	1	3	17	6	36	4	492	5	2.8	2.7	.04	2.9	-.13	2.8	-.05	
		2	Sometimes	16	47	90	33	241	29	2,775	31								
		3	Often	7	21	116	42	357	43	3,667	41								
		4	Very often	10	29	51	19	206	25	2,027	23								
		Total		34	100	274	100	840	100	8,961	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	2	6	12	4	33	4	399	4	2.8	2.7	.17	2.8	.04	2.8	.05	
		2	Sometimes	12	35	107	39	293	35	3,015	34								
		3	Often	10	29	111	41	331	39	3,647	41								
		4	Very often	10	29	44	16	181	22	1,894	21								
		Total		34	100	274	100	838	100	8,955	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	0	0	9	3	14	2	197	2	3.0	2.9	.06	3.1	-.10	3.0	-.08	
		2	Sometimes	12	35	71	26	193	23	2,031	23								
		3	Often	11	32	124	46	362	43	3,948	44								
		4	Very often	11	32	67	25	265	32	2,750	31								
		Total		34	100	271	100	834	100	8,926	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	2	6	60	22	281	33	2,908	32	2.6	2.1 ***	.60	2.0 ***	.69	2.0 ***	.69	
		2	Sometimes	16	46	139	50	351	42	3,813	43								
		3	Often	10	29	58	21	137	16	1,547	17								
		4	Very often	7	20	19	7	71	8	699	8								
		Total		35	100	276	100	840	100	8,967	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	10	29	127	46	482	58	5,104	57	2.2	1.8 **	.47	1.6 ***	.66	1.6 ***	.62	
		2	Sometimes	13	37	101	37	225	27	2,421	27								
		3	Often	8	23	34	12	90	11	972	11								
		4	Very often	4	11	14	5	35	4	449	5								
		Total		35	100	276	100	832	100	8,946	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	10	29	76	28	292	35	3,051	34	2.2	2.0	.18	1.9	.27	2.0	.22	
		2	Sometimes	13	37	133	48	362	43	3,688	41								
		3	Often	8	23	50	18	127	15	1,573	18								
		4	Very often	4	11	16	6	55	7	639	7								
		Total		35	100	275	100	836	100	8,951	100								
d. Discussed your academic performance with a faculty member	SFperform	1	Never	4	11	67	25	283	34	2,893	32	2.3	2.1	.35	2.0 *	.43	2.0 *	.40	
		2	Sometimes	19	54	142	52	355	43	3,835	43								
		3	Often	8	23	44	16	140	17	1,585	18								
		4	Very often	4	11	19	7	56	7	613	7								
		Total		35	100	272	100	834	100	8,926	100								
4. During the current school year, how much has your coursework emphasized the following?																			
a. Memorizing course material	memorize	1	Very little	0	0	14	5	39	5	453	5	3.0	2.8	.30	2.9	.14	2.8	.21	
		2	Some	9	26	93	34	227	27	2,642	29								
		3	Quite a bit	17	49	113	41	366	43	3,888	43								
		4	Very much	9	26	54	20	210	25	2,009	22								
		Total		35	100	274	100	842	100	8,992	100								
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	2	6	6	2	40	5	337	4	2.8	2.9	-.18	3.0	-.21	3.0	-.24	
		2	Some	9	26	70	26	185	22	2,027	23								
		3	Quite a bit	17	50	131	48	371	44	3,992	45								
		4	Very much	6	18	64	24	240	29	2,602	29								
		Total		34	100	271	100	836	100	8,958	100								
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	2	6	7	3	34	4	408	5	2.7	2.9	-.28	2.9	-.32	2.9	-.29	
		2	Some	12	34	74	27	208	25	2,275	25								
		3	Quite a bit	16	46	132	48	354	43	3,778	42								
		4	Very much	5	14	60	22	233	28	2,472	28								
		Total		35	100	273	100	829	100	8,933	100								
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	4	11	9	3	53	6	664	7	2.6	2.8	-.28	2.8	-.28	2.8	-.22	
		2	Some	12	34	87	32	243	29	2,698	30								
		3	Quite a bit	14	40	130	48	345	41	3,683	41								
		4	Very much	5	14	47	17	196	23	1,896	21								
		Total		35	100	273	100	837	100	8,941	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	3	9	9	3	42	5	548	6	2.6	2.8	-.25	2.9	-.27	2.8	-.24	
		2	Some	11	31	81	30	240	29	2,473	28								
		3	Quite a bit	17	49	130	48	342	41	3,772	42								
		4	Very much	4	11	50	19	207	25	2,129	24								
		Total		35	100	270	100	831	100	8,922	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	1	3	6	2	16	2	207	2	3.0	3.1	-.19	3.1	-.13	3.1	-.13	
		2	Some	6	17	46	17	154	18	1,633	18								
		3	Quite a bit	20	57	124	45	404	48	4,232	47								
		4	Very much	8	23	98	36	272	32	2,944	33								
		Total		35	100	274	100	846	100	9,016	100								
b. Taught course sessions in an organized way	ETorganize	1	Very little	2	6	2	1	18	2	238	3	3.1	3.1	.06	3.1	.12	3.1	.08	
		2	Some	3	9	57	21	183	22	1,658	18								
		3	Quite a bit	18	51	127	47	381	45	4,268	47								
		4	Very much	12	34	87	32	262	31	2,827	31								
		Total		35	100	273	100	844	100	8,991	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	3	8	3	20	2	281	3	3.0	3.0	-.03	3.0	-.05	3.1	-.09	
		2	Some	6	17	58	21	207	25	1,825	20								
		3	Quite a bit	20	57	126	46	333	40	3,784	42								
		4	Very much	8	23	81	30	281	33	3,078	34								
		Total		35	100	273	100	841	100	8,968	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	4	11	16	6	65	8	925	10	2.5	2.8 *	-0.38	2.8	-.28	2.7	-.24	
		2	Some	13	37	80	29	273	32	2,712	30								
		3	Quite a bit	14	40	106	39	293	35	3,060	34								
		4	Very much	4	11	71	26	212	25	2,282	25								
		Total		35	100	273	100	843	100	8,979	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	3	9	18	7	76	9	813	9	2.5	2.8 *	-0.36	2.7	-.24	2.7	-.25	
		2	Some	16	46	75	28	261	31	2,754	31								
		3	Quite a bit	11	31	109	41	318	38	3,286	37								
		4	Very much	5	14	65	24	184	22	2,085	23								
		Total		35	100	267	100	839	100	8,938	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Mean		Effect size ⁿ	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
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	3	9	25	9	85	10	1,175	13	2.8	2.7	.05	2.7	.10	2.6	.20	
		2	Sometimes	8	23	77	28	279	33	3,044	34								
		3	Often	18	51	121	44	304	36	3,148	35								
		4	Very often	6	17	52	19	179	21	1,653	18								
			Total	35	100	275	100	847	100	9,020	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	5	15	52	19	177	21	2,298	26	2.4	2.3	.10	2.3	.12	2.2	.23	
		2	Sometimes	13	38	107	39	331	39	3,451	38								
		3	Often	12	35	83	30	222	26	2,209	25								
		4	Very often	4	12	32	12	116	14	1,043	12								
			Total	34	100	274	100	846	100	9,001	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	2	6	45	17	165	20	1,991	22	2.4	2.4	-.01	2.3	.10	2.3	.13	
		2	Sometimes	22	63	110	40	368	44	3,673	41								
		3	Often	7	20	86	32	209	25	2,369	26								
		4	Very often	4	11	31	11	96	11	934	10								
			Total	35	100	272	100	838	100	8,967	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum	0	None	2	6	18	7	53	6	597	7	7.1	5.5	.31	6.2	.16	6.3	.12	
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	2	6	69	26	182	22	1,842	21								
		4	3-5	12	35	99	37	290	35	2,874	33								
		8	6-10	13	38	48	18	175	21	1,971	22								
		13	11-15	3	9	18	7	60	7	768	9								
		18	16-20	0	0	11	4	33	4	371	4								
		23	More than 20	2	6	7	3	40	5	408	5								
			Total	34	100	270	100	833	100	8,831	100								
b. Between 6 and 10 pages	wrmednum	0	None	6	18	114	45	313	39	3,124	37	3.6	1.4 *	.69	1.9	.58	2.0	.57	
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	16	47	105	41	316	40	3,405	40								
		4	3-5	7	21	28	11	119	15	1,377	16								
		8	6-10	3	9	4	2	38	5	479	6								
		13	11-15	0	0	0	0	7	1	88	1								
		18	16-20	0	0	1	0	4	1	32	0								
		23	More than 20	2	6	2	1	3	0	30	0								
			Total	34	100	254	100	800	100	8,535	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

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				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	24	73	212	84	626	81	6,231	75	1.1	.6	.18	.7	.16	.8	.12	
	<i>(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	1.5	1-2	7	21	27	11	108	14	1,475	18								
		4	3-5	1	3	8	3	18	2	293	4								
		8	6-10	0	0	2	1	9	1	142	2								
		13	11-15	0	0	0	0	3	0	61	1								
		18	16-20	0	0	0	0	3	0	30	0								
		23	More than 20	1	3	3	1	6	1	45	1								
		Total		33	100	252	100	773	100	8,277	100								
Estimated number of assigned pages of student writing.	wpages		<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>									66.4	35.7 * ▲	.46	41.3	.42	45.0	.37	
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	3	9	13	5	48	6	524	6	2.9	2.9	.00	3.0	-.17	3.1	-.21	
		2	Sometimes	9	26	100	37	225	27	2,186	24								
		3	Often	13	37	71	26	236	28	2,594	29								
		4	Very often	10	29	88	32	339	40	3,708	41								
			Total	35	100	272	100	848	100	9,012	100								
b. People from an economic background other than your own	DDeconomic	1	Never	4	11	12	4	49	6	541	6	2.9	3.0	-.11	3.0	-.15	3.0	-.15	
		2	Sometimes	7	20	78	29	215	25	2,213	25								
		3	Often	14	40	93	34	271	32	2,990	33								
		4	Very often	10	29	89	33	312	37	3,249	36								
			Total	35	100	272	100	847	100	8,993	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	2	6	17	6	73	9	707	8	2.9	3.0	-.12	3.0	-.10	3.0	-.11	
		2	Sometimes	12	34	67	25	206	24	2,273	25								
		3	Often	10	29	97	36	256	30	2,656	30								
		4	Very often	11	31	91	33	310	37	3,353	37								
			Total	35	100	272	100	845	100	8,989	100								
d. People with political views other than your own	DDpolitical	1	Never	2	6	22	8	72	9	758	8	3.1	2.9	.21	2.9	.24	2.9	.25	
		2	Sometimes	5	14	71	26	249	30	2,518	28								
		3	Often	15	43	88	32	234	28	2,737	31								
		4	Very often	13	37	91	33	288	34	2,936	33								
			Total	35	100	272	100	843	100	8,949	100								

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Item wording or description				Variable name ^l				Values ^m				Frequency Distributions				Statistical Comparisons ^k											
												UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
9. During the current school year, about how often have you done the following?																											
a. Identified key information from reading assignments				LSreading				1	Never		2	6	6	2	13	2	238	3	2.9	3.0	-.07	3.1	-.15	3.0	-.12		
								2	Sometimes		9	26	71	26	200	24	1,978	22									
								3	Often		12	35	114	42	355	42	3,966	44									
								4	Very often		11	32	83	30	275	33	2,815	31									
								Total		34	100	274	100	843	100	8,997	100										
b. Reviewed your notes after class				LSnotes				1	Never		3	9	19	7	38	5	646	7	2.6	2.7	-.20	2.8	-.28	2.7	-.19		
								2	Sometimes		15	44	99	37	315	38	3,242	36									
								3	Often		10	29	87	32	257	31	2,922	33									
								4	Very often		6	18	66	24	227	27	2,151	24									
								Total		34	100	271	100	837	100	8,961	100										
c. Summarized what you learned in class or from course materials				LSsummary				1	Never		5	15	21	8	64	8	785	9	2.5	2.7	-.25	2.7	-.24	2.7	-.21		
								2	Sometimes		13	38	85	32	297	36	3,085	35									
								3	Often		10	29	106	40	270	33	3,070	35									
								4	Very often		6	18	54	20	192	23	1,938	22									
								Total		34	100	266	100	823	100	8,878	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	3	4	1	2	0	77	1	5.0	5.3	-.20	5.4 *	-.34	5.4	-.30		
								2			2	6	3	1	12	1	140	2									
								3			1	3	13	5	33	4	390	4									
								4			5	14	30	11	103	12	1,070	12									
								5			12	34	107	39	283	33	2,889	32									
								6			10	29	75	27	254	30	2,722	30									
								7	Very much		4	11	41	15	161	19	1,709	19									
								Total		35	100	273	100	848	100	8,997	100										
11. Which of the following have you done or do you plan to do before you graduate?^o																											
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement				intern				Have not decided				3	9	33	12	94	11	1,102	12	9%	6%	.09	9%	-.02	8%	.02	
				(Means indicate the percentage who responded "Done or in progress.")				Do not plan to do				1	3	15	5	25	3	448	5								
								Plan to do				28	80	209	76	648	77	6,731	75								
								Done or in progress				3	9	17	6	76	9	730	8								
								Total				35	100	274	100	843	100	9,011	100								

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University of North Dakota

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			Frequency Distributions								Statistical Comparisons ^k							
			UND		Plains Public		Carnegie Class		NSSE 2015		Your first-year students compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	UND	Plains Public	Carnegie Class	NSSE 2015			
											Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	7	20	75	28	240	29	2,593	29	23%	10% *	.34	11% *	.31	10% **	.36
			Do not plan to do	5	14	81	30	239	28	2,776	31							
			Plan to do	15	43	88	32	268	32	2,733	30							
			Done or in progress	8	23	28	10	95	11	878	10							
			Total	35	100	272	100	842	100	8,980	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	5	14	105	38	258	31	2,964	33	23%	10% *	.35	16%	.18	12%	.28
			Do not plan to do	13	37	77	28	260	31	2,872	32							
			Plan to do	9	26	64	23	190	23	2,031	23							
			Done or in progress	8	23	28	10	133	16	1,107	12							
			Total	35	100	274	100	841	100	8,974	100							
d. Participate in a study abroad program	abroad		Have not decided	10	29	84	31	252	30	2,640	29	0%	2%	-.27	2%	-.29	3%	-.36
			Do not plan to do	14	40	108	40	283	34	3,042	34							
			Plan to do	11	31	74	27	285	34	3,006	34							
			Done or in progress	0	0	5	2	18	2	280	3							
			Total	35	100	271	100	838	100	8,968	100							
e. Work with a faculty member on a research project	research		Have not decided	10	29	112	41	356	42	3,688	41	11%	3% *	.35	5%	.26	5%	.24
			Do not plan to do	11	31	62	23	145	17	1,849	21							
			Plan to do	10	29	91	33	300	36	2,953	33							
			Done or in progress	4	11	8	3	39	5	447	5							
			Total	35	100	273	100	840	100	8,937	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	3	9	88	32	294	35	2,980	33	6%	2%	.21	3%	.14	3%	.16
			Do not plan to do	1	3	21	8	77	9	1,004	11							
			Plan to do	29	83	158	58	440	53	4,725	53							
			Done or in progress	2	6	5	2	24	3	232	3							
			Total	35	100	272	100	835	100	8,941	100							
12. About how many of your courses at this institution have included a community-based project (service-learning)?											1.7	1.6	.22	1.5	.30	1.5	.28	
servcourse	1	None	13	38	134	49	485	58	4,975	56								
	2	Some	18	53	124	45	296	35	3,310	37								
	3	Most	3	9	13	5	40	5	516	6								
	4	All	0	0	2	1	15	2	105	1								
		Total	34	100	273	100	836	100	8,906	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
Item wording or description	Variable name ^l	Values ^m	Response options	Your first-year students compared with															
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	0	0	4	1	17	2	160	2	5.5	5.5	.02	5.5	.04	5.5	.00	
		2		1	3	4	1	20	2	216	2								
		3		2	6	14	5	43	5	396	4								
		4		4	11	32	12	101	12	935	10								
		5		5	14	71	26	183	22	2,118	23								
		6		17	49	76	28	243	29	2,652	29								
		7	Excellent	6	17	72	26	224	26	2,474	27								
		—	Not applicable	0	0	1	0	17	2	76	1								
			Total	35	100	274	100	848	100	9,027	100								
b. Academic advisors	QIadvisor	1	Poor	1	3	10	4	36	4	384	4	5.4	5.3	.10	5.1	.17	5.2	.14	
		2		2	6	10	4	40	5	397	4								
		3		3	9	20	7	82	10	617	7								
		4		3	9	34	12	98	12	1,029	11								
		5		5	14	57	21	162	19	1,657	18								
		6		7	20	67	25	180	21	1,963	22								
		7	Excellent	13	37	73	27	220	26	2,235	25								
		—	Not applicable	1	3	2	1	32	4	712	8								
			Total	35	100	273	100	850	100	8,994	100								
c. Faculty	QIfaculty	1	Poor	0	0	5	2	11	1	228	3	5.4	5.4	.02	5.3	.07	5.3	.07	
		2		2	6	7	3	30	4	290	3								
		3		1	3	13	5	56	7	472	5								
		4		4	12	30	11	108	13	1,138	13								
		5		7	21	68	25	193	23	2,079	23								
		6		14	41	92	34	240	28	2,617	29								
		7	Excellent	6	18	54	20	188	22	1,962	22								
		—	Not applicable	0	0	0	0	17	2	178	2								
			Total	34	100	269	100	843	100	8,964	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Your first-year students compared with							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	2	6	9	3	33	4	406	5	4.9	5.1	-.13	5.0	-.05	5.0	-.08	
		2		1	3	17	6	47	6	369	4								
		3		3	9	16	6	54	6	577	6								
		4		5	14	35	13	120	14	1,124	13								
		5		6	17	53	19	154	18	1,704	19								
		6		11	31	66	24	167	20	1,839	20								
		7	Excellent	4	11	59	22	161	19	1,713	19								
		—	Not applicable	3	9	18	7	107	13	1,252	14								
	Total			35	100	273	100	843	100	8,984	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	2	6	11	4	28	3	421	5	4.8	5.2	-.24	5.0	-.13	5.0	-.10	
		2		2	6	9	3	47	6	430	5								
		3		2	6	18	7	59	7	638	7								
		4		5	15	41	15	121	14	1,240	14								
		5		6	18	47	17	168	20	1,778	20								
		6		9	26	74	27	176	21	1,956	22								
		7	Excellent	4	12	62	23	165	20	1,639	18								
		—	Not applicable	4	12	10	4	81	10	889	10								
	Total			34	100	272	100	845	100	8,991	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	4	11	3	1	18	2	190	2	3.0	3.1	-.07	3.2	-.18	3.1	-.16	
		2	Some	3	9	56	20	136	16	1,490	17								
		3	Quite a bit	16	46	131	48	375	45	4,052	45								
		4	Very much	12	34	84	31	311	37	3,205	36								
			Total			35	100	274	100	840	100								8,937
b. Providing support to help students succeed academically	SEacademic	1	Very little	2	6	6	2	34	4	350	4	2.9	3.0	-.05	3.0	-.11	3.0	-.11	
		2	Some	7	20	71	26	184	22	1,912	21								
		3	Quite a bit	17	49	117	43	337	40	3,703	42								
		4	Very much	9	26	78	29	282	34	2,936	33								
			Total			35	100	272	100	837	100								8,901
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	2	6	15	5	47	6	538	6	2.9	3.0	-.09	3.1	-.15	3.0	-.11	
		2	Some	7	20	51	19	153	18	1,779	20								
		3	Quite a bit	17	49	120	44	325	39	3,349	38								
		4	Very much	9	26	87	32	306	37	3,232	36								
			Total			35	100	273	100	831	100								8,898

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	4	11	39	14	127	15	1,307	15	2.5	2.6	-.05	2.6	-.03	2.6	-.08	
		2	Some	13	37	85	31	294	35	2,775	31								
		3	Quite a bit	13	37	99	36	228	27	2,805	31								
		4	Very much	5	14	50	18	187	22	2,028	23								
		Total		35	100	273	100	836	100	8,915	100								
e. Providing opportunities to be involved socially	SEsocial	1	Very little	3	9	17	6	69	8	647	7	2.8	2.9	-.07	2.9	-.11	2.9	-.10	
		2	Some	8	23	73	27	191	23	2,279	26								
		3	Quite a bit	17	49	114	42	329	39	3,403	38								
		4	Very much	7	20	70	26	246	29	2,582	29								
		Total		35	100	274	100	835	100	8,911	100								
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	4	11	15	6	64	8	719	8	2.7	2.9	-.21	2.9	-.22	2.9	-.21	
		2	Some	8	23	75	28	205	25	2,245	25								
		3	Quite a bit	18	51	111	41	325	39	3,364	38								
		4	Very much	5	14	70	26	240	29	2,569	29								
		Total		35	100	271	100	834	100	8,897	100								
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	6	17	54	20	213	26	2,138	24	2.5	2.3	.26	2.3	.23	2.3	.24	
		2	Some	10	29	112	41	288	34	3,272	37								
		3	Quite a bit	14	40	82	30	219	26	2,331	26								
		4	Very much	5	14	25	9	115	14	1,146	13								
		Total		35	100	273	100	835	100	8,887	100								
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	3	9	21	8	69	8	866	10	2.8	2.8	-.09	2.8	-.07	2.8	-.03	
		2	Some	9	26	64	23	237	28	2,388	27								
		3	Quite a bit	15	44	125	46	297	36	3,404	38								
		4	Very much	7	21	64	23	232	28	2,237	25								
		Total		34	100	274	100	835	100	8,895	100								
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	11	32	36	13	141	17	1,468	17	2.1	2.5 *	-.37	2.5 *	-.35	2.5 *	-.35	
		2	Some	11	32	105	39	294	35	3,127	35								
		3	Quite a bit	8	24	95	35	245	29	2,727	31								
		4	Very much	4	12	35	13	151	18	1,535	17								
		Total		34	100	271	100	831	100	8,857	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Mean		Mean		Mean	
														Effect size ⁿ		Effect size ⁿ		Effect size ⁿ	
														Effect size ⁿ		Effect size ⁿ		Effect size ⁿ	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
15. About how many hours do you spend in a typical 7-day week doing the following?																			
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)																			
	tmprephrs	0	0 hrs	0	0	0	0	5	1	51	1	11.6	12.4	-.11	14.4 **	-0.33	14.5 **	-0.33	
	(studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	3	1-5 hrs	6	17	42	15	111	13	1,343	15								
	(Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	8	23	82	30	212	25	2,082	23								
		13	11-15 hrs	12	34	76	28	186	22	1,890	21								
		18	16-20 hrs	8	23	40	15	140	17	1,510	17								
		23	21-25 hrs	1	3	19	7	82	10	946	11								
		28	26-30 hrs	0	0	7	3	58	7	544	6								
		33	More than 30 hrs	0	0	8	3	50	6	622	7								
			Total	35	100	274	100	844	100	8,988	100								
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)																			
	tmcocurrhrs	0	0 hrs	7	20	91	33	349	42	3,539	40	5.5	4.6	.15	4.4	.18	4.5	.17	
	(organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	3	1-5 hrs	17	49	103	38	264	32	2,947	33								
	(Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	6	17	42	15	111	13	1,235	14								
		13	11-15 hrs	2	6	20	7	55	7	626	7								
		18	16-20 hrs	2	6	7	3	30	4	308	3								
		23	21-25 hrs	0	0	6	2	10	1	144	2								
		28	26-30 hrs	0	0	1	0	7	1	53	1								
		33	More than 30 hrs	1	3	2	1	10	1	83	1								
			Total	35	100	272	100	836	100	8,935	100								
c. Working for pay on campus																			
	tmworkonhrs	0	0 hrs	24	69	205	75	653	78	7,130	79	3.7	2.9	.13	2.8	.13	2.3	.23	
	(studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	3	1-5 hrs	1	3	11	4	37	4	397	4								
	(Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	4	11	23	8	43	5	588	7								
		13	11-15 hrs	5	14	18	7	40	5	410	5								
		18	16-20 hrs	0	0	10	4	50	6	276	3								
		23	21-25 hrs	0	0	4	1	11	1	78	1								
		28	26-30 hrs	1	3	0	0	4	0	22	0								
		33	More than 30 hrs	0	0	2	1	4	0	75	1								
			Total	35	100	273	100	842	100	8,976	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

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				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	27	77	194	72	629	76	6,579	74	3.5	4.9	-.14	3.9	-.04	4.3	-.08	
		(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	0	0	12	4	28	3	381								4
			8	6-10 hrs	2	6	7	3	48	6	397								4
			13	11-15 hrs	2	6	21	8	29	3	421								5
			18	16-20 hrs	3	9	7	3	37	4	428								5
			23	21-25 hrs	0	0	7	3	23	3	253								3
			28	26-30 hrs	1	3	7	3	14	2	131								1
			33	More than 30 hrs	0	0	14	5	24	3	339								4
				Total	35	100	269	100	832	100	8,929								100
	Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)															
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	23	68	171	64	556	68	6,008	68	2.0	1.7	.08	2.0	.01	1.9	.02	
		(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	7	21	84	31	187	23	2,057								23
			8	6-10 hrs	2	6	7	3	37	4	357								4
			13	11-15 hrs	1	3	2	1	19	2	202								2
			18	16-20 hrs	1	3	1	0	15	2	126								1
			23	21-25 hrs	0	0	2	1	4	0	58								1
			28	26-30 hrs	0	0	1	0	1	0	16								0
			33	More than 30 hrs	0	0	1	0	4	0	36								0
			Total	34	100	269	100	823	100	8,860	100								
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	1	0	19	2	158	2	17.3	14.5	.29	13.6 *	.39	14.0 *	.35	
		(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1	3	49	18	155	19	1,549								17
			8	6-10 hrs	9	26	65	24	196	24	2,149								24
			13	11-15 hrs	8	24	52	19	167	20	1,739								20
			18	16-20 hrs	4	12	38	14	121	15	1,315								15
			23	21-25 hrs	5	15	25	9	64	8	738								8
			28	26-30 hrs	2	6	8	3	28	3	360								4
		33	More than 30 hrs	5	15	34	13	82	10	907	10								
			Total	34	100	272	100	832	100	8,915	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

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				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																			
	reading	1	Very little	9	26	47	17	128	15	1,390	16	2.4	2.5	-.11	2.6	-.14	2.6	-.17	
	(Revised for 2014.	2	Some	12	35	99	36	304	36	3,181	36								
	Comparison data	3	About half	7	21	73	27	249	30	2,448	27								
	are limited to	4	Most	2	6	46	17	114	14	1,396	16								
	NSSE 2014	5	Almost all	4	12	9	3	41	5	514	6								
	participating		Total	34	100	274	100	836	100	8,929	100								
	institutions.)																		
	tmreadinghrs											4.4	5.3	-.17	5.9	-.28	6.1	-.30	
	(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)																		

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

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				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
	tmreadinghrscol	1	0 hrs	0	0	0	0	5	1	48	1								
	(Collapsed version of tmreadinghrs created by NSSE.)	2	More than zero, up to 5 hrs	25	74	175	64	473	57	4,940	56								
		3	More than 5, up to 10 hrs	5	15	64	24	214	26	2,389	27								
		4	More than 10, up to 15 hrs	3	9	19	7	72	9	721	8								
		5	More than 15, up to 20 hrs	0	0	6	2	38	5	416	5								
		6	More than 20, up to 25 hrs	1	3	6	2	22	3	266	3								
		7	More than 25 hrs	0	0	2	1	6	1	102	1								
			Total	34	100	272	100	830	100	8,882	100								
17. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?																			
a. Writing clearly and effectively	pgwrite	1	Very little	5	14	23	8	95	11	1,108	12	2.6	2.7	-.18	2.7	-.13	2.7	-.10	
		2	Some	10	29	85	31	257	30	2,647	29								
		3	Quite a bit	15	43	113	41	309	37	3,377	37								
		4	Very much	5	14	56	20	185	22	1,878	21								
			Total	35	100	277	100	846	100	9,010	100								
b. Speaking clearly and effectively	pgspeak	1	Very little	7	20	25	9	138	16	1,562	17	2.5	2.7	-.21	2.5	.01	2.5	.02	
		2	Some	8	23	91	33	294	35	2,940	33								
		3	Quite a bit	15	43	99	36	261	31	2,927	33								
		4	Very much	5	14	61	22	152	18	1,546	17								
			Total	35	100	276	100	845	100	8,975	100								
c. Thinking critically and analytically	pgthink	1	Very little	3	9	8	3	41	5	471	5	2.9	3.0	-.23	3.0	-.14	3.0	-.16	
		2	Some	9	26	60	22	192	23	1,928	21								
		3	Quite a bit	13	37	119	43	357	42	3,747	42								
		4	Very much	10	29	89	32	256	30	2,846	32								
			Total	35	100	276	100	846	100	8,992	100								
d. Analyzing numerical and statistical information	pganalyze	1	Very little	8	23	26	9	107	13	1,324	15	2.5	2.7	-.18	2.7	-.13	2.6	-.09	
		2	Some	6	17	93	34	250	30	2,629	29								
		3	Quite a bit	15	43	91	33	298	35	3,059	34								
		4	Very much	6	17	65	24	186	22	1,943	22								
			Total	35	100	275	100	841	100	8,955	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	5	14	35	13	127	15	1,319	15	2.7	2.6	.06	2.6	.11	2.6	.08	
		2	Some	10	29	93	34	270	32	2,801	31								
		3	Quite a bit	11	31	90	32	277	33	2,937	33								
		4	Very much	9	26	59	21	168	20	1,927	21								
		Total		35	100	277	100	842	100	8,984	100								
f. Working effectively with others	pgothers	1	Very little	2	6	22	8	94	11	989	11	2.7	2.8	-.07	2.7	.07	2.7	.02	
		2	Some	13	37	82	30	274	33	2,702	30								
		3	Quite a bit	13	37	103	38	306	36	3,279	37								
		4	Very much	7	20	66	24	168	20	1,992	22								
		Total		35	100	273	100	842	100	8,962	100								
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	8	24	48	17	158	19	1,717	19	2.3	2.5	-.23	2.5	-.20	2.5	-.18	
		2	Some	12	35	83	30	261	31	2,780	31								
		3	Quite a bit	9	26	92	33	248	29	2,718	30								
		4	Very much	5	15	54	19	177	21	1,766	20								
		Total		34	100	277	100	844	100	8,981	100								
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	11	31	32	12	112	13	1,547	17	2.2	2.6 *	-.45	2.6 *	-.40	2.5 *	-.34	
		2	Some	9	26	93	34	300	36	2,868	32								
		3	Quite a bit	12	34	99	36	263	31	2,750	31								
		4	Very much	3	9	52	19	169	20	1,814	20								
		Total		35	100	276	100	844	100	8,979	100								
i. Solving complex real-world problems	pgprobsolve	1	Very little	6	18	31	11	122	14	1,379	15	2.6	2.6	.01	2.6	.06	2.5	.08	
		2	Some	6	18	97	35	286	34	3,018	34								
		3	Quite a bit	17	50	98	35	282	33	2,939	33								
		4	Very much	5	15	51	18	155	18	1,651	18								
		Total		34	100	277	100	845	100	8,987	100								
j. Being an informed and active citizen	pgcitizen	1	Very little	8	23	42	15	142	17	1,744	20	2.4	2.5	-.12	2.5	-.07	2.4	-.02	
		2	Some	9	26	95	35	308	37	3,144	35								
		3	Quite a bit	14	40	90	33	246	29	2,621	29								
		4	Very much	4	11	47	17	146	17	1,430	16								
		Total		35	100	274	100	842	100	8,939	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

First-Year Students^a in Aviat, CSci, AtSc

Item wording or description	Variable name ^l	Values ^m	Response options	Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	1	3	2	1	25	3	221	2	3.2	3.2	.02	3.1	.11	3.1	.11	
		2	Fair	3	9	31	11	111	13	1,270	14								
		3	Good	18	51	149	54	430	51	4,528	50								
		4	Excellent	13	37	94	34	284	33	3,011	33								
		Total		35	100	276	100	850	100	9,030	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	1	3	6	2	31	4	316	3	3.4	3.2	.19	3.2	.19	3.2	.16	
		2	Probably no	2	6	35	13	99	12	1,043	12								
		3	Probably yes	15	44	130	47	386	45	3,941	44								
		4	Definitely yes	16	47	105	38	333	39	3,734	41								
		Total		34	100	276	100	849	100	9,034	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
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	1	3	9	2	44	4	424	4	2.8	3.0	-.22	2.9	-.10	3.0	-.14	
		2	Sometimes	10	31	109	27	362	32	3,049	30								
		3	Often	14	44	144	36	344	31	3,225	31								
		4	Very often	7	22	138	35	375	33	3,627	35								
		Total		32	100	400	100	1,125	100	10,325	100								
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	9	28	95	24	310	28	2,647	26	2.1	2.3	-.20	2.2	-.17	2.3	-.22	
		2	Sometimes	15	47	158	40	402	36	3,654	36								
		3	Often	5	16	94	24	236	21	2,347	23								
		4	Very often	3	9	52	13	168	15	1,626	16								
		Total		32	100	399	100	1,116	100	10,274	100								
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	2	6	24	6	87	8	748	7	2.9	3.0	-.14	2.9	-.01	2.9	-.07	
		2	Often	8	25	65	16	185	17	1,599	16								
		3	Sometimes	14	44	199	50	611	55	5,540	54								
		4	Never	8	25	111	28	232	21	2,383	23								
		Total		32	100	399	100	1,115	100	10,270	100								
d. Attended an art exhibit, play or other arts performance (dance, music, etc.)	attendart	1	Never	15	47	185	47	558	50	4,892	48	1.6	1.7	-.13	1.7	-.09	1.7	-.14	
		2	Sometimes	15	47	153	39	387	35	3,616	35								
		3	Often	1	3	40	10	112	10	1,166	11								
		4	Very often	1	3	19	5	55	5	571	6								
		Total		32	100	397	100	1,112	100	10,245	100								
e. Asked another student to help you understand course material	CLaskhelp	1	Never	2	6	62	16	156	14	1,452	14	2.4	2.3	.11	2.4	.03	2.4	.04	
		2	Sometimes	18	56	181	46	504	45	4,710	46								
		3	Often	8	25	109	27	305	27	2,684	26								
		4	Very often	4	13	45	11	154	14	1,442	14								
		Total		32	100	397	100	1,119	100	10,288	100								
f. Explained course material to one or more students	CLexplain	1	Never	0	0	31	8	59	5	548	5	2.8	2.8	-.01	2.8	-.02	2.8	-.01	
		2	Sometimes	15	47	125	31	405	36	3,695	36								
		3	Often	10	31	152	38	395	35	3,707	36								
		4	Very often	7	22	91	23	261	23	2,320	23								
		Total		32	100	399	100	1,120	100	10,270	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	6	19	92	23	263	23	2,158	21	2.1	2.3	-.21	2.3	-.21	2.4	-.26	
		2	Sometimes	17	53	148	37	417	37	3,781	37								
		3	Often	8	25	95	24	239	21	2,538	25								
		4	Very often	1	3	64	16	203	18	1,812	18								
		Total		32	100	399	100	1,122	100	10,289	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	0	0	36	9	89	8	680	7	2.9	2.8	.11	2.8	.10	2.9	.03	
		2	Sometimes	10	31	114	29	348	31	2,995	29								
		3	Often	15	47	140	35	370	33	3,496	34								
		4	Very often	7	22	107	27	312	28	3,118	30								
		Total		32	100	397	100	1,119	100	10,289	100								
i. Given a course presentation	present	1	Never	2	6	57	14	175	16	1,534	15	2.7	2.5	.23	2.4	.27	2.5	.16	
		2	Sometimes	14	44	160	40	461	41	3,724	36								
		3	Often	8	25	119	30	304	27	3,003	29								
		4	Very often	8	25	63	16	179	16	2,003	20								
		Total		32	100	399	100	1,119	100	10,264	100								
2. During the current school year, about how often have you done the following?																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	0	0	21	5	63	6	460	4	2.9	2.8	.08	2.9	.03	2.9	.00	
		2	Sometimes	13	39	130	32	339	30	3,081	30								
		3	Often	11	33	155	39	416	37	3,957	38								
		4	Very often	9	27	95	24	300	27	2,786	27								
		Total		33	100	401	100	1,118	100	10,284	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	4	13	61	15	184	17	1,469	14	2.3	2.4	-.05	2.4	-.13	2.5	-.19	
		2	Sometimes	19	59	185	47	444	40	4,021	39								
		3	Often	4	13	101	25	296	27	3,005	29								
		4	Very often	5	16	50	13	188	17	1,750	17								
		Total		32	100	397	100	1,112	100	10,245	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	3	9	105	26	306	27	2,432	24	2.2	2.1	.13	2.2	.04	2.3	-.01	
		2	Sometimes	21	64	186	47	437	39	4,153	41								
		3	Often	7	21	64	16	209	19	2,292	22								
		4	Very often	2	6	45	11	162	15	1,370	13								
		Total		33	100	400	100	1,114	100	10,247	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												Mean		Effect size ⁿ		Effect size ⁿ			
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	2	6	43	11	106	10	845	8	2.5	2.6	-.04	2.6	-.12	2.7	-.15	
		2	Sometimes	14	42	145	36	391	35	3,531	34								
		3	Often	14	42	149	37	407	37	3,967	39								
		4	Very often	3	9	63	16	211	19	1,909	19								
		Total		33	100	400	100	1,115	100	10,252	100								
e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	RIperspect	1	Never	4	12	34	9	95	9	683	7	2.5	2.7	-.14	2.8	-.23	2.8	-.28	
		2	Sometimes	12	36	135	34	347	31	3,162	31								
		3	Often	12	36	163	41	407	37	4,053	40								
		4	Very often	5	15	68	17	263	24	2,335	23								
		Total		33	100	400	100	1,112	100	10,233	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	1	3	23	6	60	5	409	4	2.6	2.7	-.13	2.8	-.25	2.8	-.25	
		2	Sometimes	16	48	135	34	349	31	3,403	33								
		3	Often	11	33	173	43	437	39	4,155	41								
		4	Very often	5	15	67	17	269	24	2,259	22								
		Total		33	100	398	100	1,115	100	10,226	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	1	3	13	3	31	3	239	2	2.9	3.0	-.13	3.1	-.15	3.1	-.19	
		2	Sometimes	10	30	88	22	256	23	2,148	21								
		3	Often	12	36	165	41	440	39	4,282	42								
		4	Very often	10	30	132	33	388	35	3,546	35								
		Total		33	100	398	100	1,115	100	10,215	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	7	21	88	22	318	29	2,557	25	2.5	2.3	.18	2.2	.32	2.2	.26	
		2	Sometimes	11	33	160	40	428	39	4,145	40								
		3	Often	7	21	89	22	220	20	2,127	21								
		4	Very often	8	24	61	15	141	13	1,418	14								
		Total		33	100	398	100	1,107	100	10,247	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	9	27	176	44	567	51	5,160	50	2.2	1.9	.28	1.8 *	.40	1.8 *	.39	
		2	Sometimes	13	39	118	30	293	26	2,701	26								
		3	Often	6	18	61	15	137	12	1,343	13								
		4	Very often	5	15	43	11	110	10	1,017	10								
		Total		33	100	398	100	1,107	100	10,221	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k								
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015		
				Count		Count		Count		Count		Mean		Mean		Mean		Mean		
				%		%		%		%		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ		Effect size ⁿ		
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	6	18	100	25	341	31	2,955	29	2.4	2.3	.14	2.1	.33	2.1	.28		
		2	Sometimes	16	48	148	37	454	41	4,113	40									
		3	Often	3	9	101	25	192	17	2,015	20									
		4	Very often	8	24	50	13	118	11	1,134	11									
		Total		33	100	399	100	1,105	100	10,217	100									
d. Discussed your academic performance with a faculty member	SFperform	1	Never	8	25	98	25	351	32	3,110	30	2.0	2.1	-.13	2.0	.03	2.0	-.01		
		2	Sometimes	18	56	176	44	487	44	4,417	43									
		3	Often	3	9	92	23	164	15	1,804	18									
		4	Very often	3	9	31	8	98	9	875	9									
		Total		32	100	397	100	1,100	100	10,206	100									
4. During the current school year, how much has your coursework emphasized the following?																				
a. Memorizing course material	memorize	1	Very little	0	0	33	8	106	9	1,037	10	3.2	2.7 ***	.54	2.7 ***	.55	2.6 ***	.57		
		2	Some	5	15	140	35	408	36	3,604	35									
		3	Quite a bit	18	55	147	37	375	34	3,633	35									
		4	Very much	10	30	79	20	230	21	1,980	19									
		Total		33	100	399	100	1,119	100	10,254	100									
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	0	0	18	5	47	4	402	4	3.1	3.0	.19	3.0	.11	3.0	.10		
		2	Some	4	12	92	23	220	20	2,065	20									
		3	Quite a bit	21	64	174	44	500	45	4,454	44									
		4	Very much	8	24	114	29	348	31	3,293	32									
		Total		33	100	398	100	1,115	100	10,214	100									
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	1	3	21	5	65	6	537	5	2.8	2.9	-.11	3.0	-.15	3.0	-.18		
		2	Some	10	30	105	26	276	25	2,383	23									
		3	Quite a bit	16	48	158	40	419	38	4,108	40									
		4	Very much	6	18	114	29	355	32	3,165	31									
		Total		33	100	398	100	1,115	100	10,193	100									
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	1	3	38	10	155	14	1,108	11	2.5	2.6	-.08	2.6	-.07	2.7	-.16		
		2	Some	17	52	144	36	355	32	3,129	31									
		3	Quite a bit	11	33	148	37	383	34	3,763	37									
		4	Very much	4	12	68	17	226	20	2,216	22									
		Total		33	100	398	100	1,119	100	10,216	100									

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	2	6	25	6	93	8	720	7	2.7	2.8	-.10	2.8	-.05	2.8	-.12	
		2	Some	11	33	115	29	335	30	2,822	28								
		3	Quite a bit	14	42	164	41	418	38	4,140	41								
		4	Very much	6	18	92	23	266	24	2,529	25								
		Total	33	100	396	100	1,112	100	10,211	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	0	0	15	4	41	4	335	3	3.0	3.1	-.04	3.0	-.01	3.1	-.06	
		2	Some	7	21	67	17	209	19	1,922	19								
		3	Quite a bit	18	55	197	49	531	47	4,669	45								
		4	Very much	8	24	121	30	337	30	3,371	33								
		Total	33	100	400	100	1,118	100	10,297	100									
b. Taught course sessions in an organized way	ETorganize	1	Very little	0	0	14	4	47	4	383	4	2.9	3.0	-.06	3.0	-.07	3.0	-.10	
		2	Some	11	33	90	23	214	19	2,105	21								
		3	Quite a bit	13	39	182	46	552	49	4,655	45								
		4	Very much	9	27	114	29	304	27	3,121	30								
		Total	33	100	400	100	1,117	100	10,264	100									
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	1	3	16	4	43	4	433	4	3.2	3.0	.17	3.0	.20	3.0	.16	
		2	Some	3	9	73	18	240	22	2,114	21								
		3	Quite a bit	18	55	190	47	478	43	4,213	41								
		4	Very much	11	33	122	30	348	31	3,490	34								
		Total	33	100	401	100	1,109	100	10,250	100									
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	1	3	64	16	205	18	1,677	16	2.7	2.6	.16	2.5	.23	2.6	.15	
		2	Some	13	39	114	29	379	34	3,239	32								
		3	Quite a bit	13	39	151	38	308	28	3,134	31								
		4	Very much	6	18	71	18	223	20	2,206	22								
		Total	33	100	400	100	1,115	100	10,256	100									
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	3	9	30	8	107	10	1,011	10	2.8	2.8	.03	2.7	.12	2.7	.08	
		2	Some	9	27	112	28	373	34	3,227	32								
		3	Quite a bit	13	39	177	44	401	36	3,687	36								
		4	Very much	8	24	79	20	232	21	2,307	23								
		Total	33	100	398	100	1,113	100	10,232	100									

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
												<i>Your seniors compared with</i>							
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
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	5	15	39	10	152	14	1,389	13	2.5	2.8	-.22	2.6	-.08	2.6	-.07	
		2	Sometimes	11	33	121	30	360	32	3,384	33								
		3	Often	11	33	140	35	367	33	3,392	33								
		4	Very often	6	18	100	25	242	22	2,130	21								
			Total	33	100	400	100	1,121	100	10,295	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	5	15	95	24	331	30	2,682	26	2.5	2.3	.23	2.2	.31	2.2	.30	
		2	Sometimes	11	33	144	36	381	34	3,829	37								
		3	Often	11	33	100	25	235	21	2,341	23								
		4	Very often	6	18	61	15	172	15	1,438	14								
			Total	33	100	400	100	1,119	100	10,290	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	2	6	74	19	269	24	2,283	22	2.5	2.4	.14	2.3	.18	2.3	.21	
		2	Sometimes	18	55	169	42	395	35	4,064	40								
		3	Often	8	24	100	25	292	26	2,587	25								
		4	Very often	5	15	57	14	160	14	1,333	13								
			Total	33	100	400	100	1,116	100	10,267	100								
7. During the current school year, about how many papers, reports, or other writing tasks of the following length have you been assigned? (Include those not yet completed.)																			
a. Up to 5 pages	wrshortnum	0	None	1	3	62	16	136	13	1,057	11	4.8	5.3	-.09	5.3	-.10	6.1	-.22	
	(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	14	44	119	30	308	28	2,482	25								
		4	3-5	10	31	89	23	310	29	2,823	28								
		8	6-10	2	6	64	16	167	15	1,750	18								
		13	11-15	3	9	27	7	84	8	856	9								
		18	16-20	2	6	7	2	35	3	434	4								
		23	More than 20	0	0	24	6	45	4	571	6								
			Total	32	100	392	100	1,085	100	9,973	100								
b. Between 6 and 10 pages	wrmednum	0	None	7	22	171	45	445	42	3,212	33	2.6	1.8	.27	2.0	.21	2.6	.01	
	(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	17	53	133	35	367	34	3,529	36								
		4	3-5	4	13	53	14	169	16	1,868	19								
		8	6-10	2	6	8	2	63	6	775	8								
		13	11-15	2	6	9	2	11	1	227	2								
		18	16-20	0	0	3	1	6	1	90	1								
		23	More than 20	0	0	1	0	5	0	76	1								
			Total	32	100	378	100	1,066	100	9,777	100								

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Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		<i>Your seniors compared with</i>					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Effect size ⁿ	Effect size ⁿ		Effect size ⁿ	Effect size ⁿ	
c. 11 pages or more	wrlongnum	0	None	22	69	244	65	674	64	5,246	55	1.0	1.0	.00	1.1	-.01	1.6	-.16	
	<i>(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	1.5	1-2	6	19	87	23	277	26	2,954	31								
		4	3-5	2	6	32	9	62	6	856	9								
		8	6-10	2	6	9	2	20	2	274	3								
		13	11-15	0	0	1	0	8	1	126	1								
		18	16-20	0	0	1	0	2	0	61	1								
		23	More than 20	0	0	1	0	6	1	99	1								
		Total			32	100	375	100	1,049	100	9,616	100							
Estimated number of assigned pages of student writing.	wpages											52.1	45.4	.11	45.0	.12	59.9	-.10	
				<i>(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>															
8. During the current school year, about how often have you had discussions with people from the following groups?																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	3	9	43	11	69	6	705	7	2.5	2.7	-.29	3.0 **	-57	3.0 ***	-.58	
		2	Sometimes	16	48	132	33	305	27	2,604	25								
		3	Often	10	30	106	27	309	28	2,804	27								
		4	Very often	4	12	116	29	435	39	4,182	41								
			Total	33	100	397	100	1,118	100	10,295	100								
b. People from an economic background other than your own	DDeconomic	1	Never	1	3	39	10	85	8	709	7	2.8	2.8	-.05	2.9	-.20	3.0	-.22	
		2	Sometimes	12	36	115	29	284	25	2,613	25								
		3	Often	14	42	127	32	357	32	3,281	32								
		4	Very often	6	18	115	29	390	35	3,661	36								
	Total	33	100	396	100	1,116	100	10,264	100										
c. People with religious beliefs other than your own	DDreligion	1	Never	2	6	44	11	125	11	894	9	2.8	2.8	-.02	2.8	-.08	2.9	-.15	
		2	Sometimes	11	33	122	31	312	28	2,829	28								
		3	Often	13	39	108	27	291	26	2,891	28								
		4	Very often	7	21	122	31	386	35	3,635	35								
	Total	33	100	396	100	1,114	100	10,249	100										
d. People with political views other than your own	DDpolitical	1	Never	1	3	43	11	110	10	846	8	2.8	2.8	-.01	2.8	-.06	2.9	-.10	
		2	Sometimes	12	36	110	28	322	29	2,901	28								
		3	Often	13	39	123	31	311	28	3,104	30								
		4	Very often	7	21	117	30	370	33	3,365	33								
	Total	33	100	393	100	1,113	100	10,216	100										

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
9. During the current school year, about how often have you done the following?																			
a. Identified key information from reading assignments	LSreading	1	Never	0	0	14	4	61	5	430	4	3.0	3.0	.03	3.0	.06	3.0	-.01	
		2	Sometimes	7	21	90	23	271	24	2,204	21								
		3	Often	18	55	174	44	420	38	4,170	41								
		4	Very often	8	24	121	30	367	33	3,489	34								
		Total		33	100	399	100	1,119	100	10,293	100								
b. Reviewed your notes after class	LSnotes	1	Never	0	0	41	10	126	11	1,119	11	2.8	2.6	.13	2.7	.11	2.7	.08	
		2	Sometimes	16	48	150	38	389	35	3,548	35								
		3	Often	9	27	120	30	346	31	3,091	30								
		4	Very often	8	24	87	22	255	23	2,498	24								
		Total		33	100	398	100	1,116	100	10,256	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	1	3	38	10	138	12	1,103	11	2.9	2.7	.22	2.6	.27	2.7	.19	
		2	Sometimes	8	25	135	34	408	37	3,327	33								
		3	Often	17	53	139	35	307	28	3,296	32								
		4	Very often	6	19	82	21	253	23	2,422	24								
		Total		32	100	394	100	1,106	100	10,148	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	0	0	6	2	19	2	130	1	5.2	5.4	-.15	5.4	-.16	5.4	-.19	
		2		0	0	13	3	31	3	253	2								
		3		0	0	15	4	55	5	477	5								
		4		7	21	40	10	128	11	1,076	10								
		5		15	45	123	31	299	27	2,975	29								
		6		9	27	116	29	325	29	2,988	29								
		7	Very much	2	6	83	21	263	23	2,385	23								
		Total		33	100	396	100	1,120	100	10,284	100								
11. Which of the following have you done or do you plan to do before you graduate?^o																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided		2	6	26	6	89	8	775	8	41%	50%	-.18	51%	-.21	51%	-.20	
		Do not plan to do		10	31	64	16	152	14	1,939	19								
		Plan to do		7	22	112	28	306	27	2,384	23								
		Done or in progress		13	41	199	50	573	51	5,210	51								
		Total		32	100	401	100	1,120	100	10,308	100								

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University of North Dakota

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			Frequency Distributions								Statistical Comparisons ^k							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
b. Hold a formal leadership role in a student organization or group	leader		Have not decided	4	12	34	9	111	10	1,004	10	48%	34%	.30	29% *	.41	32% *	.35
			Do not plan to do	11	33	198	50	624	56	5,355	52							
			Plan to do	2	6	32	8	65	6	685	7							
			Done or in progress	16	48	136	34	320	29	3,246	32							
			Total	33	100	400	100	1,120	100	10,290	100							
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom		Have not decided	1	3	46	12	138	12	1,263	12	24%	19%	.12	17%	.19	18%	.15
			Do not plan to do	22	67	243	61	708	63	6,333	62							
			Plan to do	2	6	33	8	86	8	807	8							
			Done or in progress	8	24	77	19	187	17	1,867	18							
			Total	33	100	399	100	1,119	100	10,270	100							
d. Participate in a study abroad program	abroad		Have not decided	1	3	47	12	112	10	1,163	11	9%	7%	.08	9%	.01	10%	-.02
			Do not plan to do	26	79	298	75	843	75	7,451	73							
			Plan to do	3	9	24	6	64	6	672	7							
			Done or in progress	3	9	27	7	98	9	982	10							
			Total	33	100	396	100	1,117	100	10,268	100							
e. Work with a faculty member on a research project	research		Have not decided	2	6	75	19	195	18	1,711	17	15%	18%	-.06	21%	-.16	22%	-.17
			Do not plan to do	21	64	205	51	514	46	4,982	49							
			Plan to do	5	15	50	13	166	15	1,320	13							
			Done or in progress	5	15	70	18	238	21	2,226	22							
			Total	33	100	400	100	1,113	100	10,239	100							
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone		Have not decided	0	0	47	12	104	9	1,056	10	61%	43%	.35	38% **	.45	44% *	.34
			Do not plan to do	0	0	89	22	275	25	2,453	24							
			Plan to do	13	39	91	23	313	28	2,281	22							
			Done or in progress	20	61	173	43	427	38	4,476	44							
			Total	33	100	400	100	1,119	100	10,266	100							

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

servcourse	Values	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size	Mean	Effect size
		1 None	15	48	198	50	641	58	5,514	54	1.6	1.6	.05	1.5	.22
		2 Some	14	45	173	44	420	38	4,075	40					
		3 Most	1	3	21	5	45	4	560	5					
		4 All	1	3	5	1	8	1	93	1					
		Total	31	100	397	100	1,114	100	10,242	100					

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University of North Dakota

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				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
Item wording or description	Variable name ^l	Values ^m	Response options									Your seniors compared with							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
13. Indicate the quality of your interactions with the following people at your institution.																			
a. Students	QIstudent	1	Poor	0	0	10	3	19	2	155	2	5.6	5.5	.09	5.4	.14	5.6	.03	
		2		2	6	7	2	31	3	215	2								
		3		0	0	13	3	57	5	425	4								
		4		2	6	45	11	127	11	963	9								
		5		8	24	91	23	269	24	2,320	23								
		6		13	39	115	29	303	27	3,049	30								
		7	Excellent	8	24	109	27	297	27	3,044	30								
		—	Not applicable	0	0	9	2	14	1	130	1								
			Total	33	100	399	100	1,117	100	10,301	100								
b. Academic advisors	QIadvisor	1	Poor	0	0	21	5	61	5	538	5	5.5	5.3	.10	5.0	.26	5.2	.18	
		2		0	0	18	5	50	4	512	5								
		3		3	9	22	6	93	8	742	7								
		4		5	15	40	10	159	14	1,182	11								
		5		7	21	73	18	211	19	1,816	18								
		6		9	27	97	24	240	22	2,105	20								
		7	Excellent	9	27	124	31	269	24	2,962	29								
		—	Not applicable	0	0	3	1	32	3	428	4								
			Total	33	100	398	100	1,115	100	10,285	100								
c. Faculty	QIfaculty	1	Poor	0	0	7	2	27	2	209	2	5.5	5.5	.05	5.4	.11	5.4	.06	
		2		1	3	11	3	29	3	293	3								
		3		1	3	14	4	70	6	499	5								
		4		5	15	56	14	126	11	1,174	11								
		5		7	21	80	20	244	22	2,284	22								
		6		11	33	131	33	359	32	3,098	30								
		7	Excellent	8	24	96	24	246	22	2,590	25								
		—	Not applicable	0	0	1	0	7	1	92	1								
			Total	33	100	396	100	1,108	100	10,239	100								

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				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	0	0	16	4	63	6	558	5	5.1	5.0	.05	4.8	.15	4.9	.12	
		2		3	9	18	5	51	5	493	5								
		3		4	12	24	6	82	7	705	7								
		4		4	12	47	12	141	13	1,227	12								
		5		8	24	68	17	178	16	1,713	17								
		6		3	9	79	20	191	17	1,839	18								
		7	Excellent	10	30	63	16	173	15	1,648	16								
		—	Not applicable	1	3	85	21	239	21	2,092	20								
Total				33	100	400	100	1,118	100	10,275	100								
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	4	12	19	5	78	7	617	6	4.4	5.0	-.32	4.7	-.15	4.9	-.25	
		2		1	3	19	5	71	6	568	6								
		3		4	12	33	8	99	9	833	8								
		4		5	15	57	14	162	15	1,464	14								
		5		9	27	93	23	237	21	2,081	20								
		6		7	21	88	22	213	19	2,099	20								
		7	Excellent	3	9	75	19	179	16	1,928	19								
		—	Not applicable	0	0	14	4	78	7	690	7								
Total				33	100	398	100	1,117	100	10,280	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	0	0	14	3	38	3	295	3	2.9	3.0	-.12	3.1	-.25	3.1	-.26	
		2	Some	10	30	85	21	204	18	1,872	18								
		3	Quite a bit	16	48	187	47	467	42	4,419	43								
		4	Very much	7	21	115	29	404	36	3,678	36								
		Total				33	100	401	100	1,113	100								10,264
b. Providing support to help students succeed academically	SEacademic	1	Very little	1	3	26	7	76	7	715	7	2.8	2.8	-.01	2.8	.04	2.8	-.03	
		2	Some	11	33	109	28	332	30	2,773	27								
		3	Quite a bit	14	42	168	42	454	41	4,150	41								
		4	Very much	7	21	93	23	243	22	2,572	25								
		Total				33	100	396	100	1,105	100								10,210
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	2	6	46	12	116	11	1,066	10	2.7	2.7	-.02	2.7	.02	2.8	-.03	
		2	Some	12	36	106	27	336	31	2,875	28								
		3	Quite a bit	12	36	153	38	398	36	3,721	36								
		4	Very much	7	21	95	24	251	23	2,534	25								
		Total				33	100	400	100	1,101	100								10,196

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				Frequency Distributions								Statistical Comparisons ^k						
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with				
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ	
														Mean	Effect size ⁿ		Mean	Effect size ⁿ
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	4	12	82	21	247	22	2,192	21	2.3	2.4	-.12	2.4	-.05	2.4	-.12
		2	Some	19	58	130	33	402	36	3,370	33							
		3	Quite a bit	6	18	126	32	282	25	2,834	28							
		4	Very much	4	12	61	15	178	16	1,833	18							
		Total		33	100	399	100	1,109	100	10,229	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	2	6	43	11	125	11	1,173	11	2.7	2.7	-.05	2.7	-.02	2.7	.00
		2	Some	13	39	102	26	323	29	3,030	30							
		3	Quite a bit	11	33	168	42	405	37	3,727	36							
		4	Very much	7	21	86	22	256	23	2,305	23							
		Total		33	100	399	100	1,109	100	10,235	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	2	6	45	11	162	15	1,442	14	2.8	2.7	.14	2.6	.21	2.6	.18
		2	Some	10	30	119	30	321	29	3,028	30							
		3	Quite a bit	13	39	150	38	397	36	3,522	34							
		4	Very much	8	24	85	21	225	20	2,219	22							
		Total		33	100	399	100	1,105	100	10,211	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	9	27	137	34	427	39	3,838	38	2.2	2.1	.12	2.0	.23	2.0	.19
		2	Some	13	39	140	35	394	36	3,512	34							
		3	Quite a bit	7	21	79	20	186	17	1,904	19							
		4	Very much	4	12	42	11	100	9	958	9							
		Total		33	100	398	100	1,107	100	10,212	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	4	12	57	14	172	16	1,613	16	2.6	2.6	.04	2.6	.04	2.6	.06
		2	Some	12	36	136	34	343	31	3,301	32							
		3	Quite a bit	10	30	126	32	388	35	3,351	33							
		4	Very much	7	21	79	20	205	19	1,942	19							
		Total		33	100	398	100	1,108	100	10,207	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	7	21	96	24	256	23	2,389	23	2.2	2.3	-.12	2.2	-.06	2.3	-.11
		2	Some	16	48	134	34	446	40	3,761	37							
		3	Quite a bit	7	21	113	29	286	26	2,724	27							
		4	Very much	3	9	51	13	117	11	1,297	13							
		Total		33	100	394	100	1,105	100	10,171	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k								
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		<i>Your seniors compared with</i>						
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ		
15. About how many hours do you spend in a typical 7-day week doing the following?																				
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs <i>(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	0 8 5 12 6 1 1 0	0 24 15 36 18 3 3 0	5 70 110 69 65 30 20 31	1 18 28 17 16 8 5 8	4 166 238 197 184 112 90 121	0 15 21 18 17 10 8 11	71 1,520 2,294 1,865 1,679 1,033 698 1,121	1 15 22 18 16 10 7 11	11.5	13.6	-.24	▼	15.6 **	-.44	▼	15.3 **	-.41
Total				33	100	400	100	1,112	100	10,281	100									
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs <i>(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	4 11 8 6 2 1 0 0	13 34 25 19 6 3 0 0	181 117 52 24 14 2 2 3	46 30 13 6 4 1 1 1	589 296 118 46 32 15 3 9	53 27 11 4 3 1 0 1	5,221 2,725 1,099 541 314 134 79 89	51 27 11 5 3 1 1 1	7.3	3.9 **	.60	▲	3.4 ***	.69	▲	3.7 ***	.59
Total				32	100	395	100	1,108	100	10,202	100									
c. Working for pay on campus	tmworkonhrs <i>(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)</i>	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs	14 3 7 2 4 1 0 2	42 9 21 6 12 3 0 6	271 16 27 32 35 9 1 8	68 4 7 8 9 2 0 2	767 36 70 69 111 10 1 26	69 3 6 6 10 2 1 2	7,199 451 810 663 683 195 72 173	70 4 8 6 7 2 1 2	7.6	4.5 *	.39	▲	4.7 *	.35	▲	4.0 **	.49
Total				33	100	399	100	1,112	100	10,246	100									

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k						
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with				
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ	
														Mean	Effect size ⁿ		Mean	Effect size ⁿ
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	19	58	156	40	554	51	5,042	50	8.1	13.7 ** ▼	-.42	10.5	-.19	10.6	-.20
	(Recoded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	0	0	18	5	41	4	463	5							
	8	6-10 hrs	2	6	13	3	58	5	595	6								
	13	11-15 hrs	4	12	28	7	64	6	627	6								
	18	16-20 hrs	3	9	41	10	95	9	825	8								
	23	21-25 hrs	1	3	32	8	74	7	570	6								
	28	26-30 hrs	2	6	19	5	46	4	394	4								
	33	More than 30 hrs	2	6	87	22	165	15	1,669	16								
	Total			33	100	394	100	1,097	100	10,185	100							
Estimated number of hours working for pay	tmworkhrs		(Continuous variable created by NSSE)									15.7	18.0	-.17	15.0	.05	14.5	.09
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	17	52	230	59	701	64	6,503	64	2.2	2.4	-.03	2.1	.02	2.2	.00
	(Recoded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	12	36	120	31	293	27	2,561	25							
	8	6-10 hrs	3	9	18	5	59	5	532	5								
	13	11-15 hrs	1	3	9	2	19	2	239	2								
	18	16-20 hrs	0	0	8	2	15	1	153	2								
	23	21-25 hrs	0	0	3	1	5	0	74	1								
	28	26-30 hrs	0	0	2	1	5	0	43	0								
	33	More than 30 hrs	0	0	1	0	6	1	52	1								
	Total			33	100	391	100	1,103	100	10,157	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	0	0	15	4	30	3	311	3	11.8	12.1	-.04	11.6	.02	12.0	-.03
	(Recoded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	6	18	95	24	273	25	2,452	24							
	8	6-10 hrs	14	42	98	25	291	26	2,686	26								
	13	11-15 hrs	6	18	70	18	209	19	1,798	18								
	18	16-20 hrs	3	9	47	12	145	13	1,280	13								
	23	21-25 hrs	0	0	26	7	64	6	625	6								
	28	26-30 hrs	1	3	13	3	25	2	315	3								
	33	More than 30 hrs	3	9	30	8	65	6	729	7								
	Total			33	100	394	100	1,102	100	10,196	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k									
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015			
												Mean		Effect size ⁿ		Effect size ⁿ					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ			
g. Providing care for dependents (children, parents, etc.)												1.5	▼	5.3 ***	-.39	▼	5.1 ***	-.37	▼	5.3 ***	-.38
	tmcarehrs	0	0 hrs	27	82	267	68	750	68	6,713	66										
		3	1-5 hrs	3	9	39	10	100	9	1,072	11										
	(Recoded version of tmcare created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	1	3	15	4	69	6	552	5										
		13	11-15 hrs	1	3	11	3	36	3	364	4										
		18	16-20 hrs	1	3	18	5	30	3	309	3										
		23	21-25 hrs	0	0	7	2	17	2	153	2										
		28	26-30 hrs	0	0	3	1	12	1	132	1										
		33	More than 30 hrs	0	0	35	9	92	8	888	9										
			Total	33	100	395	100	1,106	100	10,183	100										
h. Commuting to campus (driving, walking, etc.)												4.0		4.5	-.11	5.0	-.21	4.9	-.17		
	tmcommutehrs	0	0 hrs	4	12	59	15	132	12	1,859	18										
		3	1-5 hrs	22	67	247	62	639	57	5,371	52										
	(Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	8	6-10 hrs	5	15	66	17	241	22	1,979	19										
		13	11-15 hrs	2	6	8	2	56	5	604	6										
		18	16-20 hrs	0	0	12	3	23	2	219	2										
		23	21-25 hrs	0	0	4	1	12	1	88	1										
		28	26-30 hrs	0	0	2	1	2	0	49	0										
		33	More than 30 hrs	0	0	2	1	9	1	84	1										
			Total	33	100	400	100	1,114	100	10,253	100										
16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?												2.5	2.5	.03	2.5	.06	2.6	-.01			
	reading	1	Very little	6	18	78	20	267	24	2,089	20										
	(Revised for 2014. Comparison data are limited to NSSE 2014 participating institutions.)	2	Some	13	39	147	37	359	32	3,310	32										
		3	About half	5	15	90	23	251	22	2,560	25										
		4	Most	8	24	60	15	171	15	1,651	16										
		5	Almost all	1	3	24	6	69	6	650	6										
			Total	33	100	399	100	1,117	100	10,260	100										
	tmreadinghrs											5.1	5.4	-.06	6.1	-.17	6.3	-.20			
	(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)																				

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k								
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015		
Item wording or description	Variable name ^l	Values ^m	Response options									Your seniors compared with								
				Count	%	Count	%	Count	%	Count	%	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ	
	tmreadinghrscol	1	0 hrs	0	0	5	1	3	0	69	1									
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	19	58	245	62	630	57	5,575	55									
		3	More than 5, up to 10 hrs	11	33	97	24	288	26	2,711	27									
		4	More than 10, up to 15 hrs	1	3	23	6	89	8	833	8									
		5	More than 15, up to 20 hrs	2	6	15	4	45	4	529	5									
		6	More than 20, up to 25 hrs	0	0	7	2	40	4	354	3									
		7	More than 25 hrs	0	0	6	2	14	1	140	1									
			Total	33	100	398	100	1,109	100	10,211	100									

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

a. Writing clearly and effectively	pgwrite	1	Very little	3	9	40	10	140	13	1,215	12	2.5	2.7	-.21	2.7	-.18	2.7	-.23
		2	Some	13	39	127	32	331	30	2,874	28							
		3	Quite a bit	14	42	143	36	391	35	3,575	35							
		4	Very much	3	9	89	22	258	23	2,630	26							
		Total		33	100	399	100	1,120	100	10,294	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	2	6	53	13	178	16	1,442	14	2.7	2.6	.09	2.6	.12	2.7	.05
		2	Some	12	36	114	29	341	31	2,870	28							
		3	Quite a bit	12	36	153	38	346	31	3,473	34							
		4	Very much	7	21	79	20	253	23	2,482	24							
		Total		33	100	399	100	1,118	100	10,267	100							
c. Thinking critically and analytically	pgthink	1	Very little	1	3	12	3	56	5	437	4	3.0	3.1	-.15	3.1	-.13	3.2	-.19
		2	Some	7	21	77	19	210	19	1,764	17							
		3	Quite a bit	16	48	160	40	400	36	3,762	37							
		4	Very much	9	27	150	38	451	40	4,311	42							
		Total		33	100	399	100	1,117	100	10,274	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	2	6	28	7	115	10	1,164	11	2.6	2.9	-.30	2.9	-.24	2.8	-.18
		2	Some	14	42	98	25	275	25	2,604	25							
		3	Quite a bit	11	33	152	38	361	33	3,409	33							
		4	Very much	6	18	118	30	358	32	3,066	30							
		Total		33	100	396	100	1,109	100	10,243	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k						
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with				
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ	
														Mean	Effect size ⁿ		Mean	Effect size ⁿ
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	0	0	27	7	107	10	985	10	3.1	3.0	.02	2.9	.14	2.9	.12
		2	Some	9	27	73	18	257	23	2,282	22							
		3	Quite a bit	13	39	155	39	372	33	3,337	32							
		4	Very much	11	33	143	36	383	34	3,686	36							
		Total		33	100	398	100	1,119	100	10,290	100							
f. Working effectively with others	pgothers	1	Very little	1	3	33	8	98	9	839	8	2.9	2.9	.02	2.8	.06	2.9	-.02
		2	Some	10	30	98	25	306	27	2,563	25							
		3	Quite a bit	14	42	159	40	406	36	3,688	36							
		4	Very much	8	24	107	27	304	27	3,158	31							
		Total		33	100	397	100	1,114	100	10,248	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	6	18	78	20	260	23	1,983	19	2.4	2.5	-.07	2.5	-.07	2.5	-.14
		2	Some	13	39	131	33	322	29	3,056	30							
		3	Quite a bit	9	27	113	29	286	26	2,942	29							
		4	Very much	5	15	74	19	248	22	2,285	22							
		Total		33	100	396	100	1,116	100	10,266	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	3	9	80	20	250	22	2,091	20	2.2	2.4	-.20	2.4	-.19	2.5 *	-0.26
		2	Some	23	70	140	35	370	33	3,264	32							
		3	Quite a bit	4	12	114	29	284	26	2,777	27							
		4	Very much	3	9	63	16	208	19	2,119	21							
		Total		33	100	397	100	1,112	100	10,251	100							
i. Solving complex real-world problems	pgprobsolve	1	Very little	4	12	47	12	160	14	1,368	13	2.5	2.7	-.18	2.7	-.18	2.7	-.19
		2	Some	12	36	120	30	320	29	2,908	28							
		3	Quite a bit	13	39	143	36	339	30	3,348	33							
		4	Very much	4	12	89	22	299	27	2,650	26							
		Total		33	100	399	100	1,118	100	10,274	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	4	13	94	24	317	28	2,395	23	2.4	2.3	.04	2.3	.12	2.4	.01
		2	Some	15	47	137	35	369	33	3,419	33							
		3	Quite a bit	10	31	103	26	257	23	2,692	26							
		4	Very much	3	9	63	16	171	15	1,723	17							
		Total		32	100	397	100	1,114	100	10,229	100							

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Frequencies and Statistical Comparisons: Aviat, CSci, AtSc

University of North Dakota

Seniors^a in Aviat, CSci, AtSc

				Frequency Distributions								Statistical Comparisons ^k							
				UND		Plains Public		Carnegie Class		NSSE 2015		UND		Your seniors compared with					
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ		Mean	Effect size ⁿ		
														Mean	Effect size ⁿ		Mean	Effect size ⁿ	
18. How would you evaluate your entire educational experience at this institution?																			
	evalexp	1	Poor	1	3	11	3	48	4	386	4	3.0	3.1	-.21	3.1	-.16	3.1	-.18	
		2	Fair	7	21	54	14	164	15	1,602	16								
		3	Good	17	52	208	52	539	48	4,803	47								
		4	Excellent	8	24	127	32	372	33	3,524	34								
		Total		33	100	400	100	1,123	100	10,315	100								
19. If you could start over again, would you go to the same institution you are now attending?																			
	sameinst	1	Definitely no	0	0	20	5	69	6	632	6	3.2	3.1	.13	3.1	.15	3.1	.15	
		2	Probably no	6	18	52	13	154	14	1,515	15								
		3	Probably yes	13	39	180	45	485	43	4,226	41								
		4	Definitely yes	14	42	147	37	415	37	3,955	38								
		Total		33	100	399	100	1,123	100	10,328	100								

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
20a. How many majors do you plan to complete? (Do not count minors.)	MAJnum	One	24	69	238	86	746	88	7,773	86	28	85	353	88	993	88	9,047	87
		More than one	11	31	39	14	106	12	1,288	14	5	15	48	12	133	12	1,312	13
		Total	35	100	277	100	852	100	9,061	100	33	100	401	100	1,126	100	10,359	100
First major or expected first major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJfirstcol <i>(Recoded from MAJfirst.)</i>	Arts & Humanities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Biological Sci., Agriculture, & Natural Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Physical Sci., Mathematics, & Computer Science	9	26	141	51	623	73	5,566	61	5	15	150	37	682	61	5,237	51
		Social Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Business	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Communications, Media, & Public Relations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Health Professions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Social Service Professions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		All Other	26	74	136	49	229	27	3,495	39	28	85	251	63	444	39	5,122	49
		Undecided, Undeclared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	35	100	277	100	852	100	9,061	100	33	100	401	100	1,126	100	10,359	100
Second major or expected second major, in NSSE's default related-major categories. (Does not reflect any customization made for the Major Field Report)	MAJsecondcol <i>(Recoded from MAJsecond.)</i>	Arts & Humanities	1	10	2	5	11	10	193	15	1	20	4	8	18	14	184	14
		Biological Sci., Agriculture, & Natural Resources	0	0	1	3	3	3	46	4	0	0	4	8	2	2	44	3
		Physical Sci., Mathematics, & Computer Science	1	10	15	38	21	20	328	26	1	20	15	31	38	29	355	27
		Social Sciences	0	0	3	8	9	9	129	10	0	0	0	0	15	11	136	10
		Business	1	10	4	10	17	16	187	15	0	0	5	10	13	10	157	12
		Communications, Media, & Public Relations	0	0	3	8	4	4	38	3	0	0	0	0	2	2	25	2
		Education	0	0	0	0	1	1	17	1	0	0	0	0	2	2	30	2
		Engineering	1	10	2	5	17	16	103	8	0	0	1	2	16	12	101	8
		Health Professions	0	0	0	0	4	4	19	1	0	0	2	4	1	1	29	2
		Social Service Professions	1	10	0	0	3	3	35	3	0	0	5	10	5	4	39	3
		All Other	4	40	8	21	11	10	150	12	3	60	12	25	19	14	183	14
		Undecided, Undeclared	1	10	1	3	4	4	34	3	0	0	0	0	1	1	16	1
		Total	10	100	39	100	105	100	1,279	100	5	100	48	100	132	100	1,299	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21. What is your class level?	class	Freshman/First-year	32	91	249	90	742	87	7,849	87	0	0	0	0	4	0	31	0
		Sophomore	2	6	23	8	84	10	950	11	0	0	5	1	13	1	110	1
		Junior	1	3	2	1	14	2	114	1	2	6	31	8	120	11	998	10
		Senior	0	0	1	0	5	1	31	0	29	88	345	86	936	84	8,621	84
		Unclassified	0	0	2	1	4	0	60	1	2	6	18	5	39	4	540	5
		Total	35	100	277	100	849	100	9,004	100	33	100	399	100	1,112	100	10,300	100
22. Thinking about this current academic term, are you a full-time student?	fulltime	No	1	3	14	5	31	4	418	5	4	12	102	26	273	25	2,279	22
		Yes	34	97	262	95	809	96	8,565	95	29	88	297	74	835	75	7,965	78
		Total	35	100	276	100	840	100	8,983	100	33	100	399	100	1,108	100	10,244	100
23a. How many courses are you taking for credit this current academic term?	coursenum	0	0	0	1	0	0	0	41	0	0	0	3	1	24	2	325	3
		1	0	0	1	0	3	0	84	1	2	6	11	3	35	3	488	5
		2	0	0	4	1	14	2	191	2	1	3	43	11	115	10	1,008	10
		3	1	3	15	5	31	4	488	5	5	15	38	10	127	11	1,348	13
		4	10	29	74	27	260	31	2,587	29	6	18	115	29	340	31	2,979	29
		5	12	34	127	46	364	43	3,662	41	10	30	106	27	278	25	2,412	23
		6	6	17	30	11	112	13	1,192	13	5	15	45	11	111	10	982	10
		7 or more	6	17	24	9	64	8	753	8	4	12	38	10	83	7	730	7
Total	35	100	276	100	848	100	8,998	100	33	100	399	100	1,113	100	10,272	100		
b. Of these, how many are entirely online?	onlinenum	0	30	88	236	86	733	87	7,760	86	28	85	233	59	850	77	7,524	73
		1	3	9	31	11	76	9	816	9	5	15	91	23	158	14	1,511	15
		2	0	0	5	2	26	3	211	2	0	0	37	9	57	5	634	6
		3	0	0	3	1	4	0	64	1	0	0	10	3	25	2	271	3
		4	1	3	0	0	2	0	66	1	0	0	12	3	7	1	146	1
		5	0	0	0	0	3	0	21	0	0	0	4	1	3	0	58	1
		6	0	0	0	0	1	0	14	0	0	0	4	1	0	0	36	0
		7 or more	0	0	0	0	2	0	25	0	0	0	4	1	5	0	57	1
Total	34	100	275	100	847	100	8,977	100	33	100	395	100	1,105	100	10,237	100		
Collapsed recode of courses taken online (Based on responses to coursenum and onlinenum)	onlinecrscol	No courses taken online	30	88	236	86	733	87	7,751	87	28	85	233	59	850	77	7,516	74
		Some courses taken online	4	12	35	13	101	12	995	11	5	15	118	30	209	19	1,889	18
		All courses taken online	0	0	4	1	13	2	214	2	0	0	44	11	46	4	813	8
		Total	34	100	275	100	847	100	8,960	100	33	100	395	100	1,105	100	10,218	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
24. What have most of your grades been up to now at this institution?	grades	C- or lower	0	0	6	2	16	2	197	2	0	0	2	1	7	1	44	0
		C	0	0	7	3	31	4	340	4	2	6	8	2	27	2	236	2
		C+	0	0	10	4	45	5	516	6	0	0	18	5	61	5	485	5
		B-	2	6	15	5	63	7	706	8	3	9	19	5	70	6	765	7
		B	11	31	48	17	160	19	1,731	19	9	27	80	20	231	21	2,009	20
		B+	5	14	57	21	159	19	1,729	19	2	6	68	17	217	19	1,953	19
		A-	3	9	52	19	145	17	1,677	19	3	9	69	17	196	18	1,956	19
		A	14	40	81	29	229	27	2,105	23	14	42	135	34	304	27	2,841	28
Total	35	100	276	100	848	100	9,001	100	33	100	399	100	1,113	100	10,289	100		
25. Did you begin college at this institution or elsewhere?	begincol	Started here	30	86	250	90	777	92	8,114	90	23	70	180	45	553	50	5,685	55
		Started elsewhere	5	14	27	10	69	8	864	10	10	30	218	55	560	50	4,595	45
		Total	35	100	277	100	846	100	8,978	100	33	100	398	100	1,113	100	10,280	100
26. Since graduating from high school, which of the following types of schools have you attended <i>other than</i> the one you are now attending? (Select all that apply.)	attend_voc attend_com attend_col attend_none attend_other	Vocational or technical school	1	3	9	3	24	3	266	4	1	3	46	12	74	7	802	9
		Community or junior college	2	6	16	6	48	6	526	8	5	15	163	41	475	43	3,640	42
		4-year college or university other than this one	4	11	14	5	66	8	580	8	7	21	128	32	322	29	2,374	27
		None	29	83	230	84	684	81	5,525	79	21	64	137	34	424	38	3,369	39
		Other	2	6	10	4	36	4	284	4	1	3	18	5	44	4	427	5
27. What is the highest level of education you ever expect to complete?	edaspire	Some college but less than a bachelor's degree	1	3	9	3	30	4	383	4	1	3	18	5	44	4	408	4
		Bachelor's degree (B.A., B.S., etc.)	22	63	144	52	360	43	4,125	46	20	61	215	54	509	46	4,682	46
		Master's degree (M.A., M.S., etc.)	10	29	92	33	345	41	3,380	38	10	30	121	30	417	37	3,899	38
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	6	32	12	110	13	1,069	12	2	6	43	11	143	13	1,272	12
		Total	35	100	277	100	845	100	8,957	100	33	100	397	100	1,113	100	10,261	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc

University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
28. What is the highest level of education completed by either of your parents (or those who raised you)?	parented	Did not finish high school	0	0	9	3	38	4	319	5	0	0	6	2	37	3	431	5
		High school diploma or G.E.D.	5	14	40	15	135	16	1,116	16	3	9	77	19	180	16	1,666	19
		Attended college, but did not complete degree	5	14	33	12	86	10	757	11	3	9	46	12	110	10	945	11
		Associate's degree (A.A., A.S., etc.)	2	6	28	10	71	8	581	8	2	6	52	13	96	9	841	10
		Bachelor's degree (B.A., B.S., etc.)	14	40	92	33	273	32	2,131	31	16	48	135	34	334	30	2,539	29
		Master's degree (M.A., M.S., etc.)	7	20	55	20	178	21	1,549	22	8	24	59	15	258	23	1,695	19
		Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	6	18	7	65	8	519	7	1	3	24	6	98	9	612	7
		Total	35	100	275	100	846	100	6,972	100	33	100	399	100	1,113	100	8,729	100
First-generation status (No parent holds a bachelor's degree)	firstgen (Recoded from parented)	Not first-generation	23	66	165	60	516	61	5,410	60	25	76	218	55	690	62	5,705	56
		First-generation	12	34	110	40	330	39	3,557	40	8	24	181	45	423	38	4,569	44
		Total	35	100	275	100	846	100	8,967	100	33	100	399	100	1,113	100	10,274	100
29. What is your gender identity?	genderid	Man	26	74	187	68	575	68	5,830	65	26	79	273	69	773	70	6,484	63
		Woman	9	26	83	30	251	30	2,905	32	5	15	115	29	308	28	3,490	34
		Another gender identity	0	0	1	0	8	1	61	1	0	0	1	0	5	0	42	0
		I prefer not to respond	0	0	5	2	13	2	180	2	2	6	8	2	26	2	253	2
		Total	35	100	276	100	847	100	8,976	100	33	100	397	100	1,112	100	10,269	100
30. Enter your year of birth (e.g., 1994):	agecat (Recoded from the information entered in birthyear)	19 or younger	35	100	241	88	733	87	7,144	80	1	3	2	1	3	0	42	0
		20-23	0	0	18	7	68	8	1,123	13	24	73	217	55	582	53	5,699	56
		24-29	0	0	7	3	19	2	339	4	6	18	86	22	307	28	2,227	22
		30-39	0	0	6	2	8	1	194	2	1	3	55	14	124	11	1,273	12
		40-55	0	0	3	1	12	1	126	1	0	0	32	8	71	6	815	8
		Over 55	0	0	0	0	1	0	13	0	1	3	4	1	15	1	129	1
		Total	35	100	275	100	841	100	8,939	100	33	100	396	100	1,102	100	10,185	100
31a. Are you an international student?	internat	No	35	100	237	87	772	92	6,369	92	29	94	368	93	1,038	94	8,158	94
		Yes	0	0	35	13	70	8	585	8	2	6	27	7	65	6	506	6
		Total	35	100	272	100	842	100	6,954	100	31	100	395	100	1,103	100	8,664	100
International student country of citizenship, collapsed into regions by NSSE. Responses to country are in the data file. U.S. (domestic) students did not receive this question.	countrycol (Recoded from country.)	Africa Sub-Saharan	0	0	3	11	7	16	19	7	0	0	1	5	5	12	20	9
		Asia	0	0	17	63	20	44	149	56	2	100	16	76	25	58	119	55
		Canada	0	0	1	4	0	0	3	1	0	0	0	0	1	2	4	2
		Europe	0	0	3	11	5	11	27	10	0	0	0	0	5	12	22	10
		Latin America and Caribbean	0	0	1	4	7	16	36	13	0	0	3	14	4	9	22	10
		Middle East and North Africa	0	0	2	7	6	13	32	12	0	0	1	5	2	5	29	13
		Oceania	0	0	0	0	0	0	1	0	0	0	0	0	1	2	1	0
		Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	27	100	45	100	267	100	2	100	21	100	43	100	217	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc

University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32. What is your racial or ethnic identification? (Select all that apply.)	re_amind	American Indian or Alaska Native	2	6	6	2	21	2	143	2	2	6	6	2	7	1	152	2
	re_asian	Asian	2	6	36	13	167	20	1,094	16	4	12	34	9	114	10	989	11
	re_black	Black or African American	2	6	15	5	82	10	698	10	0	0	20	5	69	6	725	8
	re_latino	Hispanic or Latino	3	9	10	4	122	14	817	12	0	0	13	3	121	11	818	9
	re_pacific	Native Hawaiian or Other Pacific Islander	1	3	1	0	14	2	96	1	1	3	1	0	2	0	64	1
	re_white	White	33	94	213	77	486	57	4,405	63	29	88	326	82	776	70	5,941	68
	re_other	Other	1	3	5	2	34	4	210	3	0	0	5	1	24	2	216	2
	re_pnr	I prefer not to respond	1	3	8	3	36	4	294	4	1	3	17	4	68	6	519	6
	Racial or ethnic identification	re_all	American Indian or Alaska Native	1	3	1	0	3	0	21	0	0	0	1	0	3	0	36
(Recoded from re_amind through re_pnr where each student is represented only once)		Asian	0	0	29	10	139	16	907	13	3	9	29	7	91	8	810	9
re_amind		Black or African American	0	0	11	4	61	7	548	8	0	0	17	4	61	5	611	7
re_pnr		Hispanic or Latino	0	0	10	4	79	9	539	8	0	0	5	1	90	8	562	6
re_pnr		Native Hawaiian/Other Pac. Islander	0	0	0	0	5	1	27	0	0	0	1	0	1	0	16	0
re_pnr		White	27	77	201	73	417	49	3,916	56	25	76	307	77	719	65	5,432	62
re_pnr		Other	0	0	2	1	18	2	114	2	0	0	1	0	15	1	126	1
re_pnr		Multiracial	6	17	15	5	89	11	622	9	4	12	20	5	64	6	604	7
re_pnr		I prefer not to respond	1	3	8	3	36	4	294	4	1	3	17	4	68	6	519	6
	Total	35	100	277	100	847	100	6,988	100	33	100	398	100	1,112	100	8,716	100	
33. Are you a member of a social fraternity or sorority?	greek	No	28	80	253	92	787	93	8,497	95	27	82	364	92	1,039	94	9,585	94
		Yes	7	20	23	8	55	7	448	5	6	18	31	8	70	6	649	6
		Total	35	100	276	100	842	100	8,945	100	33	100	395	100	1,109	100	10,234	100
34. Which of the following best describes where you are living while attending college?	living	Dormitory or other campus housing (not fraternity or sorority house)	31	89	195	71	464	55	4,368	63	7	21	33	8	113	10	1,509	17
		Fraternity or sorority house	0	0	1	0	7	1	40	1	1	3	5	1	13	1	92	1
		Residence (house, apartment, etc.) within walking distance to the institution	1	3	27	10	92	11	579	8	15	45	114	29	298	27	1,868	21
		Residence (house, apartment, etc.) farther than walking distance to the institution	3	9	44	16	261	31	1,732	25	10	30	234	59	662	59	4,853	56
		None of the above	0	0	9	3	20	2	245	4	0	0	11	3	27	2	396	5
		Total	35	100	276	100	844	100	6,964	100	33	100	397	100	1,113	100	8,718	100
35. Are you a student-athlete on a team sponsored by your institution's athletics department?	athlete	No	31	89	255	94	817	97	8,368	94	33	100	386	97	1,086	98	9,851	97
		Yes	4	11	17	6	28	3	553	6	0	0	11	3	17	2	353	3
		Total	35	100	272	100	845	100	8,921	100	33	100	397	100	1,103	100	10,204	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc

University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	First-Year Students ^a								Seniors ^a							
			UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
36. Are you a current or former member of the U.S. Armed Forces, Reserves, or National Guard?	veteran	No	33	94	273	100	815	97	6,577	95	28	85	358	91	1,040	94	7,850	90
		Yes	2	6	1	0	26	3	346	5	5	15	37	9	67	6	828	10
		Total	35	100	274	100	841	100	6,923	100	33	100	395	100	1,107	100	8,678	100
37a. Have you been diagnosed with any disability or impairment?	disability	No	34	97	247	90	739	87	7,734	86	29	88	334	85	924	83	8,726	85
		Yes	1	3	19	7	84	10	849	9	3	9	45	11	136	12	1,091	11
		I prefer not to respond	0	0	7	3	23	3	383	4	1	3	16	4	52	5	436	4
		Total	35	100	273	100	846	100	8,966	100	33	100	395	100	1,112	100	10,253	100
b. [If answered "yes"] Which of the following has been diagnosed? (Select all that apply.)	dis_sense	A sensory impairment (vision or hearing)	0	0	4	21	11	13	129	15	0	0	8	18	15	11	159	15
	dis_mobility	A mobility impairment	0	0	3	16	4	5	68	8	1	33	4	9	14	10	121	11
	dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	100	8	42	38	46	430	51	1	33	21	47	64	47	507	47
	dis_mental	A mental health disorder	0	0	4	21	29	35	240	29	1	33	15	33	54	40	338	31
	dis_other	A disability or impairment not listed above	0	0	5	26	12	15	159	19	0	0	10	22	26	19	282	26
Disability or impairment	disability_all	A sensory impairment	0	0	3	1	7	1	87	1	0	0	5	1	9	1	90	1
	(Recoded from disability and dis_sense through dis_other where each student is represented only once)	A mobility impairment	0	0	2	1	4	0	41	0	1	3	2	1	8	1	55	1
		A learning disability	1	3	5	2	30	4	316	4	1	3	12	3	44	4	344	3
		A mental health disorder	0	0	2	1	17	2	132	1	1	3	8	2	30	3	173	2
		A disability or impairment not listed	0	0	2	1	12	1	104	1	0	0	6	2	17	2	163	2
		More than one disability or impairment	0	0	5	2	12	1	162	2	0	0	12	3	27	2	259	3
		No disability or impairment	34	97	247	90	739	88	7,734	86	29	88	334	85	924	83	8,726	85
		Prefer not to respond	0	0	7	3	23	3	383	4	1	3	16	4	52	5	436	4
	Total	35	100	273	100	844	100	8,959	100	33	100	395	100	1,111	100	10,246	100	
38. Which of the following best describes your sexual orientation? (Question administered per institution request)	sexorient14	Heterosexual	--	--	90	87	300	85	2,547	83	--	--	139	88	350	82	3,213	83
		Gay	--	--	1	1	3	1	43	1	--	--	2	1	10	2	78	2
		Lesbian	--	--	1	1	3	1	22	1	--	--	1	1	0	0	29	1
		Bisexual	--	--	2	2	11	3	105	3	--	--	2	1	13	3	142	4
		Another sexual orientation	--	--	0	0	5	1	49	2	--	--	0	0	10	2	58	1
		Questioning or unsure	--	--	2	2	5	1	79	3	--	--	1	1	3	1	33	1
		I prefer not to respond	--	--	7	7	27	8	227	7	--	--	13	8	39	9	314	8
		Total	--	--	103	100	354	100	3,072	100	--	--	158	100	425	100	3,867	100

NSSE 2015 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Aviat, CSci, AtSc

University of North Dakota

Aviat, CSci, AtSc

First-Year Students^a

Seniors^a

Item wording or description	Variable name	Response options	UND		Plains Public		Carnegie Class		NSSE 2015		UND		Plains Public		Carnegie Class		NSSE 2015	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Institution-reported information																		
(Variables provided by your institution in your NSSE population file.)																		
Institution-reported sex	IRsex	Female	9	26	84	30	263	31	3,042	34	5	15	116	29	322	29	3,626	35
		Male	26	74	193	70	589	69	6,018	66	28	85	285	71	804	71	6,732	65
		Total	35	100	277	100	852	100	9,060	100	33	100	401	100	1,126	100	10,358	100
Institution-reported race or ethnicity	IRrace	American Indian or Alaska Native	1	3	2	1	2	0	25	0	0	0	2	1	7	1	47	1
		Asian	0	0	11	4	73	10	518	8	1	3	12	3	46	5	521	7
		Black or African American	0	0	11	4	68	10	535	9	0	0	16	4	58	6	594	8
		Hispanic or Latino	3	9	10	4	82	12	649	10	0	0	7	2	103	11	685	9
		Native Hawaiian/Other Pac. Islander	0	0	0	0	7	1	18	0	0	0	0	0	2	0	19	0
		White	29	83	179	72	378	53	3,585	57	25	76	303	80	650	67	5,007	64
		Other	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0
		Foreign or nonresident alien	0	0	20	8	52	7	389	6	2	6	22	6	52	5	321	4
		Two or more races/ethnicities	1	3	5	2	30	4	238	4	4	12	5	1	19	2	203	3
		Unknown	1	3	12	5	19	3	289	5	1	3	13	3	37	4	399	5
		Total	35	100	250	100	711	100	6,247	100	33	100	380	100	975	100	7,798	100
Institution-reported class level	IRclass	Freshman/First-Year	35	100	277	100	852	100	9,061	100	0	0	0	0	0	0	0	0
		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Senior	0	0	0	0	0	0	0	0	33	100	401	100	1,126	100	10,359	100
		Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	35	100	277	100	852	100	9,061	100	33	100	401	100	1,126	100	10,359	100
Institution-reported first-time first-year (FTFY) status	IRftfy	No	0	0	23	8	99	12	1,447	16	33	100	386	96	1,118	99	10,227	99
		Yes	35	100	254	92	753	88	7,614	84	0	0	15	4	8	1	132	1
		Total	35	100	277	100	852	100	9,061	100	33	100	401	100	1,126	100	10,359	100
Institution-reported enrollment status	IRenrollment	Not full-time	0	0	17	6	39	5	457	5	5	15	84	21	245	22	2,239	22
		Full-time	35	100	260	94	813	95	8,604	95	28	85	317	79	881	78	8,120	78
		Total	35	100	277	100	852	100	9,061	100	33	100	401	100	1,126	100	10,359	100

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t -tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance: $*p < .05$, $**p < .01$, $***p < .001$ (2-tailed).
- g. Cohen's d : The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. $*p < .05$, $**p < .01$, $***p < .001$ (z -test comparing participation rates).
- j. Cohen's h : The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. 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.
- l. Items that 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 and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. 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.
- n. Effect size for independent t -tests uses Cohen's d ; z -tests use Cohen's h .
- o. Statistical comparison uses z -test to compare the percentage who responded "Done or in progress."

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.

Reference: Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.