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**NSSE 2018**  
**Frequencies and Statistical Comparisons**  
The University of Arizona

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# NSSE 2018 Frequencies and Statistical Comparisons


## About This Report

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

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

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

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



### NSSE 2018 Frequencies and Statistical Comparisons

NSSEville State University

		Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
		NSSEville State		Admissions Overlap		Carnegie UG Program		NSSE 2017 & 2018		NSSEville State	Admissions Overlap		Carnegie UG Program		NSSE 2017 & 2018				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
<b>a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)</b>																			
	QRconclude	1	Never	3	0	244	2	54	2	6,952	3	<b>3.3</b>	3.0 ***	.27	3.0 ***	.35	2.9 ***	.43	
		2	Sometimes	152	20	4,397	27	845	29	75,222	33								
		3	Often	212	33	5,947	37	1,086	38	81,724	35								
		4	Very often	280	46	5,440	34	889	31	66,983	29								
			Total	630	100	16,028	100	2,874	100	230,881	100								
<b>b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)</b>																			
	QRproblem	1	Never	82	13	2,369	14	401	14	35,490	16	<b>2.5</b>	2.5	-.04	2.6 *	-.09	2.6	-.05	
		2	Sometimes	267	42	5,959	37	978	34	79,495	34								
		3	Often	164	26	4,548	29	8	1	7,348	29								
		4	Very often	113	19	3,072	20	6	21	47,208	21								
			Total	626	100	15,948	100	2,858	100	229,541	100								
<b>c. Evaluated what others have concluded from numerical information</b>																			
	QRevaluate	1	Never	25	4	778	5	134	5	12,543	6	<b>3.1</b>	3.1	.02	3.1	-.04	3.0	.06	
		2	Sometimes	56	9	1,666	11	262	10	28,134	13								
		3	Often	384	63	9,147	57	1,586	57	128,802	56								
		4	Very often	150	24	4,267	27	851	29	58,873	26								
			Total	615	100	15,858	100	2,833	100	228,352	100								

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

8. **Key to symbols:**

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

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	37	3	339	4	463	5	1,391	5	<b>2.8</b>	2.8 **	.09	2.7 ***	.13	2.7 ***	.14
		2	Sometimes	384	35	3,752	39	3,642	39	11,650	40							
		3	Often	408	38	3,504	35	3,171	34	9,952	34							
		4	Very often	274	24	2,244	22	2,000	22	6,058	21							
		Total		1,103	100	9,839	100	9,276	100	29,051	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	165	15	2,080	21	1,735	18	5,606	20	<b>2.6</b>	2.3 ***	.24	2.5 *	.08	2.4 ***	.18
		2	Sometimes	363	35	3,637	37	3,211	34	10,361	36							
		3	Often	340	31	2,773	28	2,670	29	8,323	28							
		4	Very often	225	20	1,294	13	1,599	19	4,552	15							
		Total		1,093	100	9,784	100	9,215	100	28,842	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	72	7	608	6	512	6	1,641	6	<b>2.9</b>	2.9	-.03	2.9 *	-.08	2.9 *	-.07
		2	Often	177	17	1,587	17	1,376	15	4,515	16							
		3	Sometimes	656	59	5,712	58	5,355	58	16,528	57							
		4	Never	191	17	1,870	19	1,947	21	6,118	21							
		Total		1,096	100	9,777	100	9,190	100	28,802	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	474	44	3,630	38	3,621	39	12,089	42	<b>1.8</b>	1.9 ***	-.11	1.9 **	-.10	1.8	-.05
		2	Sometimes	418	38	4,071	42	3,608	39	10,879	38							
		3	Often	124	11	1,411	14	1,301	14	3,873	13							
		4	Very often	75	6	632	7	642	7	1,917	7							
		Total		1,091	100	9,744	100	9,172	100	28,758	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	85	8	508	6	600	7	1,984	8	<b>2.7</b>	2.8 *	-.07	2.7	.03	2.7	.04
		2	Sometimes	359	34	3,169	33	3,289	36	10,310	36							
		3	Often	406	38	3,894	39	3,458	37	10,819	37							
		4	Very often	238	20	2,175	22	1,820	20	5,643	19							
		Total		1,088	100	9,746	100	9,167	100	28,756	100							
f. Explained course material to one or more students	CLexplain	1	Never	26	3	221	2	284	3	1,034	4	<b>2.8</b>	2.9	-.04	2.8	.04	2.8	.04
		2	Sometimes	360	33	3,066	32	3,149	35	9,943	35							
		3	Often	473	43	4,249	43	3,895	42	11,965	41							
		4	Very often	231	21	2,182	22	1,816	20	5,740	21							
		Total		1,090	100	9,718	100	9,144	100	28,682	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers	Carnegie > 20k			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	135	13	895	10	1,071	12	3,334	12	<b>2.6</b>	2.7 **	-0.09	2.6	.00	2.6	.00	
		2	Sometimes	345	32	3,127	32	3,101	34	9,570	34								
		3	Often	361	34	3,399	35	3,050	33	9,682	33								
		4	Very often	245	22	2,280	23	1,892	21	6,018	21								
		Total		1,086	100	9,701	100	9,114	100	28,604	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	65	6	508	5	566	7	1,931	7	<b>2.7</b>	2.7	-0.04	2.7	.06	2.7	.03	
		2	Sometimes	395	36	3,424	36	3,510	39	10,467	37								
		3	Often	412	38	3,723	38	3,397	36	10,736	37								
		4	Very often	207	19	2,021	21	1,600	18	5,366	19								
		Total		1,079	100	9,676	100	9,073	100	28,500	100								
i. Given a course presentation	present	1	Never	213	20	1,853	19	1,963	23	6,239	22	<b>2.2</b>	2.2	-0.04	2.2	.03	2.2	.00	
		2	Sometimes	532	49	4,587	47	4,226	46	12,953	45								
		3	Often	238	22	2,269	23	2,066	22	6,607	23								
		4	Very often	97	10	958	10	811	9	2,687	10								
		Total		1,080	100	9,667	100	9,066	100	28,486	100								
<b>2. During the current school year, about how often have you done the following?</b>																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	103	10	569	6	693	8	2,099	8	<b>2.5</b>	2.6 ***	-0.13	2.6	-0.03	2.6	-0.05	
		2	Sometimes	427	40	3,630	38	3,649	41	11,279	40								
		3	Often	396	37	3,896	40	3,365	37	10,891	38								
		4	Very often	142	14	1,495	15	1,276	14	3,959	14								
		Total		1,068	100	9,590	100	8,983	100	28,228	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	114	12	718	8	767	9	2,488	10	<b>2.5</b>	2.6 ***	-0.13	2.6 **	-0.10	2.6 *	-0.07	
		2	Sometimes	415	40	3,617	39	3,386	38	10,895	39								
		3	Often	371	33	3,636	37	3,349	37	10,407	36								
		4	Very often	159	15	1,592	16	1,443	16	4,312	15								
		Total		1,059	100	9,563	100	8,945	100	28,102	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	98	11	826	9	808	10	2,882	11	<b>2.5</b>	2.6 *	-0.08	2.6 **	-0.10	2.6	-0.03	
		2	Sometimes	405	39	3,559	38	3,225	37	10,492	38								
		3	Often	386	35	3,467	36	3,217	35	9,804	34								
		4	Very often	166	14	1,656	17	1,640	18	4,753	17								
		Total		1,055	100	9,508	100	8,890	100	27,931	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers	Carnegie > 20k			
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	51	6	359	4	397	5	1,252	5	<b>2.7</b>	2.8 *	-0.08	2.8 *	-0.08	2.8	-0.06	
		2	Sometimes	335	33	2,948	31	2,753	31	8,829	32								
		3	Often	485	46	4,501	47	4,045	46	12,781	46								
		4	Very often	168	16	1,643	17	1,619	19	4,878	18								
		Total		1,039	100	9,451	100	8,814	100	27,740	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	28	3	241	3	228	3	743	3	<b>2.9</b>	2.9	-0.05	2.9 **	-0.10	2.9	-0.06	
		2	Sometimes	300	30	2,505	27	2,266	26	7,435	27								
		3	Often	478	46	4,485	47	4,097	46	12,962	46								
		4	Very often	219	21	2,152	23	2,112	25	6,324	24								
		Total		1,025	100	9,383	100	8,703	100	27,464	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	25	3	227	3	233	3	719	3	<b>2.8</b>	2.9 **	-0.09	2.9 *	-0.07	2.8	-0.06	
		2	Sometimes	334	33	2,621	29	2,509	30	8,119	31								
		3	Often	456	44	4,427	47	3,997	46	12,701	46								
		4	Very often	198	19	2,058	22	1,875	21	5,718	21								
		Total		1,013	100	9,333	100	8,614	100	27,257	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	10	1	91	1	87	1	312	1	<b>3.0</b>	3.1 *	-0.08	3.1 *	-0.08	3.0	-0.05	
		2	Sometimes	219	23	1,747	20	1,678	20	5,580	21								
		3	Often	513	50	4,848	52	4,419	51	14,023	51								
		4	Very often	259	26	2,594	27	2,360	28	7,162	27								
		Total		1,001	100	9,280	100	8,544	100	27,077	100								
<b>3. During the current school year, about how often have you done the following?</b>																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	187	20	1,882	22	1,634	20	5,518	21	<b>2.3</b>	2.2	.05	2.3	.01	2.3	.02	
		2	Sometimes	457	45	4,163	45	3,836	45	12,055	44								
		3	Often	237	23	2,232	23	2,014	23	6,362	23								
		4	Very often	120	12	1,006	10	1,068	12	3,163	12								
		Total		1,001	100	9,283	100	8,552	100	27,098	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	465	46	4,204	46	4,271	51	13,154	49	<b>1.8</b>	1.8	.02	1.7 **	.10	1.8 *	.07	
		2	Sometimes	315	33	3,134	34	2,680	31	8,565	32								
		3	Often	146	15	1,351	15	1,077	12	3,671	13								
		4	Very often	70	7	562	6	494	6	1,611	6								
		Total		996	100	9,251	100	8,522	100	27,001	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	320	32	2,584	28	2,845	34	8,811	33	<b>2.0</b>	2.1	-.05	1.9 *	.07	2.0	.04
		2	Sometimes	433	43	4,212	46	3,720	43	11,620	43							
		3	Often	169	18	1,787	20	1,385	16	4,704	17							
		4	Very often	67	7	620	7	495	6	1,695	7							
		Total		989	100	9,203	100	8,445	100	26,830	100							
d. Discussed your academic performance with a faculty member	SFperform	1	Never	256	25	2,424	27	2,377	29	7,293	27	<b>2.1</b>	2.1	.07	2.0 **	.11	2.1 *	.08
		2	Sometimes	458	46	4,302	47	3,959	46	12,519	47							
		3	Often	208	22	1,873	20	1,590	18	5,211	19							
		4	Very often	74	8	601	7	521	6	1,798	7							
		Total		996	100	9,200	100	8,447	100	26,821	100							
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																		
a. Memorizing course material	memorize	1	Very little	29	3	286	3	242	3	828	3	<b>2.9</b>	2.9	-.03	3.0 **	-.11	2.9 **	-.09
		2	Some	279	29	2,465	27	2,034	24	6,795	25							
		3	Quite a bit	448	45	4,290	47	3,986	47	12,370	46							
		4	Very much	233	22	2,135	23	2,168	26	6,750	26							
		Total		989	100	9,176	100	8,430	100	26,743	100							
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	30	3	184	2	219	3	739	3	<b>2.9</b>	3.0 ***	-.19	3.0 ***	-.12	3.0 **	-.11
		2	Some	253	27	1,818	20	1,876	23	6,004	23							
		3	Quite a bit	461	47	4,534	49	4,086	48	12,907	48							
		4	Very much	239	23	2,626	28	2,229	26	7,038	26							
		Total		983	100	9,162	100	8,410	100	26,688	100							
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	35	4	218	2	271	3	864	3	<b>2.9</b>	3.0 *	-.08	2.9	-.05	2.9	-.04
		2	Some	248	26	2,230	25	2,060	24	6,634	25							
		3	Quite a bit	451	47	4,287	47	3,944	47	12,399	46							
		4	Very much	236	24	2,391	26	2,099	25	6,679	25							
		Total		970	100	9,126	100	8,374	100	26,576	100							
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	51	6	455	5	386	5	1,194	5	<b>2.8</b>	2.8	.02	2.9	-.03	2.8	-.01
		2	Some	256	27	2,616	29	2,250	27	7,331	28							
		3	Quite a bit	433	44	4,075	45	3,794	45	12,028	45							
		4	Very much	231	23	1,974	21	1,930	23	5,980	22							
		Total		971	100	9,120	100	8,360	100	26,533	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	40	5	387	4	378	5	1,141	5	<b>2.9</b>	2.8	.02	2.8	.02	2.8	.03
		2	Some	247	25	2,529	28	2,258	28	7,255	28							
		3	Quite a bit	465	49	4,199	46	3,846	45	12,187	45							
		4	Very much	216	21	1,992	22	1,859	22	5,907	22							
		Total		968	100	9,107	100	8,341	100	26,490	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	24	3	138	2	150	2	461	2	<b>3.0</b>	3.0 *	-0.09	3.1 **	-0.10	3.1 **	-0.10
		2	Some	214	22	1,790	20	1,682	20	5,259	20							
		3	Quite a bit	472	49	4,566	50	4,039	48	12,876	48							
		4	Very much	254	26	2,578	28	2,451	30	7,830	30							
		Total		964	100	9,072	100	8,322	100	26,426	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	35	4	179	2	182	2	614	3	<b>3.0</b>	3.0 *	-0.09	3.0 **	-0.10	3.0 **	-0.09
		2	Some	209	22	1,855	20	1,731	21	5,475	21							
		3	Quite a bit	474	49	4,612	51	4,082	48	12,932	48							
		4	Very much	243	25	2,422	26	2,316	29	7,369	28							
		Total		961	100	9,068	100	8,311	100	26,390	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	32	4	219	3	219	3	699	3	<b>3.0</b>	3.0	-0.03	3.0	-0.04	3.0	-0.03
		2	Some	217	23	1,863	21	1,775	22	5,674	22							
		3	Quite a bit	418	42	4,323	48	3,864	46	12,171	45							
		4	Very much	289	31	2,650	29	2,437	30	7,813	30							
		Total		956	100	9,055	100	8,295	100	26,357	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	51	6	916	10	761	9	2,338	9	<b>2.9</b>	2.6 ***	.25	2.7 ***	.17	2.7 ***	.17
		2	Some	265	27	3,065	34	2,673	32	8,450	32							
		3	Quite a bit	401	42	3,364	37	3,073	37	9,924	37							
		4	Very much	240	25	1,712	19	1,790	22	5,629	22							
		Total		957	100	9,057	100	8,297	100	26,341	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	75	8	838	9	863	10	2,609	10	<b>2.7</b>	2.6 **	.10	2.6 **	.10	2.6 *	.08
		2	Some	325	33	3,242	36	2,991	36	9,237	35							
		3	Quite a bit	378	39	3,531	39	3,043	37	9,893	38							
		4	Very much	179	20	1,426	16	1,366	17	4,509	18							
		Total		957	100	9,037	100	8,263	100	26,248	100							

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	93	10	793	9	791	9	2,511	9	<b>2.6</b>	2.6	.01	2.6	.02	2.6	.02	
		2	Sometimes	330	34	3,160	35	2,966	36	9,313	35								
		3	Often	351	38	3,653	41	3,149	38	10,273	39								
		4	Very often	163	18	1,412	16	1,330	17	4,077	17								
		Total		937	100	9,018	100	8,236	100	26,174	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	178	18	1,652	18	1,588	19	5,030	19	<b>2.4</b>	2.4	.01	2.3	.06	2.3	.04	
		2	Sometimes	370	40	3,512	39	3,437	41	10,447	40								
		3	Often	272	30	2,817	31	2,337	28	7,785	29								
		4	Very often	116	13	1,014	12	853	11	2,858	11								
		Total		936	100	8,995	100	8,215	100	26,120	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	150	15	1,256	14	1,344	17	4,218	16	<b>2.4</b>	2.4	-.05	2.3	.03	2.4	.01	
		2	Sometimes	401	43	3,721	41	3,554	42	10,929	41								
		3	Often	285	31	3,058	34	2,513	31	8,389	32								
		4	Very often	98	11	952	11	791	10	2,587	10								
		Total		934	100	8,987	100	8,202	100	26,123	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	27	3	493	6	443	6	1,519	7	<b>7.9</b>	6.7 ***	.20	6.1 ***	.32	6.3 ***	.29	
		1.5	1-2	140	14	1,716	20	1,628	21	5,158	21								
		4	3-5	280	31	2,669	31	2,527	34	7,941	33								
		8	6-10	249	26	1,930	23	1,719	22	5,457	22								
		13	11-15	107	12	930	11	706	9	2,337	10								
		18	16-20	58	7	370	4	283	4	985	4								
		23	More than 20	72	7	384	5	285	4	1,031	4								
		Total		933	100	8,492	100	7,591	100	24,428	100								
b. Between 6 and 10 pages	wrmednum <i>(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	235	26	2,999	35	2,797	37	8,826	37	<b>2.8</b>	2.4 ***	.12	2.1 ***	.24	2.2 ***	.21	
		1.5	1-2	369	40	3,217	38	2,904	38	9,201	37								
		4	3-5	200	21	1,393	17	1,264	17	4,129	17								
		8	6-10	87	9	546	6	420	6	1,495	6								
		13	11-15	24	2	220	3	121	2	453	2								
		18	16-20	10	1	37	0	33	0	106	0								
		23	More than 20	6	1	57	1	29	0	129	1								
Total		931	100	8,469	100	7,568	100	24,339	100										

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	692	74	6,416	75	5,842	77	18,157	75	<b>1.1</b>	1.0	.03	.8 *	.11	.9	.07	
	(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	155	16	1,395	16	1,224	16	4,365	17								
		4	3-5	41	5	281	3	263	4	878	4								
		8	6-10	18	2	180	2	115	2	489	2								
		13	11-15	15	2	120	2	70	1	275	1								
		18	16-20	5	1	27	0	20	0	69	0								
		23	More than 20	6	1	46	1	28	0	112	0								
	Total			932	100	8,465	100	7,562	100	24,345	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>61.8</b>	53.5 **	.11	46.8 ***	.23	49.2 ***	.18	
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	38	5	205	2	202	3	729	3	<b>3.1</b>	3.1	-.01	3.2 *	-.08	3.1	-.04	
		2	Sometimes	195	21	2,034	24	1,577	21	5,247	22								
		3	Often	326	34	2,965	35	2,520	33	8,301	34								
		4	Very often	374	40	3,253	38	3,262	43	10,045	41								
			Total	933	100	8,457	100	7,561	100	24,322	100								
b. People from an economic background other than your own	DDeconomic	1	Never	36	4	218	3	205	3	783	3	<b>3.0</b>	3.1	-.04	3.1 **	-.10	3.1	-.05	
		2	Sometimes	218	23	1,898	23	1,491	20	5,209	22								
		3	Often	346	36	3,301	39	2,852	37	9,233	37								
		4	Very often	332	36	3,030	35	2,992	40	9,059	37								
			Total	932	100	8,447	100	7,540	100	24,284	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	43	5	291	4	266	4	1,007	4	<b>3.0</b>	3.1	-.05	3.1 **	-.10	3.1	-.05	
		2	Sometimes	237	25	1,983	23	1,608	22	5,561	23								
		3	Often	307	32	3,051	36	2,599	34	8,446	34								
		4	Very often	346	37	3,111	37	3,075	40	9,268	38								
			Total	933	100	8,436	100	7,548	100	24,282	100								
d. People with political views other than your own	DDpolitical	1	Never	54	6	324	4	311	4	1,109	5	<b>2.9</b>	3.0	-.06	3.1 ***	-.15	3.0 **	-.10	
		2	Sometimes	282	29	2,448	29	1,893	24	6,597	27								
		3	Often	295	31	2,777	33	2,471	33	8,004	33								
		4	Very often	299	33	2,900	34	2,874	39	8,581	36								
			Total	930	100	8,449	100	7,549	100	24,291	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>9. During the current school year, about how often have you done the following?</b>																		
a. Identified key information from reading assignments	LSreading	1	Never	16	2	136	2	123	2	434	2	<b>3.0</b>	3.0	-.07	3.0 *	-.09	3.0	-.04
		2	Sometimes	217	25	1,749	22	1,502	21	5,176	22							
		3	Often	437	47	4,177	49	3,782	50	12,038	49							
		4	Very often	247	26	2,342	27	2,093	27	6,517	26							
			Total	917	100	8,404	100	7,500	100	24,165	100							
b. Reviewed your notes after class	LSnotes	1	Never	43	5	426	5	365	5	1,099	5	<b>2.8</b>	2.8	.03	2.9	-.03	2.9	-.03
		2	Sometimes	282	31	2,707	33	2,352	32	7,449	32							
		3	Often	352	39	3,035	36	2,660	35	8,773	36							
		4	Very often	239	25	2,223	25	2,122	28	6,824	28							
			Total	916	100	8,391	100	7,499	100	24,145	100							
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	74	8	488	6	492	7	1,419	6	<b>2.7</b>	2.8	-.04	2.8	-.04	2.8	-.05
		2	Sometimes	282	31	2,732	33	2,395	32	7,638	32							
		3	Often	363	41	3,307	40	2,931	39	9,546	39							
		4	Very often	194	20	1,854	21	1,662	22	5,488	22							
			Total	913	100	8,381	100	7,480	100	24,091	100							
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																		
	challenge	1	Not at all	12	2	72	1	63	1	247	1	<b>5.3</b>	5.4	-.06	5.4 **	-.11	5.3	-.04
		2		13	2	80	1	78	1	306	1							
		3		40	5	375	5	288	4	1,207	5							
		4		109	12	951	12	844	12	2,934	12							
		5		345	38	2,867	34	2,519	34	8,326	34							
		6		201	22	2,344	28	2,021	27	6,181	26							
		7	Very much	188	20	1,672	19	1,637	21	4,817	20							
			Total	908	100	8,361	100	7,450	100	24,018	100							
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																		
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern		Have not decided	97	12	714	9	682	9	2,303	10	<b>7%</b>	9%	-.05	9%	-.07	8%	-.04
	(Means indicate the percentage who responded "Done or in progress.")		Do not plan to do	33	4	379	5	286	4	1,030	5							
			Plan to do	703	77	6,542	78	5,848	78	18,729	77							
			Done or in progress	70	7	715	9	630	9	1,948	8							
			Total	903	100	8,350	100	7,446	100	24,010	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	222	25	1,744	21	1,776	24	5,707	24	<b>9%</b>	14% ***	-.14	12% *	-.08	12% *	-.08	
			Do not plan to do	180	21	1,509	19	1,406	20	4,899	21								
			Plan to do	408	45	3,974	47	3,385	45	10,620	43								
			Done or in progress	88	9	1,111	14	864	12	2,727	12								
			Total	898	100	8,338	100	7,431	100	23,953	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	316	33	2,034	25	2,012	28	6,305	27	<b>10%</b>	17% ***	-.21	15% ***	-.16	18% ***	-.23	
			Do not plan to do	209	24	2,741	33	2,431	33	6,996	30								
			Plan to do	284	33	2,080	26	1,721	24	6,169	26								
			Done or in progress	90	10	1,465	17	1,250	15	4,428	18								
			Total	899	100	8,320	100	7,414	100	23,898	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	213	24	1,745	21	1,864	25	5,862	25	<b>4%</b>	4%	-.02	4%	.00	4%	-.01	
			Do not plan to do	175	21	1,596	20	1,694	24	5,600	25								
			Plan to do	481	51	4,660	55	3,609	47	11,630	47								
			Done or in progress	32	4	315	4	249	4	812	4								
			Total	901	100	8,316	100	7,416	100	23,904	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	274	30	2,612	31	2,551	35	8,033	34	<b>5%</b>	6%	-.05	6%	-.03	5%	.00	
			Do not plan to do	188	21	1,593	19	1,485	21	4,983	21								
			Plan to do	387	44	3,592	44	2,939	39	9,630	40								
			Done or in progress	47	5	513	6	429	6	1,230	5								
			Total	896	100	8,310	100	7,404	100	23,876	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>		Have not decided	274	31	2,541	30	2,412	34	7,662	32	<b>2%</b>	2%	-.04	2%	-.02	2%	-.05	
			Do not plan to do	94	11	814	10	706	11	2,533	11								
			Plan to do	519	57	4,793	58	4,148	54	13,159	54								
			Done or in progress	13	2	162	2	127	2	497	2								
			Total	900	100	8,310	100	7,393	100	23,851	100								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																			
	servcourse	1	None	454	49	4,622	55	4,255	58	12,476	52	<b>1.6</b>	1.5 **	.11	1.5 ***	.20	1.6 *	.08	
			2	Some	376	42	3,074	37	2,721	36	9,639								41
			3	Most	50	6	485	6	317	5	1,361								6
			4	All	17	2	105	1	73	1	293								1
			Total	897	100	8,286	100	7,366	100	23,769	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
<b>a. Students</b>																			
	QIstudent	1	Poor	18	2	95	1	113	2	377	2	<b>5.2</b>							
		2		26	3	154	2	138	2	497	2								
		3		59	7	419	5	339	5	1,258	5								
		4		142	16	1,007	12	893	12	3,024	13								
		5		247	29	2,374	29	2,032	27	6,486	27								
		6		209	23	2,313	28	2,057	28	6,387	27								
		7	Excellent	188	21	1,895	23	1,768	25	5,656	24								
		—	Not applicable	4	1	34	0	32	0	111	1								
			Total	893	100	8,291	100	7,372	100	23,796	100								
<b>b. Academic advisors</b>																			
	QIadvisor	1	Poor	23	3	223	3	183	2	747	3	<b>5.3</b>							
		2		34	4	338	4	312	4	1,076	4								
		3		64	7	590	7	534	7	1,785	7								
		4		130	15	1,234	15	1,070	14	3,448	14								
		5		178	20	1,830	22	1,552	21	5,091	21								
		6		210	24	1,901	23	1,631	22	5,078	21								
		7	Excellent	236	26	2,016	24	1,994	28	6,065	27								
		—	Not applicable	18	2	148	2	98	1	490	2								
			Total	893	100	8,280	100	7,374	100	23,780	100								
<b>c. Faculty</b>																			
	QIfaculty	1	Poor	16	2	101	1	115	2	424	2	<b>5.1</b>							
		2		27	3	195	2	194	3	673	3								
		3		57	6	504	6	447	6	1,540	6								
		4		143	15	1,222	15	1,175	15	3,687	15								
		5		239	27	2,394	29	2,032	27	6,707	28								
		6		247	28	2,348	28	1,965	27	6,225	26								
		7	Excellent	150	17	1,426	17	1,344	20	4,224	19								
		—	Not applicable	10	1	73	1	74	1	253	1								
			Total	889	100	8,263	100	7,346	100	23,733	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	36	4	232	3	227	3	808	4	<b>4.9</b>	5.0	-.04	5.1 *	-.10	5.0	-.05	
		2		39	5	290	3	242	3	898	4								
		3		65	7	621	8	547	7	1,831	8								
		4		129	15	1,355	16	1,090	14	3,641	15								
		5		169	18	2,069	25	1,723	23	5,474	23								
		6		180	20	1,867	22	1,567	21	4,993	21								
		7	Excellent	158	18	1,346	16	1,334	19	4,106	18								
		—	Not applicable	114	13	489	6	625	9	1,967	9								
	Total	890	100	8,269	100	7,355	100	23,718	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	37	4	237	3	264	4	956	4	<b>4.8</b>	4.9	-.05	4.9	-.06	4.9	-.02	
		2		44	5	314	4	315	4	1,128	5								
		3		70	7	647	8	623	8	2,093	9								
		4		161	19	1,347	16	1,223	16	3,941	16								
		5		193	21	1,973	24	1,624	22	5,329	22								
		6		157	18	1,614	19	1,331	18	4,371	18								
		7	Excellent	135	15	1,157	14	1,137	17	3,520	16								
		—	Not applicable	96	11	977	12	841	11	2,409	10								
	Total	893	100	8,266	100	7,358	100	23,747	100										
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	17	2	109	1	91	1	348	2	<b>3.1</b>	3.1 *	-.08	3.2 ***	-.15	3.1	-.06	
		2	Some	165	19	1,385	18	1,027	15	4,106	18								
		3	Quite a bit	432	50	3,862	48	3,480	49	11,395	49								
		4	Very much	269	29	2,729	33	2,533	35	7,255	32								
			Total	883	100	8,085	100	7,131	100	23,104	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	26	3	200	3	189	3	658	3	<b>3.0</b>	3.0	.04	3.1	-.04	3.0	.02	
		2	Some	176	21	1,707	22	1,327	19	4,749	21								
		3	Quite a bit	401	45	3,824	47	3,327	46	10,701	46								
		4	Very much	280	31	2,321	28	2,262	32	6,878	30								
			Total	883	100	8,052	100	7,105	100	22,986	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	24	3	387	5	361	5	1,307	6	<b>3.2</b>	3.0 ***	.22	3.1 **	.10	3.0 ***	.17	
		2	Some	130	15	1,705	21	1,188	17	4,382	19								
		3	Quite a bit	391	45	3,463	43	2,901	40	9,538	41								
		4	Very much	338	38	2,502	30	2,646	37	7,766	34								
			Total	883	100	8,057	100	7,096	100	22,993	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	121	14	698	8	581	9	1,880	9	<b>2.6</b>	2.8 ***	-0.18	2.8 ***	-0.21	2.8 ***	-0.20
		2	Some	260	30	2,295	28	1,853	27	6,155	27							
		3	Quite a bit	310	35	3,011	38	2,585	36	8,609	37							
		4	Very much	186	21	2,050	25	2,068	28	6,323	27							
		Total		877	100	8,054	100	7,087	100	22,967	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	47	6	318	4	242	3	974	5	<b>3.0</b>	3.0	-0.02	3.1 ***	-0.14	3.0	-0.06
		2	Some	192	23	1,779	23	1,428	20	4,903	22							
		3	Quite a bit	375	42	3,570	45	3,004	42	9,816	42							
		4	Very much	264	29	2,375	29	2,402	34	7,251	31							
		Total		878	100	8,042	100	7,076	100	22,944	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	56	6	330	4	308	4	1,055	5	<b>3.0</b>	3.0	-0.01	3.1	-0.07	3.0	-0.02
		2	Some	179	21	1,735	22	1,360	19	4,681	21							
		3	Quite a bit	352	39	3,454	43	3,000	42	9,750	42							
		4	Very much	290	34	2,511	31	2,399	35	7,423	32							
		Total		877	100	8,030	100	7,067	100	22,909	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	210	24	1,690	21	1,348	19	4,334	20	<b>2.3</b>	2.3	.00	2.4 *	-0.08	2.4	-0.07
		2	Some	312	35	3,155	39	2,729	39	8,619	38							
		3	Quite a bit	229	26	2,266	29	1,958	27	6,730	29							
		4	Very much	122	14	921	11	1,020	15	3,224	14							
		Total		873	100	8,032	100	7,055	100	22,907	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	60	7	437	6	348	5	1,391	6	<b>2.8</b>	2.9	-0.03	3.0 ***	-0.18	2.9 *	-0.07
		2	Some	225	26	2,079	26	1,558	22	5,627	24							
		3	Quite a bit	368	41	3,481	43	2,970	41	9,595	41							
		4	Very much	225	25	2,025	25	2,181	32	6,276	28							
		Total		878	100	8,022	100	7,057	100	22,889	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	170	19	870	11	800	12	2,692	12	<b>2.4</b>	2.6 ***	-0.21	2.6 ***	-0.25	2.6 ***	-0.20
		2	Some	331	37	2,931	37	2,368	34	7,869	35							
		3	Quite a bit	252	29	2,926	37	2,525	35	8,225	35							
		4	Very much	125	15	1,288	16	1,355	19	4,092	18							
		Total		878	100	8,015	100	7,048	100	22,878	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

				Your first-year students compared with														
				Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	5	1	29	0	16	0	94	0	<b>15.8</b>	16.3	-.05	15.6	.03	15.3	.06
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	72	8	608	8	606	9	2,248	10							
	8	6-10 hrs	169	20	1,456	18	1,443	22	4,789	21								
	13	11-15 hrs	203	23	1,789	23	1,537	22	5,195	22								
	18	16-20 hrs	183	22	1,785	22	1,517	21	4,753	21								
	23	21-25 hrs	110	12	1,128	14	940	13	2,933	12								
	28	26-30 hrs	67	7	630	8	490	7	1,415	6								
	33	More than 30 hrs	63	7	575	7	486	7	1,418	6								
	Total			872	100	8,000	100	7,035	100	22,845	100							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	278	33	1,571	20	1,874	28	6,133	28	<b>5.7</b>	6.6 *** ▽	-.14	5.8	-.02	5.8	-.02
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	287	32	3,069	37	2,559	35	8,278	35							
	8	6-10 hrs	147	17	1,644	20	1,321	19	4,107	18								
	13	11-15 hrs	69	8	834	11	632	9	2,128	9								
	18	16-20 hrs	46	5	448	6	328	5	1,160	5								
	23	21-25 hrs	27	3	256	3	174	3	592	3								
	28	26-30 hrs	8	1	75	1	65	1	160	1								
33	More than 30 hrs	9	1	88	1	71	1	240	1									
	Total			871	100	7,985	100	7,024	100	22,798	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	677	79	5,946	75	5,539	80	18,051	80	<b>2.8</b>	3.0	-.03	2.5	.05	2.5	.05
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	25	3	270	3	200	3	614	2							
	8	6-10 hrs	52	6	689	8	488	6	1,427	6								
	13	11-15 hrs	52	6	643	8	429	6	1,454	6								
	18	16-20 hrs	27	3	263	3	251	4	777	3								
	23	21-25 hrs	21	3	132	2	78	1	345	1								
	28	26-30 hrs	3	0	34	0	23	0	74	0								
33	More than 30 hrs	5	1	22	0	25	0	94	0									
	Total			862	100	7,999	100	7,033	100	22,836	100							

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

### Frequency Distributions<sup>a</sup>

### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	647	74	6,225	78	5,275	74	16,698	73	<b>4.1</b>	2.9 *** △	.18	4.0	.02	4.3	-.02
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	43	5	353	4	309	4	939	4							
		8	6-10 hrs	38	4	394	5	304	4	1,106	5							
		13	11-15 hrs	33	4	385	5	336	5	1,227	5							
		18	16-20 hrs	44	5	330	4	342	5	1,208	5							
		23	21-25 hrs	33	4	199	2	232	3	809	3							
		28	26-30 hrs	13	1	65	1	118	2	376	2							
		33	More than 30 hrs	15	2	56	1	122	2	467	2							
	Total			866	100	8,007	100	7,038	100	22,830	100							
Estimated number of hours working for pay	tmworkhrs											<b>6.7</b>	5.9 * △	.09	6.5	.03	6.7	.00
	(Continuous variable created by NSSE)																	
e. Doing community service or volunteer work	tmservicehrs	0	0 hrs	506	59	4,688	60	3,904	56	13,055	57	<b>2.5</b>	2.3	.04	2.4	.02	2.5	.00
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	250	28	2,466	29	2,343	32	7,012	31							
		8	6-10 hrs	67	8	408	5	431	6	1,381	6							
		13	11-15 hrs	20	2	192	2	187	3	673	3							
		18	16-20 hrs	11	1	131	2	82	1	351	2							
		23	21-25 hrs	11	1	78	1	56	1	219	1							
		28	26-30 hrs	0	0	12	0	12	0	43	0							
		33	More than 30 hrs	4	1	19	0	16	0	68	0							
	Total			869	100	7,994	100	7,031	100	22,802	100							
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	13	2	79	1	75	1	309	2	<b>12.3</b>	13.2 ** ▽	-.11	13.1 *	-.09	13.1 *	-.09
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	187	20	1,285	16	1,212	17	3,814	17							
		8	6-10 hrs	243	27	2,215	27	2,002	28	6,259	27							
		13	11-15 hrs	192	23	1,853	23	1,558	22	5,127	22							
		18	16-20 hrs	114	14	1,243	16	1,039	15	3,467	15							
		23	21-25 hrs	51	6	598	8	461	7	1,610	7							
		28	26-30 hrs	19	2	265	3	208	3	702	3							
		33	More than 30 hrs	51	7	455	6	460	7	1,504	7							
	Total			870	100	7,993	100	7,015	100	22,792	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
g. Providing care for dependents (children, parents, etc.)	tmcarehrs	0	0 hrs	684	78	6,867	85	5,952	84	18,725	82	<b>1.8</b>	1.4 *	.08	1.5	.07	1.8	.00
	(Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	96	11	470	6	524	8	1,786	8							
	8	6-10 hrs	35	4	237	3	202	3	840	4								
	13	11-15 hrs	18	3	165	2	139	2	603	3								
	18	16-20 hrs	14	2	130	2	85	1	347	2								
	23	21-25 hrs	6	1	68	1	48	1	206	1								
	28	26-30 hrs	1	0	16	0	11	0	53	0								
	33	More than 30 hrs	8	1	25	0	46	1	202	1								
	Total			862	100	7,978	100	7,007	100	22,762	100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs	0	0 hrs	280	32	2,932	38	2,413	32	8,658	36	<b>4.9</b>	3.8 ***	.21	4.3 **	.10	4.2 **	.12
	(Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	329	37	3,434	41	2,972	43	8,747	39							
	8	6-10 hrs	152	18	950	12	969	15	3,058	14								
	13	11-15 hrs	60	7	346	4	354	5	1,209	5								
	18	16-20 hrs	16	2	164	2	134	2	519	2								
	23	21-25 hrs	11	1	101	1	77	1	282	1								
	28	26-30 hrs	7	1	26	0	28	0	81	0								
	33	More than 30 hrs	14	2	50	1	74	1	241	1								
	Total			869	100	8,003	100	7,021	100	22,795	100							
<b>16. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?</b>																		
reading		1	Very little	116	14	973	13	1,067	17	3,313	16	<b>2.6</b>	2.7 ***	-.12	2.6	.01	2.6	-.01
		2	Some	325	38	2,697	34	2,476	36	8,051	36							
		3	About half	244	29	2,215	28	1,895	26	6,222	27							
		4	Most	145	16	1,559	19	1,199	17	3,891	16							
		5	Almost all	38	4	544	6	378	5	1,299	5							
		Total			868	100	7,988	100	7,015	100	22,776							
	tmreadinghrs										<b>6.5</b>	7.1 *	-.09	6.5	.02	6.3	.04	
	(Continuous variable created by NSSE. Calculated as a proportion of tmrephrs based on reading, where Very little=.10; Some=.25; About half=.50; Most=.75; Almost all=.90)																	

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
	tmreadinghrscol	1	0 hrs	5	1	29	0	16	0	93	0								
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	426	51	3,551	46	3,441	52	11,522	52								
		3	More than 5, up to 10 hrs	264	29	2,583	32	2,102	29	6,774	29								
		4	More than 10, up to 15 hrs	90	11	931	11	747	10	2,291	10								
		5	More than 15, up to 20 hrs	42	4	474	6	361	5	1,126	5								
		6	More than 20, up to 25 hrs	31	3	295	3	251	3	681	3								
		7	More than 25 hrs	8	1	96	1	72	1	209	1								
			Total		866	100	7,959	100	6,990	100	22,696	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	70	8	835	11	646	10	1,971	9	<b>2.8</b>	2.6 ***	.20	2.7 **	.09	2.7 **	.11							
		2	Some	227	26	2,600	33	2,104	30	6,914	31								Δ			Δ		Δ	
		3	Quite a bit	381	44	3,207	40	2,885	40	9,418	41														
		4	Very much	189	22	1,318	16	1,348	20	4,395	19														
		Total		867	100	7,960	100	6,983	100	22,698	100														
b. Speaking clearly and effectively	pgspeak	1	Very little	138	16	1,085	14	997	14	2,978	13	<b>2.5</b>	2.5	.02	2.6	-.03	2.6	-.05							
		2	Some	282	32	2,775	35	2,322	32	7,476	33														
		3	Quite a bit	292	34	2,842	36	2,464	35	8,242	36														
		4	Very much	151	18	1,248	15	1,202	18	3,988	18														
		Total		863	100	7,950	100	6,985	100	22,684	100														
c. Thinking critically and analytically	pgthink	1	Very little	31	4	225	3	234	4	737	4	<b>3.0</b>	3.1	-.06	3.1	-.05	3.1	-.03							
		2	Some	173	20	1,441	19	1,313	19	4,355	20														
		3	Quite a bit	394	45	3,641	45	3,107	43	10,317	45														
		4	Very much	268	31	2,649	33	2,331	34	7,271	32														
		Total		866	100	7,956	100	6,985	100	22,680	100														
d. Analyzing numerical and statistical information	pganalyze	1	Very little	105	11	854	11	771	11	2,369	10	<b>2.7</b>	2.8	-.06	2.7	-.03	2.7	-.05							
		2	Some	258	29	2,249	28	2,027	29	6,528	29														
		3	Quite a bit	325	38	2,969	38	2,619	37	8,660	38														
		4	Very much	179	22	1,886	24	1,567	23	5,128	23														
		Total		867	100	7,958	100	6,984	100	22,685	100														

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your first-year students compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	143	17	1,077	14	1,081	15	3,201	14	<b>2.5</b>	2.6	-.06	2.5	-.02	2.6	-.06
		2	Some	287	32	2,661	33	2,399	34	7,460	33							
		3	Quite a bit	284	33	2,753	35	2,303	33	7,839	34							
		4	Very much	152	18	1,463	19	1,208	18	4,186	19							
		Total		866	100	7,954	100	6,991	100	22,686	100							
f. Working effectively with others	pgothers	1	Very little	60	8	492	7	444	7	1,513	7	<b>2.8</b>	2.8	.04	2.8	.04	2.8	.03
		2	Some	228	26	2,315	30	2,076	30	6,490	29							
		3	Quite a bit	372	42	3,329	41	2,862	41	9,401	41							
		4	Very much	203	24	1,809	22	1,601	23	5,259	23							
		Total		863	100	7,945	100	6,983	100	22,663	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	124	15	946	12	846	13	2,650	13	<b>2.6</b>	2.6	-.02	2.7	-.05	2.7	-.05
		2	Some	241	27	2,392	30	2,067	29	6,652	29							
		3	Quite a bit	346	40	3,043	38	2,579	36	8,628	37							
		4	Very much	152	19	1,570	19	1,491	22	4,736	21							
		Total		863	100	7,951	100	6,983	100	22,666	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	96	12	686	9	577	9	1,904	9	<b>2.7</b>	2.8 **	-.10	2.8 ***	-.14	2.8 ***	-.12
		2	Some	259	30	2,167	28	1,799	26	5,982	27							
		3	Quite a bit	314	35	3,136	39	2,692	38	8,853	38							
		4	Very much	197	23	1,962	24	1,910	27	5,925	26							
		Total		866	100	7,951	100	6,978	100	22,664	100							
i. Solving complex real- world problems	pgprobsolve	1	Very little	109	13	749	10	746	11	2,347	11	<b>2.6</b>	2.7 *	-.08	2.7	-.04	2.7	-.04
		2	Some	262	30	2,570	32	2,306	33	7,322	32							
		3	Quite a bit	340	39	2,980	37	2,541	36	8,473	37							
		4	Very much	154	18	1,648	21	1,385	20	4,515	20							
		Total		865	100	7,947	100	6,978	100	22,657	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	131	16	788	10	685	11	2,294	11	<b>2.5</b>	2.7 ***	-.16	2.7 ***	-.19	2.7 ***	-.17
		2	Some	298	34	2,470	32	2,099	30	6,838	31							
		3	Quite a bit	286	33	3,059	38	2,616	37	8,634	37							
		4	Very much	153	18	1,615	20	1,565	23	4,840	21							
		Total		868	100	7,932	100	6,965	100	22,606	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### First-Year Students

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	19	3	137	2	108	2	407	2	<b>3.1</b>	3.2 **	-10	3.3 ***	-22	3.2 ***	-12	
		2	Fair	115	14	956	13	704	10	2,676	12								
		3	Good	463	53	3,892	49	3,374	47	11,089	48								
		4	Excellent	273	31	2,970	36	2,802	42	8,498	38								
			Total	870	100	7,955	100	6,988	100	22,670	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	37	4	216	3	176	3	669	3	<b>3.2</b>	3.3 ***	-12	3.3 ***	-23	3.3 ***	-14	
		2	Probably no	122	14	872	11	677	10	2,494	11								
		3	Probably yes	377	44	3,314	43	2,821	40	9,537	41								
		4	Definitely yes	338	38	3,552	43	3,326	48	10,011	44								
			Total	874	100	7,954	100	7,000	100	22,711	100								
<b>20. Do you intend to return to this institution next year?<sup>f</sup></b>																			
	returnexp		No	44	5	<i>Results suppressed due to insufficient number of 2018 institutions.</i>				55	4	234	4	<b>88%</b>	<i>Results suppressed due to insufficient number of 2018 institutions.</i>	91% **	-13	90% *	-09
			Yes	774	88	1,460	91	5,632	90										
			Not sure	57	8	71	5	341	6										
			Total	875	100	1,586	100	6,207	100										

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>1. During the current school year, about how often have you done the following?</b>																		
a. Asked questions or contributed to course discussions in other ways	askquest	1	Never	45	3	339	4	508	4	1,513	4	<b>3.0</b>	2.9 ** △	.10	2.9	.04	2.9	.05
		2	Sometimes	391	29	3,255	33	4,052	31	12,474	31							
		3	Often	418	33	3,211	32	4,042	31	12,706	31							
		4	Very often	461	35	3,157	31	4,360	34	13,487	34							
		Total		1,315	100	9,962	100	12,962	100	40,180	100							
b. Prepared two or more drafts of a paper or assignment before turning it in	drafts	1	Never	290	22	2,605	26	3,119	24	9,394	24	<b>2.4</b>	2.2 *** △	.14	2.3	.02	2.3	.04
		2	Sometimes	479	37	3,728	37	4,612	35	14,406	36							
		3	Often	322	25	2,322	24	3,113	24	9,894	25							
		4	Very often	209	17	1,243	13	2,015	17	6,225	16							
		Total		1,300	100	9,898	100	12,859	100	39,919	100							
c. Come to class without completing readings or assignments	unpreparedr <i>(Reverse-coded version of unprepared created by NSSE.)</i>	1	Very often	95	7	876	9	1,072	8	3,134	8	<b>2.8</b>	2.8 ** △	.10	2.9	-.03	2.9	-.04
		2	Often	247	19	2,042	21	2,263	17	7,064	18							
		3	Sometimes	734	56	5,443	54	6,953	53	21,338	53							
		4	Never	227	18	1,546	16	2,577	21	8,395	21							
		Total		1,303	100	9,907	100	12,865	100	39,931	100							
d. Attended an art exhibit, play, or other arts performance (dance, music, etc.)	attendart	1	Never	555	44	3,579	36	5,771	45	18,332	46	<b>1.8</b>	1.9 *** ▽	-.12	1.8	.01	1.8	.03
		2	Sometimes	490	37	4,249	43	4,747	37	14,612	37							
		3	Often	163	13	1,373	14	1,471	11	4,444	11							
		4	Very often	87	6	686	7	846	7	2,482	6							
		Total		1,295	100	9,887	100	12,835	100	39,870	100							
e. Asked another student to help you understand course material	CLaskhelp	1	Never	139	12	813	9	1,504	12	5,044	13	<b>2.6</b>	2.6	-.04	2.5 *	.06	2.5 **	.09
		2	Sometimes	487	38	3,872	40	5,138	41	16,089	41							
		3	Often	411	31	3,292	33	3,990	31	12,138	30							
		4	Very often	262	19	1,897	19	2,196	17	6,555	16							
		Total		1,299	100	9,874	100	12,828	100	39,826	100							
f. Explained course material to one or more students	CLexplain	1	Never	48	4	271	3	593	5	2,315	6	<b>2.9</b>	2.9	-.01	2.8 *	.08	2.8 ***	.11
		2	Sometimes	392	31	3,137	32	4,243	33	13,307	33							
		3	Often	528	39	4,078	41	5,117	40	15,450	39							
		4	Very often	332	26	2,389	25	2,850	23	8,703	22							
		Total		1,300	100	9,875	100	12,803	100	39,775	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

				Your seniors compared with															
				Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers	Carnegie > 20k				
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1	Never	172	14	1,197	12	1,923	15	6,455	17	<b>2.6</b>	2.6	.02	2.6	.04	2.5 ***	.10	
		2	Sometimes	414	32	3,462	35	4,290	33	13,357	34								
		3	Often	404	31	3,042	31	3,744	29	11,725	29								
		4	Very often	310	23	2,139	21	2,794	22	8,091	21								
		Total		1,300	100	9,840	100	12,751	100	39,628	100								
h. Worked with other students on course projects or assignments	CLproject	1	Never	79	6	412	4	706	6	2,859	8	<b>2.9</b>	3.0	-.06	2.9	-.02	2.9	.04	
		2	Sometimes	345	27	2,650	27	3,633	28	10,995	28								
		3	Often	469	36	3,686	37	4,583	36	14,214	36								
		4	Very often	399	30	3,069	31	3,789	31	11,467	29								
		Total		1,292	100	9,817	100	12,711	100	39,535	100								
i. Given a course presentation	present	1	Never	134	11	884	9	1,493	12	4,761	12	<b>2.7</b>	2.7	.00	2.6	.05	2.6	.05	
		2	Sometimes	434	34	3,576	37	4,585	35	13,456	34								
		3	Often	398	30	3,148	32	3,949	31	12,470	31								
		4	Very often	324	25	2,198	23	2,684	22	8,844	22								
		Total		1,290	100	9,806	100	12,711	100	39,531	100								
<b>2. During the current school year, about how often have you done the following?</b>																			
a. Combined ideas from different courses when completing assignments	RIintegrate	1	Never	39	3	265	3	411	3	1,440	4	<b>3.0</b>	2.9	.03	3.0	.00	2.9	.05	
		2	Sometimes	319	25	2,596	27	3,334	26	10,799	28								
		3	Often	556	43	4,281	43	5,284	41	16,475	41								
		4	Very often	370	28	2,610	27	3,579	29	10,525	27								
		Total		1,284	100	9,752	100	12,608	100	39,239	100								
b. Connected your learning to societal problems or issues	RIsocietal	1	Never	104	10	785	9	992	8	3,217	9	<b>2.7</b>	2.7	.01	2.8	-.05	2.7	.00	
		2	Sometimes	395	32	3,287	35	4,043	32	12,975	34								
		3	Often	484	37	3,431	35	4,437	35	13,843	35								
		4	Very often	299	22	2,219	22	3,089	25	9,077	23								
		Total		1,282	100	9,722	100	12,561	100	39,112	100								
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIDiverse	1	Never	185	16	1,477	16	1,903	16	5,971	17	<b>2.5</b>	2.5	-.01	2.6 **	-.08	2.5	-.03	
		2	Sometimes	449	37	3,473	36	4,213	34	13,507	35								
		3	Often	406	31	2,884	29	3,750	30	11,728	30								
		4	Very often	232	16	1,831	18	2,637	21	7,700	19								
		Total		1,272	100	9,665	100	12,503	100	38,906	100								

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

				Your seniors compared with															
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Examined the strengths and weaknesses of your own views on a topic or issue	RIownview	1	Never	79	7	486	5	614	5	1,979	5	2.7	2.8	-.04	2.8 **	-.09	2.8 *	-.06	
		2	Sometimes	392	31	3,043	31	3,715	30	11,831	31								
		3	Often	548	44	4,175	44	5,357	43	16,682	43								
		4	Very often	245	19	1,925	20	2,738	22	8,230	21								
		Total		1,264	100	9,629	100	12,424	100	38,722	100								
e. Tried to better understand someone else's views by imagining how an issue looks from their perspective	RIperspect	1	Never	55	5	301	3	382	3	1,235	4	2.9	2.9	-.03	3.0 ***	-.10	2.9 *	-.06	
		2	Sometimes	310	25	2,511	26	2,938	24	9,576	25								
		3	Often	581	46	4,299	44	5,499	44	17,248	45								
		4	Very often	312	24	2,461	26	3,496	29	10,393	27								
		Total		1,258	100	9,572	100	12,315	100	38,452	100								
f. Learned something that changed the way you understand an issue or concept	RInewview	1	Never	35	3	175	2	256	2	823	2	2.9	3.0	-.05	3.0 *	-.08	2.9	-.04	
		2	Sometimes	324	27	2,469	26	3,128	26	10,146	27								
		3	Often	574	46	4,421	46	5,521	45	17,354	45								
		4	Very often	316	24	2,434	26	3,305	27	9,884	26								
		Total		1,249	100	9,499	100	12,210	100	38,207	100								
g. Connected ideas from your courses to your prior experiences and knowledge	RIconnect	1	Never	20	2	103	1	109	1	406	1	3.2	3.1 *	.06	3.2	.00	3.2	.05	
		2	Sometimes	173	14	1,521	17	1,847	15	6,394	17								
		3	Often	575	46	4,591	48	5,760	47	17,988	47								
		4	Very often	467	37	3,247	34	4,426	37	13,209	35								
		Total		1,235	100	9,462	100	12,142	100	37,997	100								
<b>3. During the current school year, about how often have you done the following?</b>																			
a. Talked about career plans with a faculty member	SFcareer	1	Never	190	16	1,660	18	2,372	20	7,416	20	2.5	2.3 ***	.12	2.4 **	.09	2.4 ***	.10	
		2	Sometimes	508	41	4,186	44	4,993	40	15,541	41								
		3	Often	307	24	2,188	23	2,835	23	8,912	23								
		4	Very often	234	19	1,433	15	1,953	17	6,171	16								
		Total		1,239	100	9,467	100	12,153	100	38,040	100								
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	428	35	3,702	39	5,341	44	16,475	44	2.1	2.0 ***	.12	1.9 ***	.19	1.9 ***	.19	
		2	Sometimes	405	33	3,234	34	3,843	31	11,956	31								
		3	Often	244	20	1,556	17	1,725	15	5,751	15								
		4	Very often	156	12	961	10	1,197	10	3,756	10								
		Total		1,233	100	9,453	100	12,106	100	37,938	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k				
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>			
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	297	24	2,182	23	3,434	28	10,842	29	<b>2.2</b>	2.2 *	.07	2.1 ***	.13	2.1 ***	.15			
		2	Sometimes	501	41	4,417	47	5,248	43	16,040	42								Δ	Δ	Δ
		3	Often	286	23	1,981	21	2,244	19	7,347	20										
		4	Very often	142	12	836	9	1,122	10	3,524	9										
		Total		1,226	100	9,416	100	12,048	100	37,753	100										
d. Discussed your academic performance with a faculty member	SFperform	1	Never	289	23	2,578	27	3,270	27	9,812	26	<b>2.2</b>	2.1 ***	.16	2.1 ***	.12	2.1 ***	.10			
		2	Sometimes	539	44	4,444	47	5,543	45	17,241	45								Δ	Δ	Δ
		3	Often	271	23	1,709	18	2,272	20	7,493	20										
		4	Very often	123	10	674	7	954	8	3,191	8										
		Total		1,222	100	9,405	100	12,039	100	37,737	100										
<b>4. During the current school year, how much has your coursework emphasized the following?</b>																					
a. Memorizing course material	memorize	1	Very little	74	6	663	7	795	7	2,668	7	<b>2.8</b>	2.7 ***	.11	2.8	.04	2.8 **	.07			
		2	Some	334	28	3,017	32	3,603	30	11,382	30								Δ	Δ	Δ
		3	Quite a bit	521	43	3,799	41	4,809	40	15,115	40										
		4	Very much	294	23	1,909	20	2,821	23	8,503	22										
		Total		1,223	100	9,388	100	12,028	100	37,668	100										
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	36	3	259	3	381	3	1,149	3	<b>3.1</b>	3.1	.00	3.1	-.01	3.1	.01			
		2	Some	228	19	1,739	19	2,279	19	7,349	20								Δ	Δ	Δ
		3	Quite a bit	550	45	4,274	45	5,228	43	16,648	44										
		4	Very much	402	33	3,088	33	4,104	35	12,420	33										
		Total		1,216	100	9,360	100	11,992	100	37,566	100										
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	49	4	346	4	456	4	1,378	4	<b>3.0</b>	3.0	.01	3.0	-.02	3.0	.00			
		2	Some	258	22	2,074	22	2,621	22	8,298	22								Δ	Δ	Δ
		3	Quite a bit	521	43	4,018	43	4,962	41	15,875	42										
		4	Very much	382	31	2,898	31	3,896	33	11,867	32										
		Total		1,210	100	9,336	100	11,935	100	37,418	100										
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	91	8	794	9	934	8	2,692	8	<b>2.8</b>	2.8 *	.08	2.8	-.02	2.8	.00			
		2	Some	302	25	2,661	28	3,115	26	9,740	26								Δ	Δ	Δ
		3	Quite a bit	515	43	3,737	40	4,712	39	15,197	40										
		4	Very much	300	24	2,136	23	3,154	27	9,723	26										
		Total		1,208	100	9,328	100	11,915	100	37,352	100										

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	68	6	509	6	654	6	1,926	6	<b>2.9</b>	2.9	.05	2.9	-.01	2.9	.00
		2	Some	291	24	2,553	27	3,064	26	9,547	26							
		3	Quite a bit	529	44	3,984	42	4,976	41	15,964	42							
		4	Very much	310	26	2,252	24	3,183	27	9,830	26							
		Total		1,198	100	9,298	100	11,877	100	37,267	100							
<b>5. During the current school year, to what extent have your instructors done the following?</b>																		
a. Clearly explained course goals and requirements	ETgoals	1	Very little	33	3	171	2	261	2	774	2	<b>3.1</b>	3.1	.00	3.2 **	-.10	3.1 *	-.07
		2	Some	214	18	1,697	18	2,005	17	6,579	18							
		3	Quite a bit	575	47	4,586	50	5,440	45	16,947	45							
		4	Very much	372	32	2,824	30	4,144	36	12,847	35							
		Total		1,194	100	9,278	100	11,850	100	37,147	100							
b. Taught course sessions in an organized way	ETorganize	1	Very little	43	4	214	3	371	3	1,160	3	<b>3.0</b>	3.0	-.05	3.1 ***	-.12	3.1 **	-.09
		2	Some	254	22	1,841	20	2,241	18	7,204	19							
		3	Quite a bit	570	47	4,646	49	5,481	45	17,159	46							
		4	Very much	325	27	2,569	28	3,742	33	11,615	32							
		Total		1,192	100	9,270	100	11,835	100	37,138	100							
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	29	3	226	3	405	4	1,183	3	<b>3.1</b>	3.1	-.01	3.1	-.04	3.1	-.01
		2	Some	226	20	1,799	20	2,238	18	7,401	20							
		3	Quite a bit	543	45	4,178	45	5,063	42	15,942	43							
		4	Very much	391	32	3,053	33	4,118	36	12,541	34							
		Total		1,189	100	9,256	100	11,824	100	37,067	100							
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	140	11	1,286	14	1,450	12	4,501	13	<b>2.7</b>	2.5 ***	.13	2.7	.00	2.6	.01
		2	Some	379	32	3,234	35	3,838	32	11,811	32							
		3	Quite a bit	420	36	3,089	33	3,888	33	12,615	34							
		4	Very much	250	21	1,641	18	2,639	23	8,121	22							
		Total		1,189	100	9,250	100	11,815	100	37,048	100							
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	111	9	845	10	1,111	9	3,346	9	<b>2.7</b>	2.6 **	.08	2.7	-.02	2.7	-.02
		2	Some	376	31	3,257	36	3,823	32	11,807	31							
		3	Quite a bit	480	41	3,584	38	4,450	37	14,152	38							
		4	Very much	221	19	1,544	17	2,391	21	7,614	21							
		Total		1,188	100	9,230	100	11,775	100	36,919	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>6. During the current school year, about how often have you done the following?</b>																			
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	111	9	818	8	1,264	10	3,764	10	<b>2.7</b>	2.7 *	-0.06	2.7	-0.03	2.7	-0.01	
		2	Sometimes	400	32	2,970	32	3,783	31	12,037	32								
		3	Often	460	40	3,328	37	4,125	36	13,309	36								
		4	Very often	213	19	2,095	23	2,556	23	7,725	22								
			Total	1,184	100	9,211	100	11,728	100	36,835	100								
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	QRproblem	1	Never	201	16	1,605	17	2,246	19	6,876	19	<b>2.5</b>	2.4	.04	2.4	.05	2.4 *	.07	
		2	Sometimes	425	35	3,438	37	4,311	36	13,569	36								
		3	Often	373	33	2,684	29	3,270	28	10,561	29								
		4	Very often	181	16	1,478	16	1,889	17	5,762	16								
			Total	1,180	100	9,205	100	11,716	100	36,768	100								
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	173	14	1,099	12	1,776	15	5,531	15	<b>2.5</b>	2.5	-0.04	2.5	.04	2.5	.05	
		2	Sometimes	438	36	3,502	38	4,495	38	14,057	38								
		3	Often	392	34	3,139	34	3,734	32	11,912	32								
		4	Very often	175	16	1,469	16	1,728	15	5,289	15								
			Total	1,178	100	9,209	100	11,733	100	36,789	100								
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum	0	None	84	7	561	7	858	8	2,605	8	<b>7.6</b>	7.4	.04	7.2 *	.06	7.0 **	.09	
	(Recoded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	215	18	1,619	19	2,091	19	6,741	20								
		4	3-5	331	28	2,455	28	3,025	28	9,957	29								
		8	6-10	253	21	1,969	23	2,345	21	7,482	21								
		13	11-15	116	9	970	11	1,112	10	3,519	10								
		18	16-20	61	5	468	5	605	5	1,776	5								
		23	More than 20	117	10	671	8	849	8	2,525	7								
			Total	1,177	100	8,713	100	10,885	100	34,605	100								
b. Between 6 and 10 pages	wrmednum	0	None	318	28	1,989	23	2,824	26	9,169	27	<b>3.5</b>	3.4	.03	3.2	.05	3.2	.05	
	(Recoded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	371	31	3,164	36	3,841	35	11,824	34								
		4	3-5	269	23	2,106	24	2,441	22	7,783	22								
		8	6-10	133	11	911	11	1,071	10	3,573	10								
		13	11-15	48	4	314	4	372	4	1,208	3								
		18	16-20	13	1	102	1	146	1	445	1								
		23	More than 20	20	2	103	1	141	1	470	1								
			Total	1,172	100	8,689	100	10,836	100	34,472	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

				Your seniors compared with															
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
c. 11 pages or more	wrlongnum	0	None	595	50	4,057	46	5,313	48	17,118	50	<b>1.9</b>	1.9	.00	1.8	.03	1.8	.03	
	(Recoded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)	1.5	1-2	380	32	3,090	35	3,758	35	11,411	33								
		4	3-5	108	9	903	11	1,024	9	3,432	10								
		8	6-10	52	5	359	4	397	4	1,328	4								
		13	11-15	19	2	152	2	177	2	620	2								
		18	16-20	2	0	57	1	74	1	239	1								
		23	More than 20	20	2	85	1	116	1	374	1								
		Total		1,176	100	8,703	100	10,859	100	34,522	100								
Estimated number of assigned pages of student writing.	wrpages		(Continuous variable, recoded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)									<b>79.5</b>	77.4	.02	74.5	.05	74.1	.06	
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																			
a. People of a race or ethnicity other than your own	DDrace	1	Never	49	5	289	3	450	5	1,380	4	<b>3.1</b>	3.1	.04	3.2	-.03	3.2	-.02	
		2	Sometimes	227	20	2,235	24	2,247	21	7,047	21								
		3	Often	384	32	2,773	32	3,177	29	10,619	30								
		4	Very often	517	43	3,411	41	4,976	45	15,500	45								
			Total	1,177	100	8,708	100	10,850	100	34,546	100								
b. People from an economic background other than your own	DDeconomic	1	Never	47	5	275	3	421	4	1,333	4	<b>3.1</b>	3.1	.00	3.1	-.05	3.1	-.05	
		2	Sometimes	253	22	2,169	24	2,298	21	7,182	21								
		3	Often	430	35	3,159	36	3,718	34	12,158	35								
		4	Very often	447	38	3,094	37	4,401	41	13,794	40								
			Total	1,177	100	8,697	100	10,838	100	34,467	100								
c. People with religious beliefs other than your own	DDreligion	1	Never	72	7	336	4	501	5	1,591	5	<b>3.0</b>	3.1	-.05	3.1 **	-.09	3.1 *	-.07	
		2	Sometimes	263	23	2,149	24	2,323	22	7,621	22								
		3	Often	392	33	3,087	35	3,558	33	11,450	33								
		4	Very often	452	38	3,126	37	4,451	41	13,793	40								
			Total	1,179	100	8,698	100	10,833	100	34,455	100								
d. People with political views other than your own	DDpolitical	1	Never	75	7	453	5	581	5	1,823	5	<b>2.9</b>	2.9	.01	3.0 ***	-.11	3.0 ***	-.10	
		2	Sometimes	335	29	2,944	33	2,972	26	9,435	27								
		3	Often	390	33	2,575	30	3,241	31	10,721	31								
		4	Very often	378	32	2,733	32	4,051	38	12,514	37								
			Total	1,178	100	8,705	100	10,845	100	34,493	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
										<i>Your seniors compared with</i>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LSreading	1	Never	31	3	249	3	281	3	954	3	<b>3.1</b>	3.0	.05	3.1	.00	3.1	.02	
		2	Sometimes	225	20	1,776	21	2,165	20	6,774	20								
		3	Often	513	44	3,868	44	4,583	42	14,966	43								
		4	Very often	403	34	2,768	32	3,746	35	11,615	34								
		Total		1,172	100	8,661	100	10,775	100	34,309	100								
b. Reviewed your notes after class	LSnotes	1	Never	93	8	888	10	919	9	2,790	8	<b>2.8</b>	2.6 ***	.16	2.8	.00	2.8	.01	
		2	Sometimes	376	32	3,239	37	3,500	32	10,864	32								
		3	Often	388	33	2,658	31	3,347	31	11,292	33								
		4	Very often	314	27	1,880	22	3,006	28	9,376	27								
		Total		1,171	100	8,665	100	10,772	100	34,322	100								
c. Summarized what you learned in class or from course materials	LSsummary	1	Never	90	7	747	9	881	8	2,604	8	<b>2.8</b>	2.7 ***	.12	2.8	-.01	2.8	.01	
		2	Sometimes	366	32	3,043	35	3,341	31	10,491	31								
		3	Often	425	37	3,090	36	3,783	35	12,568	36								
		4	Very often	290	24	1,765	20	2,737	26	8,588	25								
		Total		1,171	100	8,645	100	10,742	100	34,251	100								
<b>10. During the current school year, to what extent have your courses challenged you to do your best work?</b>																			
challenge		1	Not at all	9	1	100	1	126	1	446	1	<b>5.4</b>	5.3 *	.08	5.5	-.04	5.4	-.01	
		2		20	2	141	2	184	2	608	2								
		3		56	5	438	5	491	5	1,743	5								
		4		143	13	1,053	13	1,180	11	4,036	12								
		5		375	31	2,961	34	3,265	30	10,368	30								
		6		283	24	2,310	26	2,710	25	8,395	24								
		7	Very much	274	24	1,626	19	2,732	26	8,510	25								
		Total		1,160	100	8,629	100	10,688	100	34,106	100								
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																			
a. Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	(Means indicate the percentage who responded "Done or in progress.")	Have not decided	80	7	558	7	926	9	2,916	9	<b>58%</b>	59%	.00	51% ***	.15	50% ***	.16	
			Do not plan to do	133	12	1,231	14	1,587	15	5,203	16								
			Plan to do	238	22	1,741	20	2,720	25	8,468	25								
			Done or in progress	710	58	5,113	59	5,471	51	17,570	50								
			Total		1,161	100	8,643	100	10,704	100	34,157								100

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

			Your seniors compared with															
			Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
b. Hold a formal leadership role in a student organization or group	leader <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	109	10	598	7	1,153	11	3,698	11	<b>42%</b>	47% **	-0.10	38% *	.08	36% ***	.12	
		Do not plan to do	444	39	3,274	38	4,503	43	14,908	44								
		Plan to do	98	9	610	8	844	8	3,009	9								
		Done or in progress	507	42	4,151	47	4,189	38	12,484	36								
		Total	1,158	100	8,633	100	10,689	100	34,099	100								
c. Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	140	13	695	9	1,245	12	4,058	12	<b>25%</b>	25%	.00	22% *	.07	24%	.04	
		Do not plan to do	599	52	5,109	59	6,107	57	18,506	55								
		Plan to do	104	10	584	7	836	8	3,199	9								
		Done or in progress	309	25	2,227	25	2,442	22	8,190	24								
		Total	1,152	100	8,615	100	10,630	100	33,953	100								
d. Participate in a study abroad program	abroad <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	132	12	552	7	1,119	11	3,738	11	<b>16%</b>	26% ***	-0.23	16%	-0.01	16%	.01	
		Do not plan to do	720	63	5,216	61	6,914	65	22,249	65								
		Plan to do	98	9	554	7	823	7	2,689	8								
		Done or in progress	207	16	2,300	26	1,804	16	5,360	16								
		Total	1,157	100	8,622	100	10,660	100	34,036	100								
e. Work with a faculty member on a research project	research <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	126	11	801	10	1,513	14	4,800	14	<b>32%</b>	33%	-0.03	26% ***	.14	24% ***	.19	
		Do not plan to do	500	42	3,925	45	4,972	47	16,709	49								
		Plan to do	155	14	968	12	1,387	13	4,443	13								
		Done or in progress	376	32	2,924	33	2,778	26	8,052	24								
		Total	1,157	100	8,618	100	10,650	100	34,004	100								
f. Complete a culminating senior experience (capstone course, senior project or thesis, comprehensive exam, portfolio, etc.)	capstone <i>(Means indicate the percentage who responded "Done or in progress.")</i>	Have not decided	118	11	625	8	892	9	3,011	9	<b>35%</b>	43% ***	-0.16	44% ***	-0.19	41% ***	-0.12	
		Do not plan to do	395	34	2,377	28	2,321	24	8,538	25								
		Plan to do	230	21	1,805	21	2,541	23	8,338	25								
		Done or in progress	409	35	3,802	43	4,886	44	14,080	41								
		Total	1,152	100	8,609	100	10,640	100	33,967	100								
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																		
servcourse	1	None	459	41	4,197	50	5,131	48	15,457	46	<b>1.7</b>	1.6 ***	.20	1.6 ***	.15	1.6 ***	.12	
		2	Some	559	47	3,826	44	4,684	44	15,230								45
		3	Most	107	9	467	5	658	6	2,573								7
		4	All	25	2	98	1	156	2	592								2
		Total	1,150	100	8,588	100	10,629	100	33,852	100								

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

				Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Your seniors compared with					
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																			
a. Students	QIstudent	1	Poor	13	1	100	1	126	1	458	1	<b>5.4</b>	5.4	.00	5.6 ***	-0.13	5.5 *	-0.07	
		2		26	3	141	2	176	2	583	2								
		3		51	5	387	5	422	4	1,509	4								
		4		144	12	1,014	12	1,157	11	3,888	11								
		5		328	28	2,453	29	2,704	25	8,553	25								
		6		312	27	2,571	29	3,020	28	9,210	27								
		7	Excellent	272	24	1,914	22	2,958	29	9,297	28								
		—	Not applicable	9	1	31	0	72	1	475	1								
			Total	1,155	100	8,611	100	10,635	100	33,973	100								
b. Academic advisors	QIadvisor	1	Poor	34	3	461	6	528	5	1,923	6	<b>5.3</b>	4.9 ***	.21	5.0 ***	.13	5.0 ***	.15	
		2		65	5	525	6	625	6	2,097	6								
		3		94	8	773	9	897	8	3,077	9								
		4		139	12	1,314	15	1,535	14	5,025	14								
		5		242	21	1,819	21	2,207	20	6,633	19								
		6		230	20	1,727	20	2,002	19	6,154	18								
		7	Excellent	341	30	1,860	22	2,729	27	8,517	27								
		—	Not applicable	9	1	117	1	98	1	506	1								
			Total	1,154	100	8,596	100	10,621	100	33,932	100								
c. Faculty	QIfaculty	1	Poor	21	2	115	2	172	2	594	2	<b>5.3</b>	5.3	.01	5.4 *	-0.06	5.3	-0.03	
		2		31	3	186	2	294	3	895	3								
		3		73	6	475	6	607	6	2,036	6								
		4		143	13	1,166	14	1,392	13	4,645	13								
		5		300	25	2,541	29	2,757	25	8,744	25								
		6		347	30	2,542	29	2,913	27	9,090	27								
		7	Excellent	231	20	1,525	18	2,392	25	7,580	23								
		—	Not applicable	8	1	36	0	80	1	289	1								
			Total	1,154	100	8,586	100	10,607	100	33,873	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>							
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Student services staff (career services, student activities, housing, etc.)	QIstaff	1	Poor	44	3	293	4	460	5	1,472	5	<b>4.8</b>	4.8	.04	4.9	-.07	4.8	.00	
		2		56	5	408	5	439	4	1,591	5								
		3		86	8	751	9	779	7	2,702	8								
		4		175	15	1,423	17	1,487	14	5,006	14								
		5		247	21	2,051	23	2,156	19	6,773	19								
		6		195	17	1,614	18	1,874	18	5,627	17								
		7	Excellent	153	14	1,095	13	1,711	18	5,085	16								
		—	Not applicable	199	17	945	11	1,684	16	5,587	17								
	Total	1,155	100	8,580	100	10,590	100	33,843	100										
e. Other administrative staff and offices (registrar, financial aid, etc.)	QIadmin	1	Poor	58	5	339	4	549	5	1,855	6	<b>4.7</b>	4.7	.02	4.8	-.04	4.7	.01	
		2		62	5	441	5	589	5	1,980	6								
		3		112	10	752	9	946	9	3,228	9								
		4		225	19	1,568	18	1,735	16	5,837	17								
		5		260	22	2,025	23	2,350	22	7,434	22								
		6		196	17	1,536	18	1,837	17	5,724	17								
		7	Excellent	157	15	937	11	1,560	16	4,679	15								
		—	Not applicable	86	8	994	11	1,059	9	3,173	9								
	Total	1,156	100	8,592	100	10,625	100	33,910	100										
<b>14. How much does your institution emphasize the following?</b>																			
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	32	3	130	2	168	2	600	2	<b>3.1</b>	3.2 ***	-0.18	3.2 ***	-0.15	3.1 **	-0.09	
		2	Some	221	19	1,391	17	1,655	17	5,923	18								
		3	Quite a bit	555	49	3,649	43	4,617	45	15,285	46								
		4	Very much	345	30	3,261	39	3,856	37	11,392	34								
			Total	1,153	100	8,431	100	10,296	100	33,200	100								
b. Providing support to help students succeed academically	SEacademic	1	Very little	58	5	420	5	512	5	1,665	5	<b>2.9</b>	2.8	.05	2.9	-.04	2.9	.00	
		2	Some	288	25	2,290	28	2,537	24	8,474	26								
		3	Quite a bit	527	46	3,908	46	4,547	44	14,694	44								
		4	Very much	276	24	1,801	22	2,668	27	8,227	25								
			Total	1,149	100	8,419	100	10,264	100	33,060	100								
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	86	7	721	9	864	9	3,273	10	<b>2.8</b>	2.7 ***	.14	2.8	.00	2.8 *	.07	
		2	Some	314	28	2,591	31	2,571	26	8,921	28								
		3	Quite a bit	439	38	3,372	39	4,084	39	12,702	38								
		4	Very much	313	26	1,727	20	2,750	27	8,184	25								
			Total	1,152	100	8,411	100	10,269	100	33,080	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Your seniors compared with						
				Count	%	Count	%	Count	%	Count	%	Arizona Mean	Selected AAUDE Peers Mean	Effect size <sup>e</sup>	Selected UA Peers Mean	Effect size <sup>e</sup>	Carnegie > 20k Mean	Effect size <sup>e</sup>
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	195	16	1,420	17	1,456	15	4,551	15	<b>2.5</b>	2.5	.02	2.7 ***	-.11	2.6 **	-.10
		2	Some	370	32	2,857	33	3,066	30	9,895	30							
		3	Quite a bit	369	32	2,656	32	3,260	31	10,926	32							
		4	Very much	216	19	1,469	18	2,461	24	7,634	23							
		Total		1,150	100	8,402	100	10,243	100	33,006	100							
e. Providing opportunities to be involved socially	SEsocial	1	Very little	91	9	597	8	695	7	2,458	8	<b>2.8</b>	2.8	.04	2.9 **	-.10	2.8	-.02
		2	Some	282	25	2,422	29	2,500	24	8,463	26							
		3	Quite a bit	487	42	3,493	41	4,110	40	13,205	39							
		4	Very much	288	25	1,885	23	2,944	29	8,888	27							
		Total		1,148	100	8,397	100	10,249	100	33,014	100							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	103	9	731	9	888	9	3,101	10	<b>2.8</b>	2.8	.06	2.9	-.05	2.8	.03
		2	Some	284	24	2,280	27	2,496	24	8,384	26							
		3	Quite a bit	468	41	3,462	41	3,909	38	12,601	38							
		4	Very much	295	26	1,915	23	2,936	29	8,849	27							
		Total		1,150	100	8,388	100	10,229	100	32,935	100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	418	36	3,012	35	3,415	33	10,655	33	<b>2.0</b>	2.0	.06	2.1	-.06	2.1	-.05
		2	Some	387	34	3,299	39	3,800	37	11,961	36							
		3	Quite a bit	246	22	1,504	18	2,008	20	6,897	20							
		4	Very much	94	8	563	7	992	10	3,403	10							
		Total		1,145	100	8,378	100	10,215	100	32,916	100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	124	11	794	9	1,119	11	4,223	13	<b>2.7</b>	2.7	-.02	2.8 *	-.08	2.7	.02
		2	Some	340	30	2,560	30	2,818	27	9,505	28							
		3	Quite a bit	439	38	3,305	39	3,762	36	11,943	36							
		4	Very much	244	21	1,714	21	2,515	26	7,219	23							
		Total		1,147	100	8,373	100	10,214	100	32,890	100							
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	245	21	1,327	16	1,679	17	5,898	19	<b>2.3</b>	2.4 ***	-.13	2.5 ***	-.18	2.4 ***	-.12
		2	Some	473	40	3,389	40	3,823	37	12,199	37							
		3	Quite a bit	306	27	2,631	31	3,134	30	10,068	30							
		4	Very much	122	11	1,023	12	1,558	16	4,693	14							
		Total		1,146	100	8,370	100	10,194	100	32,858	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

		Your seniors compared with																
		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
<b>15. About how many hours do you spend in a typical 7-day week doing the following?</b>																		
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs	0	0 hrs	6	1	24	0	41	0	171	1	<b>15.5</b>	16.5 ***	-0.11	15.4	.02	15.3	.03
	(Recorded version of tmprep created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	146	13	808	10	1,226	13	4,133	13							
	8	6-10 hrs	242	21	1,581	19	2,219	23	7,324	22								
	13	11-15 hrs	224	20	1,688	20	2,028	20	6,630	20								
	18	16-20 hrs	205	18	1,610	19	1,829	17	5,951	18								
	23	21-25 hrs	141	12	1,121	13	1,207	11	3,579	11								
	28	26-30 hrs	75	7	619	7	652	6	2,059	6								
	33	More than 30 hrs	104	9	912	11	994	10	3,009	9								
	Total			1,143	100	8,363	100	10,196	100	32,856	100							
b. Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0	0 hrs	369	33	2,181	27	3,759	38	12,449	39	<b>5.7</b>	6.3 **	-0.09	5.1 *	.07	5.1 **	.08
	(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	365	31	2,914	34	3,199	30	9,873	29							
	8	6-10 hrs	199	17	1,587	19	1,542	15	4,832	15								
	13	11-15 hrs	103	9	777	9	807	8	2,641	8								
	18	16-20 hrs	52	5	455	6	445	4	1,561	5								
	23	21-25 hrs	29	3	248	3	206	2	726	2								
	28	26-30 hrs	11	1	68	1	78	1	270	1								
	33	More than 30 hrs	15	1	120	2	132	1	424	1								
	Total			1,143	100	8,350	100	10,168	100	32,776	100							
c. Working for pay on campus	tmworkonhrs	0	0 hrs	709	63	4,839	59	7,112	72	23,484	73	<b>5.5</b>	5.2	.05	4.0 ***	.20	3.7 ***	.24
	(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	38	3	492	6	355	3	1,169	4							
	8	6-10 hrs	99	8	1,070	12	809	7	2,481	7								
	13	11-15 hrs	108	9	903	10	732	7	2,199	6								
	18	16-20 hrs	101	9	648	8	669	6	1,998	6								
	23	21-25 hrs	55	4	254	3	264	2	787	2								
	28	26-30 hrs	7	1	98	1	94	1	275	1								
	33	More than 30 hrs	24	3	56	1	124	1	396	1								
	Total			1,141	100	8,360	100	10,159	100	32,789	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

				Your seniors compared with															
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
d. Working for pay off campus	tmworkoffhrs	0	0 hrs	602	53	4,706	58	4,886	48	14,528	45	<b>8.8</b>	6.6 *** △	.22	10.8 *** ▽	-.16	11.4 *** ▽	-.21	
	(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	58	5	501	6	454	4	1,529	5								
	8	6-10 hrs	75	6	700	8	665	6	2,127	6									
	13	11-15 hrs	98	8	773	9	745	7	2,426	7									
	18	16-20 hrs	95	8	686	8	911	9	3,121	9									
	23	21-25 hrs	75	6	433	5	685	7	2,525	7									
	28	26-30 hrs	44	4	188	2	513	5	1,742	5									
	33	More than 30 hrs	94	9	372	5	1,315	14	4,833	15									
	Total		1,141	100	8,359	100	10,174	100	32,831	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	451	41	4,339	53	4,975	49	16,549	51	<b>3.8</b>	2.7 *** △	.21	3.1 *** △	.13	3.1 *** △	.14	
	(Recorded version of tmservice created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	461	39	2,930	33	3,615	35	10,889	33								
	8	6-10 hrs	112	9	570	7	858	9	2,746	8									
	13	11-15 hrs	55	5	233	3	323	3	1,142	3									
	18	16-20 hrs	30	3	130	2	201	2	703	2									
	23	21-25 hrs	16	1	79	1	76	1	322	1									
	28	26-30 hrs	3	0	23	0	40	0	152	0									
33	More than 30 hrs	15	1	40	1	80	1	277	1										
Total		1,143	100	8,344	100	10,168	100	32,780	100										
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs	0	0 hrs	29	3	121	2	280	3	943	3	<b>10.5</b>	12.4 *** ▽	-.23	11.4 *** ▽	-.11	11.3 ** ▽	-.09	
	(Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	314	27	1,552	19	2,408	24	7,936	24								
	8	6-10 hrs	347	30	2,461	29	2,928	28	9,318	28									
	13	11-15 hrs	202	17	1,872	22	2,012	20	6,423	19									
	18	16-20 hrs	129	12	1,176	14	1,230	12	4,020	12									
	23	21-25 hrs	57	5	524	6	561	6	1,722	5									
	28	26-30 hrs	14	1	201	3	217	2	743	2									
33	More than 30 hrs	43	4	452	6	529	6	1,685	5										
Total		1,135	100	8,359	100	10,165	100	32,790	100										

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Statistical Comparisons <sup>b</sup>							
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
	tmreadinghrscol	1	0 hrs	6	1	24	0	41	0	170	1								
	<i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	2	More than zero, up to 5 hrs	567	50	3,941	49	5,014	51	16,381	51								
		3	More than 5, up to 10 hrs	322	28	2,566	30	2,943	29	9,355	29								
		4	More than 10, up to 15 hrs	127	11	875	10	986	9	3,072	9								
		5	More than 15, up to 20 hrs	56	5	499	6	607	6	1,890	6								
		6	More than 20, up to 25 hrs	41	4	287	3	362	3	1,173	4								
		7	More than 25 hrs	20	2	121	1	171	2	577	2								
		Total			1,139	100	8,313	100	10,124	100	32,618	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	73	7	604	8	666	7	2,124	7	<b>3.0</b>	2.8 *** Δ	.12	3.0	-.02	2.9	.02
		2	Some	250	22	2,223	27	2,386	23	7,782	23							
		3	Quite a bit	452	39	3,213	39	3,806	37	12,673	38							
		4	Very much	361	32	2,293	27	3,269	34	10,102	31							
		Total		1,136	100	8,333	100	10,127	100	32,681	100							
b. Speaking clearly and effectively	pgspeak	1	Very little	86	8	772	10	905	9	2,774	9	<b>2.9</b>	2.8 *** Δ	.13	2.9	.01	2.9	.04
		2	Some	262	23	2,364	28	2,628	25	8,354	25							
		3	Quite a bit	451	39	3,082	37	3,577	35	12,108	37							
		4	Very much	342	30	2,116	25	3,025	32	9,481	29							
		Total		1,141	100	8,334	100	10,135	100	32,717	100							
c. Thinking critically and analytically	pgthink	1	Very little	32	3	161	2	263	3	824	3	<b>3.3</b>	3.3	-.04	3.3	-.05	3.3	.01
		2	Some	140	13	944	12	1,206	12	4,281	13							
		3	Quite a bit	415	36	3,072	37	3,662	35	12,411	37							
		4	Very much	552	48	4,152	49	5,007	50	15,193	47							
		Total		1,139	100	8,329	100	10,138	100	32,709	100							
d. Analyzing numerical and statistical information	pganalyze	1	Very little	112	9	633	7	878	8	2,770	8	<b>3.0</b>	3.0	-.06	3.0	-.03	3.0	.00
		2	Some	267	23	1,883	22	2,352	22	7,786	23							
		3	Quite a bit	372	32	2,736	33	3,296	32	11,046	33							
		4	Very much	389	36	3,073	38	3,602	37	11,073	35							
		Total		1,140	100	8,325	100	10,128	100	32,675	100							

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



# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

#### Frequency Distributions<sup>a</sup>

#### Statistical Comparisons<sup>b</sup>

*Your seniors compared with*

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions <sup>a</sup>								Statistical Comparisons <sup>b</sup>						
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona	Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	128	11	800	10	1,034	10	3,074	10	<b>2.8</b>	2.8	-.02	2.9	-.03	2.9	-.05
		2	Some	291	26	2,225	27	2,620	25	8,086	25							
		3	Quite a bit	364	31	2,748	32	3,333	32	11,076	33							
		4	Very much	357	31	2,554	31	3,143	32	10,459	32							
		Total		1,140	100	8,327	100	10,130	100	32,695	100							
f. Working effectively with others	pgothers	1	Very little	60	6	339	4	524	5	1,673	6	<b>3.0</b>	3.0	.01	3.1	-.04	3.0	.00
		2	Some	237	22	1,915	23	2,175	21	7,009	22							
		3	Quite a bit	439	38	3,319	40	3,878	38	12,653	38							
		4	Very much	401	35	2,747	33	3,548	36	11,350	35							
		Total		1,137	100	8,320	100	10,125	100	32,685	100							
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	140	13	1,111	14	1,293	13	3,856	13	<b>2.7</b>	2.7 *	.07	2.8	-.05	2.8	-.03
		2	Some	290	26	2,402	29	2,612	25	8,396	26							
		3	Quite a bit	411	34	2,759	33	3,282	32	11,115	33							
		4	Very much	299	26	2,045	24	2,931	30	9,290	28							
		Total		1,140	100	8,317	100	10,118	100	32,657	100							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	120	11	893	11	983	10	3,055	10	<b>2.8</b>	2.7	.01	2.9 ***	-.12	2.8 **	-.09
		2	Some	310	29	2,483	30	2,563	25	8,333	26							
		3	Quite a bit	403	34	2,811	33	3,386	33	11,215	34							
		4	Very much	303	26	2,123	26	3,173	32	10,033	30							
		Total		1,136	100	8,310	100	10,105	100	32,636	100							
i. Solving complex real- world problems	pgprobsolve	1	Very little	100	9	705	9	958	10	2,958	10	<b>2.8</b>	2.8	.01	2.8	-.01	2.8	.00
		2	Some	306	27	2,327	28	2,694	26	8,734	27							
		3	Quite a bit	412	35	2,988	36	3,560	35	11,646	35							
		4	Very much	323	28	2,300	28	2,903	29	9,316	29							
		Total		1,141	100	8,320	100	10,115	100	32,654	100							
j. Being an informed and active citizen	pgcitizen	1	Very little	174	16	1,175	15	1,298	13	4,074	13	<b>2.6</b>	2.6	-.02	2.8 ***	-.16	2.7 ***	-.10
		2	Some	349	31	2,545	31	2,769	27	9,394	29							
		3	Quite a bit	361	31	2,742	32	3,262	32	10,697	32							
		4	Very much	256	22	1,839	22	2,755	28	8,398	25							
		Total		1,140	100	8,301	100	10,084	100	32,563	100							

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

# NSSE 2018 Frequencies and Statistical Comparisons

## The University of Arizona

### Seniors

				Frequency Distributions <sup>a</sup>						Statistical Comparisons <sup>b</sup>									
				Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k		Arizona		Selected AAUDE Peers		Selected UA Peers		Carnegie > 20k	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	Mean	Effect size <sup>e</sup>	
<b>18. How would you evaluate your entire educational experience at this institution?</b>																			
	evalexp	1	Poor	26	3	200	3	246	3	792	3	<b>3.2</b>	3.2	-.04	3.3 ***	-.11	3.2	-.04	
		2	Fair	129	12	896	11	1,052	10	3,766	12								
		3	Good	541	47	3,687	44	4,256	41	14,436	43								
		4	Excellent	451	39	3,529	42	4,579	46	13,675	42								
			Total	1,147	100	8,312	100	10,133	100	32,669	100								
<b>19. If you could start over again, would you go to the same institution you are now attending?</b>																			
	sameinst	1	Definitely no	43	4	289	4	357	4	1,217	4	<b>3.2</b>	3.3	-.01	3.3 ***	-.11	3.3	-.03	
		2	Probably no	129	12	912	11	1,039	10	3,700	12								
		3	Probably yes	456	40	3,292	40	3,682	36	12,664	38								
		4	Definitely yes	521	44	3,839	45	5,081	50	15,181	46								
			Total	1,149	100	8,332	100	10,159	100	32,762	100								

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

# NSSE 2018 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### The University of Arizona

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
														Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
1 a. askquest	1,102	2.83	2.75	2.72	2.71	.025	.011	.011	.006	.83	.84	.86	.85	6,929	1,533	1,236	.005	.000	.000	.09	.13	.14				
b. drafts	1,091	2.56	2.33	2.48	2.38	.029	.013	.012	.007	.96	.95	.99	.98	6,888	7,516	20,436	.000	.012	.000	.24	.08	.18				
c. unpreparedr	1,091	2.87	2.89	2.93	2.92	.023	.010	.010	.006	.77	.78	.78	.78	6,882	7,491	20,398	.392	.018	.028	-.03	-.08	-.07				
d. attendart	1,087	1.80	1.90	1.89	1.84	.027	.012	.011	.006	.88	.88	.90	.90	6,857	7,472	20,357	.001	.002	.094	-.11	-.10	-.05				
e. CLaskhelp	1,082	2.71	2.77	2.69	2.68	.027	.011	.011	.006	.88	.85	.87	.87	1,486	7,462	20,343	.037	.419	.261	-.07	.03	.04				
f. CLexplain	1,086	2.82	2.85	2.79	2.78	.024	.010	.010	.006	.79	.79	.80	.81	6,834	7,449	1,218	.186	.234	.146	-.04	.04	.04				
g. CLstudy	1,083	2.63	2.72	2.63	2.64	.029	.012	.012	.007	.96	.93	.95	.95	1,484	7,418	20,214	.010	.931	.949	-.09	.00	.00				
h. CLproject	1,074	2.71	2.74	2.65	2.68	.026	.011	.011	.006	.85	.85	.85	.86	6,797	7,373	20,124	.206	.060	.338	-.04	.06	.03				
i. present	1,076	2.20	2.24	2.17	2.21	.027	.012	.011	.006	.87	.88	.88	.89	6,792	7,369	20,113	.211	.291	.937	-.04	.03	.00				
2 a. RIntegrate	1,061	2.54	2.65	2.57	2.59	.026	.011	.011	.006	.85	.81	.83	.83	1,442	7,289	19,888	.000	.292	.095	-.13	-.03	-.05				
b. RIsocietal	1,053	2.51	2.61	2.59	2.57	.027	.011	.011	.006	.89	.85	.86	.86	1,436	7,248	19,777	.000	.003	.021	-.13	-.10	-.07				
c. RIdiverse	1,048	2.53	2.60	2.62	2.56	.027	.012	.011	.007	.87	.87	.89	.90	6,667	7,193	19,619	.022	.004	.274	-.08	-.10	-.03				
d. Rlownview	1,029	2.72	2.78	2.79	2.77	.025	.010	.010	.006	.80	.78	.80	.80	1,410	7,110	19,435	.026	.014	.069	-.08	-.08	-.06				
e. Rlperspect	1,017	2.85	2.90	2.93	2.90	.025	.010	.010	.006	.78	.78	.79	.79	6,559	7,008	19,199	.115	.003	.053	-.05	-.10	-.06				
f. Rlnewview	1,005	2.80	2.87	2.86	2.85	.025	.010	.010	.006	.78	.77	.78	.78	1,386	6,925	19,021	.007	.043	.086	-.09	-.07	-.06				
g. Rlconnect	995	3.00	3.05	3.05	3.03	.023	.010	.009	.005	.73	.72	.72	.73	6,473	6,851	18,850	.023	.022	.158	-.08	-.08	-.05				
3 a. SFcareer	994	2.28	2.23	2.27	2.26	.029	.012	.012	.007	.92	.90	.92	.92	6,474	6,859	18,864	.120	.867	.505	.05	.01	.02				
b. SFotherwork	986	1.83	1.82	1.74	1.76	.029	.012	.012	.007	.92	.90	.90	.90	6,443	6,823	18,771	.662	.004	.023	.02	.10	.07				
c. SFdiscuss	979	2.01	2.05	1.95	1.97	.028	.012	.011	.007	.89	.86	.87	.88	6,408	6,751	18,636	.121	.047	.211	-.05	.07	.04				
d. SFperform	989	2.13	2.07	2.03	2.06	.028	.012	.011	.006	.88	.85	.85	.86	1,352	1,331	1,098	.055	.001	.021	.07	.11	.08				
4 a. memorize	981	2.87	2.89	2.96	2.94	.025	.011	.010	.006	.79	.79	.79	.80	6,397	1,330	18,571	.412	.001	.008	-.03	-.11	-.09				
b. HOapply	974	2.89	3.03	2.98	2.97	.025	.010	.010	.006	.79	.76	.78	.78	1,314	1,310	1,081	.000	.001	.001	-.19	-.12	-.11				
c. HOanalyze	962	2.90	2.96	2.94	2.93	.026	.011	.010	.006	.81	.78	.79	.80	1,301	6,676	18,417	.024	.152	.287	-.08	-.05	-.04				
d. HOevaluate	962	2.84	2.82	2.86	2.85	.027	.011	.011	.006	.85	.82	.82	.82	6,345	6,670	18,391	.513	.391	.754	.02	-.03	-.01				
e. HOform	959	2.87	2.85	2.85	2.85	.026	.011	.011	.006	.80	.80	.82	.82	6,332	1,318	1,072	.506	.486	.436	.02	.02	.03				
5 a. ETgoals	957	2.98	3.05	3.06	3.06	.025	.010	.010	.006	.77	.74	.76	.76	6,308	6,630	18,285	.011	.003	.003	-.09	-.10	-.10				
b. ETorganize	950	2.95	3.02	3.03	3.02	.026	.010	.010	.006	.79	.74	.77	.77	1,265	6,614	18,250	.017	.004	.006	-.09	-.10	-.09				
c. ETexample	947	3.00	3.03	3.03	3.03	.027	.011	.011	.006	.83	.78	.79	.79	1,257	6,597	18,215	.378	.309	.400	-.03	-.04	-.03				
d. ETdraftfb	949	2.87	2.65	2.72	2.71	.028	.012	.012	.007	.86	.90	.91	.91	1,346	1,334	1,068	.000	.000	.000	.25	.17	.17				
e. ETfeedback	949	2.70	2.61	2.61	2.63	.028	.012	.012	.007	.87	.86	.89	.89	6,273	6,567	18,137	.003	.003	.017	.10	.10	.08				

# NSSE 2018 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### The University of Arizona

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
6 a. QRconclude	931	2.65	2.64	2.63	2.63	.029	.012	.012	.007	.89	.85	.87	.87	1,246	6,531	18,061	.882	.554	.540	.01	.02	.02				
b. QRproblem	928	2.37	2.36	2.31	2.33	.030	.013	.012	.007	.92	.91	.91	.92	6,224	6,512	18,026	.825	.078	.190	.01	.06	.04				
c. QRevaluate	928	2.38	2.42	2.35	2.36	.029	.012	.012	.007	.87	.86	.87	.88	6,221	6,496	18,017	.133	.385	.718	-.05	.03	.01				
7 a. wrshortnum	925	7.87	6.69	6.13	6.26	.203	.082	.075	.044	6.18	5.77	5.35	5.57	5,909	1,185	1,013	.000	.000	.000	.20	.32	.29				
b. wrmednum	921	2.85	2.40	2.09	2.18	.120	.050	.042	.026	3.66	3.54	3.04	3.22	1,260	1,160	1,005	.001	.000	.000	.12	.24	.21				
c. wrlongnum	925	1.08	.98	.80	.89	.102	.041	.035	.021	3.11	2.91	2.48	2.66	5,891	1,145	1,005	.350	.010	.074	.03	.11	.07				
— wrpages	914	61.83	53.45	46.81	49.25	2.602	1.028	.898	.544	78.67	72.32	64.18	68.21	5,858	1,141	995	.002	.000	.000	.11	.23	.18				
8 a. DDrace	926	3.09	3.10	3.16	3.13	.029	.012	.012	.007	.89	.84	.86	.86	5,888	6,054	16,685	.820	.033	.184	-.01	-.08	-.04				
b. DDeconomic	924	3.04	3.08	3.13	3.09	.029	.012	.012	.007	.87	.82	.84	.85	1,248	6,034	16,652	.298	.003	.117	-.04	-.10	-.05				
c. DDreligion	925	3.02	3.06	3.10	3.06	.030	.012	.012	.007	.92	.86	.88	.89	1,251	6,044	16,655	.168	.005	.113	-.05	-.10	-.05				
d. DDpolitical	922	2.92	2.97	3.06	3.01	.031	.013	.013	.007	.93	.89	.89	.90	1,249	1,244	1,024	.129	.000	.004	-.06	-.15	-.10				
9 a. LSreading	909	2.97	3.02	3.03	3.00	.025	.011	.010	.006	.77	.75	.74	.75	5,837	5,990	16,542	.055	.017	.245	-.07	-.09	-.04				
b. LSnotes	908	2.84	2.82	2.86	2.87	.029	.012	.012	.007	.86	.87	.88	.88	5,827	5,983	16,527	.463	.477	.377	.03	-.03	-.03				
c. LSsummary	903	2.74	2.77	2.77	2.78	.029	.012	.012	.007	.88	.85	.87	.86	5,818	5,966	16,488	.299	.287	.171	-.04	-.04	-.05				
10. challenge	899	5.29	5.37	5.43	5.35	.043	.017	.017	.010	1.29	1.21	1.21	1.25	5,800	5,941	16,428	.078	.002	.205	-.06	-.11	-.04				
11 a. intern <sup>l</sup>	894	.072	.087	.090	.084	.0087	.0040	.0040	.0022	--	--	--	--	--	--	--	.149	.076	.214	-.05	-.07	-.04				
b. leader <sup>l</sup>	889	.091	.136	.116	.117	.0097	.0049	.0045	.0026	--	--	--	--	--	--	--	.000	.029	.019	-.14	-.08	-.08				
c. learncom <sup>l</sup>	890	.100	.172	.151	.179	.0100	.0054	.0051	.0031	--	--	--	--	--	--	--	.000	.000	.000	-.21	-.16	-.23				
d. abroad <sup>l</sup>	892	.035	.039	.036	.037	.0062	.0028	.0026	.0015	--	--	--	--	--	--	--	.603	.974	.824	-.02	.00	-.01				
e. research <sup>l</sup>	887	.051	.062	.058	.051	.0074	.0034	.0033	.0018	--	--	--	--	--	--	--	.224	.444	.966	-.05	-.03	.00				
f. capstone <sup>l</sup>	891	.015	.021	.018	.022	.0041	.0021	.0019	.0012	--	--	--	--	--	--	--	.252	.608	.205	-.04	-.02	-.05				
12. servcourse	889	1.61	1.53	1.48	1.56	.023	.010	.009	.005	.70	.67	.63	.66	5,749	1,160	16,237	.002	.000	.029	.11	.20	.08				
13 a. Qlstudent	880	5.19	5.39	5.43	5.38	.048	.019	.019	.011	1.43	1.33	1.36	1.38	1,171	5,831	16,160	.000	.000	.000	-.15	-.17	-.14				
b. Qladvisor	866	5.27	5.18	5.29	5.21	.053	.023	.022	.013	1.57	1.58	1.58	1.62	5,618	5,768	15,919	.110	.798	.243	.06	-.01	.04				
c. Qlfaculty	872	5.14	5.23	5.26	5.21	.048	.019	.020	.011	1.41	1.33	1.38	1.39	5,666	5,783	16,023	.074	.026	.171	-.07	-.08	-.05				
d. Qlstaff	767	4.94	5.01	5.10	5.02	.061	.022	.023	.013	1.68	1.51	1.56	1.58	985	1,002	842	.317	.017	.223	-.04	-.10	-.05				
e. Qladmin	790	4.83	4.91	4.93	4.85	.058	.023	.024	.014	1.62	1.52	1.60	1.63	1,062	5,219	14,555	.180	.099	.670	-.05	-.06	-.02				
14 a. empstudy	873	3.06	3.12	3.17	3.10	.025	.011	.010	.006	.75	.74	.72	.74	5,600	5,696	15,759	.025	.000	.111	-.08	-.15	-.06				
b. SEacademic	875	3.05	3.01	3.08	3.03	.027	.011	.011	.007	.80	.78	.79	.79	5,578	5,674	15,682	.245	.287	.564	.04	-.04	.02				
c. SElearnsup	876	3.17	2.99	3.09	3.03	.026	.012	.013	.007	.78	.85	.87	.88	5,583	1,307	15,680	.000	.004	.000	.22	.10	.17				

# NSSE 2018 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### The University of Arizona

#### First-Year Students

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>i</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
														Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
d. SEdiverse	870	2.63	2.80	2.83	2.82	.033	.013	.014	.008	.96	.91	.94	.93	1,178	1,191	968	.000	.000	.000	-.18	-.21	-.20				
e. SEsocial	871	2.95	2.97	3.07	3.00	.029	.012	.012	.007	.87	.83	.82	.85	1,182	5,651	15,638	.513	.000	.084	-.02	-.14	-.06				
f. SEwellness	870	3.00	3.01	3.06	3.02	.030	.012	.012	.007	.89	.83	.84	.85	1,168	5,640	15,609	.802	.052	.666	-.01	-.07	-.02				
g. SEnonacad	864	2.31	2.31	2.39	2.37	.034	.013	.014	.008	.99	.92	.96	.95	1,157	5,630	15,606	.958	.030	.056	.00	-.08	-.07				
h. SEactivities	872	2.85	2.87	3.00	2.91	.030	.012	.012	.007	.88	.85	.86	.88	1,187	1,189	15,607	.491	.000	.047	-.03	-.18	-.07				
i. SEevents	870	2.39	2.58	2.62	2.58	.033	.013	.013	.008	.96	.88	.92	.92	1,155	5,634	965	.000	.000	.000	-.21	-.25	-.20				
15 a. tmprephrs	864	15.83	16.26	15.56	15.31	.279	.120	.119	.068	8.21	8.19	8.22	8.24	5,539	5,610	15,559	.155	.379	.069	-.05	.03	.06				
b. tmcocurrhrs	865	5.69	6.64	5.80	5.80	.240	.101	.097	.055	7.06	6.89	6.65	6.68	5,527	5,602	15,529	.000	.656	.646	-.14	-.02	-.02				
c. tmworkonhrs	856	2.83	3.00	2.52	2.51	.219	.088	.084	.048	6.40	6.04	5.76	5.85	5,527	1,118	940	.441	.189	.159	-.03	.05	.05				
d. tmworkoffhrs	858	4.09	2.86	3.96	4.25	.284	.096	.117	.069	8.33	6.57	8.07	8.34	1,061	5,605	15,538	.000	.674	.570	.18	.02	-.02				
— tmworkhrs	852	6.75	5.85	6.46	6.74	.361	.145	.148	.088	10.54	9.91	10.20	10.67	1,142	5,587	15,497	.022	.460	.981	.09	.03	.00				
e. tmservicehrs	862	2.46	2.29	2.39	2.45	.159	.066	.063	.038	4.68	4.52	4.34	4.55	5,529	5,608	15,525	.311	.641	.951	.04	.02	.00				
f. tmrelaxhrs	863	12.33	13.23	13.09	13.10	.286	.120	.123	.070	8.41	8.19	8.47	8.48	5,529	5,596	15,516	.003	.015	.010	-.11	-.09	-.09				
g. tmcarehrs	854	1.82	1.45	1.48	1.80	.170	.067	.068	.043	4.96	4.54	4.69	5.25	1,129	1,145	15,491	.040	.062	.908	.08	.07	.00				
h. tmcommutehrs	861	4.90	3.76	4.30	4.21	.219	.078	.082	.048	6.42	5.31	5.67	5.78	1,088	1,118	944	.000	.010	.002	.21	.10	.12				
16. reading	859	2.58	2.71	2.57	2.60	.035	.016	.016	.009	1.03	1.11	1.09	1.10	1,252	1,237	977	.001	.800	.690	-.12	.01	-.01				
— tmreadinghrs	857	6.55	7.06	6.46	6.35	.189	.083	.081	.045	5.53	5.65	5.59	5.47	5,509	5,571	15,443	.014	.676	.303	-.09	.02	.04				
17 a. pgwrite	859	2.80	2.62	2.72	2.70	.030	.013	.013	.007	.87	.88	.90	.88	1,206	1,214	965	.000	.010	.002	.20	.09	.11				
b. pgspeak	856	2.54	2.53	2.57	2.59	.033	.013	.014	.008	.96	.91	.95	.93	1,156	5,571	951	.630	.453	.160	.02	-.03	-.05				
c. pgthink	857	3.03	3.08	3.07	3.06	.028	.012	.012	.007	.81	.80	.82	.81	5,504	5,571	15,426	.098	.182	.374	-.06	-.05	-.03				
d. pganalyze	859	2.70	2.75	2.73	2.74	.032	.014	.014	.008	.94	.94	.94	.93	5,507	5,571	15,429	.096	.347	.181	-.06	-.03	-.05				
e. pgwork	857	2.52	2.58	2.54	2.58	.033	.014	.014	.008	.98	.94	.96	.95	5,503	5,575	15,436	.083	.677	.102	-.06	-.02	-.06				
f. pgothers	854	2.83	2.79	2.79	2.80	.030	.013	.013	.007	.89	.86	.87	.88	5,495	5,565	15,415	.333	.328	.389	.04	.04	.03				
g. pgvalues	856	2.62	2.64	2.66	2.67	.033	.014	.014	.008	.95	.93	.96	.95	5,500	5,566	15,415	.531	.204	.134	-.02	-.05	-.05				
h. pgdiverse	858	2.69	2.79	2.82	2.81	.033	.013	.014	.008	.95	.91	.93	.93	1,161	1,175	954	.008	.000	.001	-.10	-.14	-.12				
i. pgprobsolve	856	2.62	2.69	2.65	2.66	.032	.013	.013	.008	.93	.91	.92	.92	5,497	5,563	15,410	.039	.340	.213	-.08	-.04	-.04				
j. pgcitizen	859	2.53	2.68	2.71	2.69	.033	.013	.014	.008	.96	.91	.93	.93	1,161	1,174	956	.000	.000	.000	-.16	-.19	-.17				
18. evalexp	860	3.13	3.20	3.28	3.22	.025	.011	.010	.006	.73	.73	.71	.73	1,198	1,175	964	.009	.000	.000	-.10	-.22	-.12				
19. sameinst	864	3.16	3.26	3.34	3.27	.028	.011	.011	.006	.81	.77	.76	.78	5,510	5,594	15,468	.001	.000	.000	-.12	-.23	-.14				
20. returnexp <sup>1</sup>	865	.876	--	.915	.902	.0112	--	.0073	.0043	--	--	--	--	--	--	--	--	.002	.016	--	-.13	-.09				

# NSSE 2018 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### The University of Arizona

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
														Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
1 a. askquest	1,315	2.99	2.90	2.95	2.94	.024	.011	.009	.005	.88	.88	.90	.90	1,877	1,709	1,446	.001	.130	.090	.10	.04	.05				
b. drafts	1,299	2.36	2.22	2.34	2.32	.028	.012	.010	.006	1.00	.98	1.02	1.01	1,816	10,865	28,757	.000	.419	.150	.14	.02	.04				
c. unpreparedr	1,303	2.85	2.77	2.87	2.88	.022	.010	.009	.005	.80	.82	.84	.83	1,893	10,861	28,744	.001	.367	.199	.10	-.03	-.04				
d. attendart	1,294	1.81	1.92	1.80	1.78	.025	.011	.009	.005	.88	.88	.89	.88	1,833	10,831	28,682	.000	.767	.272	-.12	.01	.03				
e. CLaskhelp	1,299	2.58	2.62	2.52	2.49	.026	.011	.009	.006	.93	.88	.91	.92	1,792	10,828	28,647	.197	.029	.001	-.04	.06	.09				
f. CLexplain	1,301	2.87	2.88	2.81	2.77	.023	.010	.009	.005	.84	.81	.84	.86	1,807	10,809	1,432	.786	.010	.000	-.01	.08	.11				
g. CLstudy	1,300	2.64	2.61	2.59	2.54	.027	.012	.010	.006	.99	.96	1.00	1.00	1,815	10,765	28,486	.461	.128	.000	.02	.04	.10				
h. CLproject	1,292	2.90	2.95	2.92	2.86	.025	.011	.009	.006	.91	.87	.89	.92	1,789	10,719	28,391	.063	.524	.172	-.06	-.02	.04				
i. present	1,289	2.68	2.68	2.63	2.63	.027	.011	.010	.006	.97	.93	.95	.96	1,787	10,717	28,388	.929	.090	.078	.00	.05	.05				
2 a. RIntegrate	1,283	2.96	2.93	2.96	2.91	.023	.010	.009	.005	.82	.81	.83	.83	7,742	10,623	1,412	.332	.872	.065	.03	.00	.05				
b. RIsocietal	1,280	2.71	2.70	2.76	2.71	.025	.011	.009	.006	.91	.91	.92	.91	7,717	10,583	28,053	.796	.068	.869	.01	-.05	.00				
c. RIdiverse	1,269	2.48	2.49	2.55	2.51	.027	.012	.010	.006	.95	.97	.99	.98	7,657	1,673	1,401	.670	.009	.227	-.01	-.08	-.03				
d. Rlownview	1,261	2.75	2.78	2.82	2.80	.024	.010	.009	.005	.84	.82	.83	.83	7,628	10,451	27,711	.197	.004	.046	-.04	-.09	-.06				
e. Rlperspect	1,255	2.90	2.93	2.98	2.95	.023	.010	.008	.005	.82	.81	.81	.81	7,581	10,346	27,468	.317	.001	.036	-.03	-.10	-.06				
f. Rlnewview	1,245	2.91	2.95	2.97	2.94	.023	.010	.008	.005	.80	.78	.78	.79	7,509	10,241	27,258	.087	.012	.193	-.05	-.08	-.04				
g. Rlconnect	1,232	3.19	3.15	3.19	3.15	.021	.009	.008	.005	.75	.73	.72	.74	7,473	10,170	27,062	.049	.918	.087	.06	.00	.05				
3 a. SFcareer	1,237	2.45	2.34	2.37	2.35	.028	.012	.010	.006	.97	.94	.98	.98	1,725	10,183	27,102	.000	.003	.000	.12	.09	.10				
b. SFotherwork	1,230	2.10	1.98	1.91	1.91	.029	.012	.011	.006	1.02	.98	1.00	.99	1,710	10,134	27,008	.000	.000	.000	.12	.19	.19				
c. SFdiscuss	1,223	2.23	2.16	2.10	2.10	.027	.011	.010	.006	.94	.88	.92	.92	1,671	1,565	1,336	.024	.000	.000	.07	.13	.15				
d. SFperform	1,219	2.19	2.05	2.09	2.10	.026	.011	.009	.006	.91	.86	.88	.89	1,679	1,554	1,331	.000	.000	.001	.16	.12	.10				
4 a. memorize	1,220	2.84	2.75	2.80	2.77	.024	.011	.009	.005	.85	.85	.87	.87	1,745	1,597	1,346	.001	.187	.010	.11	.04	.07				
b. HOapply	1,213	3.08	3.08	3.09	3.07	.023	.010	.009	.005	.80	.79	.81	.81	7,379	10,016	26,692	.978	.659	.768	.00	-.01	.01				
c. HOanalyze	1,207	3.02	3.01	3.03	3.02	.024	.011	.009	.005	.83	.83	.84	.83	7,355	9,961	26,559	.828	.502	.905	.01	-.02	.00				
d. HOevaluate	1,205	2.84	2.77	2.85	2.84	.025	.011	.010	.006	.88	.90	.91	.90	1,726	9,942	26,507	.013	.602	.881	.08	-.02	.00				
e. HOform	1,193	2.89	2.85	2.90	2.89	.025	.011	.009	.005	.85	.85	.86	.86	7,314	9,894	26,419	.137	.712	.928	.05	-.01	.00				
5 a. ETgoals	1,188	3.07	3.08	3.15	3.13	.023	.010	.008	.005	.78	.75	.77	.78	7,296	1,520	26,310	.947	.001	.021	.00	-.10	-.07				
b. ETorganize	1,185	2.98	3.02	3.08	3.06	.023	.010	.009	.005	.80	.76	.80	.80	7,284	1,522	26,301	.113	.000	.002	-.05	-.12	-.09				
c. ETexample	1,183	3.07	3.08	3.10	3.08	.023	.010	.009	.005	.79	.79	.82	.82	7,268	1,550	26,251	.772	.213	.726	-.01	-.04	-.01				
d. ETdraftfb	1,181	2.66	2.54	2.66	2.65	.027	.012	.010	.006	.93	.94	.96	.96	7,264	1,549	1,302	.000	.958	.623	.13	.00	.01				
e. ETfeedback	1,184	2.69	2.62	2.71	2.71	.025	.011	.010	.006	.88	.88	.91	.90	7,255	1,551	26,143	.010	.527	.577	.08	-.02	-.02				

# NSSE 2018 Frequencies and Statistical Comparisons

## Detailed Statistics<sup>g</sup>

### The University of Arizona

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
														Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
6 a. QRconclude	1,180	2.69	2.75	2.71	2.70	.026	.012	.010	.006	.88	.91	.93	.92	7,240	1,566	1,304	.048	.368	.665	-.06	-.03	-.01				
b. QRproblem	1,175	2.49	2.45	2.44	2.42	.028	.012	.011	.006	.95	.96	.98	.97	7,226	9,740	26,015	.195	.103	.019	.04	.05	.07				
c. QRevaluate	1,172	2.51	2.55	2.48	2.47	.027	.012	.010	.006	.92	.90	.92	.92	7,228	9,747	26,016	.228	.244	.088	-.04	.04	.05				
7 a. wrshortnum	1,173	7.59	7.36	7.19	7.03	.200	.085	.073	.042	6.86	6.46	6.52	6.38	1,625	9,142	1,276	.291	.049	.006	.04	.06	.09				
b. wrmednum	1,168	3.47	3.36	3.25	3.24	.134	.055	.048	.028	4.56	4.16	4.25	4.24	1,588	1,479	1,271	.463	.112	.095	.03	.05	.05				
c. wrlongnum	1,172	1.93	1.92	1.84	1.84	.115	.047	.040	.024	3.93	3.58	3.59	3.61	6,875	1,473	24,354	.943	.446	.400	.00	.03	.03				
— wrpages	1,166	79.54	77.45	74.54	74.10	2.961	1.186	1.030	.604	101.09	89.19	91.43	91.58	1,560	1,460	1,263	.511	.111	.072	.02	.05	.06				
8 a. DDrace	1,174	3.14	3.10	3.16	3.15	.026	.012	.010	.006	.90	.88	.90	.90	6,880	9,118	24,377	.170	.402	.491	.04	-.03	-.02				
b. DDeconomic	1,174	3.07	3.06	3.11	3.11	.026	.011	.010	.006	.88	.86	.88	.87	6,868	9,107	24,317	.879	.106	.128	.00	-.05	-.05				
c. DDreligion	1,175	3.01	3.05	3.09	3.08	.027	.012	.010	.006	.93	.87	.90	.90	1,627	9,103	24,304	.178	.006	.018	-.05	-.09	-.07				
d. DDpolitical	1,174	2.90	2.89	3.01	2.99	.027	.012	.010	.006	.93	.92	.93	.92	6,876	9,112	24,334	.821	.000	.001	.01	-.11	-.10				
9 a. LSreading	1,168	3.09	3.04	3.09	3.07	.023	.011	.009	.005	.80	.80	.81	.81	6,840	9,046	24,185	.099	.906	.536	.05	.00	.02				
b. LSnotes	1,166	2.79	2.64	2.79	2.78	.027	.012	.011	.006	.93	.93	.95	.94	6,841	9,039	24,192	.000	.932	.829	.16	.00	.01				
c. LSsummary	1,166	2.79	2.68	2.79	2.78	.026	.012	.010	.006	.90	.89	.92	.91	6,828	9,017	24,141	.000	.869	.842	.12	-.01	.01				
10. challenge	1,156	5.40	5.30	5.46	5.42	.038	.017	.015	.009	1.29	1.29	1.33	1.34	6,803	8,961	24,022	.010	.203	.663	.08	-.04	-.01				
11 a. intern <sup>l</sup>	1,157	.583	.585	.508	.504	.0145	.0065	.0057	.0033	--	--	--	--	--	--	--	.888	.000	.000	.00	.15	.16				
b. leader <sup>l</sup>	1,155	.422	.471	.382	.363	.0145	.0066	.0055	.0032	--	--	--	--	--	--	--	.002	.010	.000	-.10	.08	.12				
c. learncom <sup>l</sup>	1,148	.252	.254	.222	.236	.0128	.0058	.0047	.0028	--	--	--	--	--	--	--	.917	.021	.217	.00	.07	.04				
d. abroad <sup>l</sup>	1,154	.161	.256	.164	.158	.0108	.0058	.0042	.0024	--	--	--	--	--	--	--	.000	.855	.736	-.23	-.01	.01				
e. research <sup>l</sup>	1,154	.320	.334	.257	.237	.0137	.0063	.0050	.0028	--	--	--	--	--	--	--	.331	.000	.000	-.03	.14	.19				
f. capstone <sup>l</sup>	1,148	.349	.427	.442	.408	.0141	.0066	.0056	.0033	--	--	--	--	--	--	--	.000	.000	.000	-.16	-.19	-.12				
12. servcourse	1,145	1.72	1.59	1.62	1.64	.021	.009	.008	.005	.72	.66	.68	.69	6,761	8,900	23,818	.000	.000	.000	.20	.15	.12				
13 a. Qlstudent	1,139	5.41	5.41	5.58	5.51	.040	.017	.015	.009	1.34	1.31	1.32	1.35	6,753	8,839	23,557	.885	.000	.015	.00	-.13	-.07				
b. Qladvisor	1,141	5.26	4.90	5.03	4.99	.049	.024	.020	.012	1.65	1.75	1.77	1.80	1,710	1,554	1,282	.000	.000	.000	.21	.13	.15				
c. Qlfaculty	1,142	5.29	5.27	5.38	5.33	.042	.018	.016	.009	1.42	1.34	1.41	1.42	1,582	8,812	23,627	.677	.042	.277	.01	-.06	-.03				
d. Qlstaff	951	4.83	4.77	4.94	4.83	.052	.023	.021	.012	1.61	1.59	1.68	1.69	5,946	7,462	1,058	.283	.055	.896	.04	-.07	.00				
e. Qladmin	1,065	4.70	4.66	4.76	4.68	.050	.022	.020	.012	1.64	1.59	1.69	1.70	6,080	8,128	21,681	.517	.282	.739	.02	-.04	.01				
14 a. empstudy	1,149	3.05	3.19	3.17	3.13	.023	.010	.009	.005	.77	.77	.76	.76	1,650	1,503	1,266	.000	.000	.002	-.18	-.15	-.09				
b. SEacademic	1,144	2.88	2.84	2.92	2.89	.024	.011	.010	.006	.83	.82	.84	.84	6,646	8,640	23,243	.107	.194	.932	.05	-.04	.00				
c. SElearnsup	1,148	2.84	2.71	2.83	2.77	.027	.012	.011	.006	.90	.89	.92	.93	6,644	8,648	1,279	.000	.925	.013	.14	.00	.07				



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### The University of Arizona

#### Seniors

Variable Name	N					Mean				Standard error <sup>h</sup>				Standard deviation <sup>i</sup>				Degrees of freedom <sup>j</sup>			Significance <sup>k</sup>			Effect size <sup>e</sup>		
	Arizona	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Arizona	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Comparisons with:			Comparisons with:			Comparisons with:						
														Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k	Selected AAUDE Peers	Selected UA Peers	Carnegie > 20k				
d. SEdiverse	1,146	2.54	2.52	2.65	2.64	.029	.013	.012	.007	.98	.97	1.00	.99	6,631	8,625	23,197	.499	.000	.001	.02	-.11	-.10				
e. SEsocial	1,143	2.83	2.79	2.92	2.85	.027	.012	.010	.006	.90	.88	.90	.91	6,626	8,623	23,191	.184	.001	.432	.04	-.10	-.02				
f. SEwellness	1,145	2.84	2.78	2.88	2.81	.027	.012	.011	.006	.91	.90	.93	.94	6,621	8,605	1,277	.061	.138	.317	.06	-.05	.03				
g. SEnonacad	1,139	2.03	1.98	2.08	2.07	.028	.012	.011	.007	.96	.91	.97	.97	1,593	8,587	23,107	.100	.066	.097	.06	-.06	-.05				
h. SEactivities	1,143	2.69	2.71	2.77	2.68	.027	.012	.011	.007	.92	.90	.96	.97	6,608	8,593	1,278	.511	.015	.555	-.02	-.08	.02				
i. SEevents	1,142	2.28	2.39	2.45	2.39	.027	.012	.011	.006	.92	.90	.95	.95	6,603	1,535	1,270	.000	.000	.000	-.13	-.18	-.12				
15 a. tmprephrs	1,139	15.53	16.54	15.35	15.31	.267	.122	.104	.061	9.03	8.98	8.98	8.97	6,602	8,577	23,065	.001	.533	.409	-.11	.02	.03				
b. tmcocurrhrs	1,138	5.66	6.27	5.15	5.11	.207	.097	.080	.047	6.98	7.18	6.85	6.88	6,592	8,554	23,010	.008	.020	.009	-.09	.07	.08				
c. tmworkonhrs	1,136	5.50	5.15	3.95	3.74	.255	.103	.087	.050	8.59	7.65	7.48	7.33	1,531	1,411	1,222	.201	.000	.000	.05	.20	.24				
d. tmworkoffhrs	1,136	8.77	6.57	10.80	11.42	.340	.132	.146	.086	11.46	9.77	12.61	12.77	1,497	1,586	1,286	.000	.000	.000	.22	-.16	-.21				
— tmworkhrs	1,132	14.24	11.69	14.70	15.12	.374	.155	.151	.089	12.59	11.41	13.00	13.16	1,541	1,526	1,263	.000	.246	.021	.22	-.04	-.07				
e. tmservehrs	1,138	3.85	2.74	3.15	3.09	.178	.067	.062	.036	6.00	4.96	5.36	5.38	1,480	1,430	1,234	.000	.000	.000	.21	.13	.14				
f. tmrelaxhrs	1,129	10.55	12.39	11.43	11.33	.233	.112	.097	.056	7.84	8.26	8.34	8.32	6,586	1,544	1,263	.000	.000	.001	-.23	-.11	-.09				
g. tmcarehrs	1,137	3.52	2.04	4.06	4.46	.247	.085	.107	.065	8.32	6.30	9.19	9.53	1,420	1,593	1,296	.000	.046	.000	.22	-.06	-.10				
h. tmcommutehrs	1,137	5.81	4.79	5.30	5.50	.177	.073	.067	.041	5.98	5.36	5.74	6.07	1,540	8,556	23,017	.000	.005	.090	.19	.09	.05				
16. reading	1,136	2.71	2.63	2.69	2.69	.036	.016	.014	.008	1.22	1.22	1.21	1.20	6,574	8,538	22,983	.044	.483	.533	.07	.02	.02				
— tmreadinghrs	1,134	6.81	6.80	6.67	6.72	.181	.080	.070	.042	6.08	5.88	6.05	6.12	6,559	8,509	22,892	.962	.494	.645	.00	.02	.01				
17 a. pgwrite	1,131	2.96	2.85	2.98	2.94	.027	.012	.011	.006	.90	.91	.91	.90	1,637	8,514	22,917	.000	.515	.488	.12	-.02	.02				
b. pgspeak	1,136	2.90	2.78	2.90	2.87	.027	.013	.011	.006	.92	.93	.95	.94	1,658	1,526	22,955	.000	.805	.215	.13	.01	.04				
c. pgthink	1,135	3.29	3.33	3.33	3.28	.024	.010	.009	.005	.80	.77	.79	.79	6,572	8,525	22,949	.230	.158	.637	-.04	-.05	.01				
d. pganalyze	1,136	2.95	3.01	2.98	2.95	.029	.013	.011	.006	.98	.94	.96	.96	1,606	8,520	22,934	.061	.358	.952	-.06	-.03	.00				
e. pgwork	1,136	2.82	2.84	2.86	2.87	.030	.013	.011	.007	1.00	.97	.98	.97	6,570	8,520	1,250	.601	.291	.108	-.02	-.03	-.05				
f. pgothers	1,132	3.02	3.01	3.05	3.02	.026	.012	.010	.006	.89	.86	.88	.89	6,562	8,511	22,923	.698	.220	.935	.01	-.04	.00				
g. pgvalues	1,136	2.74	2.67	2.79	2.77	.029	.013	.012	.007	.99	.99	1.01	1.00	6,559	8,508	22,909	.028	.138	.344	.07	-.05	-.03				
h. pgdiverse	1,130	2.76	2.74	2.87	2.85	.029	.013	.011	.007	.97	.96	.98	.97	6,554	8,493	22,891	.712	.000	.002	.01	-.12	-.09				
i. pgprobsolve	1,136	2.83	2.82	2.84	2.83	.028	.013	.011	.006	.95	.94	.96	.95	6,566	8,507	22,908	.846	.671	.946	.01	-.01	.00				
j. pgcitizen	1,136	2.59	2.61	2.75	2.70	.030	.013	.012	.007	1.01	.99	1.00	.99	6,551	8,484	22,854	.624	.000	.001	-.02	-.16	-.10				
18. evalexp	1,142	3.22	3.25	3.30	3.25	.022	.010	.009	.005	.75	.76	.76	.77	6,568	1,522	22,940	.228	.000	.207	-.04	-.11	-.04				
19. sameinst	1,145	3.25	3.25	3.33	3.27	.024	.011	.009	.006	.81	.81	.80	.82	6,585	8,554	22,999	.777	.001	.383	-.01	-.11	-.03				



### Endnotes

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