Tennessee Technological University NSSE 2019 Major Field Report, Part II Comparisons to Other Institutions Interdisc. Studies

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

The Major Field Report group 'Interdisc. Studies' includes the following majors: Broadcast communications; Communications (general); Environmental science/studies; Healthcare administration and policy; Journalism; Mass communications and media studies; Multi, Interdisciplinary studies; Natural resources and conservation; Occupational safety and health; Other communications; Professional studies (general); Public relations and advertising; Public safety and emergency management; Speech; Technical, vocational studies.



Note:

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



NSSE 2019 Major Field Report, Part II

About This Report

About Your Major Field Report, Part II

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

NSSE results included in MFR, Part II

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

Related-Major Groups

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

Sample

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

Class

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

Technical Requirements

Frequencies will be reported for related-major groups that have at least 5 respondents, but NSSE requires a group to have at least 20 respondents for statistical comparisons (e.g., means and t-tests). Comparison groups must contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement for all other statistics (Engagement Indicators, means, etc.), keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, *Major Field Report* results are unweighted.

Report Sections (Those marked with an asterisk are included if at least one related-major group includes 20 or more respondents.)

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



Overview of Engagement Indicators: Interdisc. Studies Tennessee Technological University

Engagement Indicators: Overview

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

Use the following key:

- **Your students' average** was significantly higher (p<.05) with an effect size at least .3 in magnitude. **Your students' average** was significantly higher (p<.05) with an effect size less than .3 in magnitude.
- -- No significant difference.

Your students' average was significantly lower (p<.05) with an effect size less than .3 in magnitude.

Your students' average was significantly lower (p<.05) with an effect size at least .3 in magnitude.

		First-Yea	r Students in Interdis	c. Studies	Se	niors in Interdisc. Stu	dies
		Your first-year students compared with	Your first-year students compared with	Your first-year students compared with	Your seniors compared with	Your seniors compared with	Your seniors compared with
Theme	Engagement Indicator	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019
	Higher-Order Learning						
Academic	Reflective & Integrative Learning						
Challenge	Learning Strategies						
	Quantitative Reasoning						
Learning with	Collaborative Learning						
Peers	Discussions with Diverse Others						
Experiences	Student-Faculty Interaction						
with Faculty	Effective Teaching Practices						
Campus	Quality of Interactions						
Environment	Supportive Environment						



Engagement Indicators: Interdisc. Studies Tennessee Technological University

Seniors^a in

Interdisc. Studies	Mea	n statistics			Percer	ntile ^d scores			C	omparison re	sults	
				-						Mean		Effect
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom e	diff.	Sig. ^f	size ^g
Academic Challenge												
Higher-Order Learning												
Tennessee Tech $(N = 51)$	40.2	12.9	1.81	20	35	40	50	60				
Carnegie Class	40.4	13.0	.22	20	30	40	50	60	3,723	2		013
Quality Assurance	41.4	15.1	1.26	20	30	40	55	60	102	-1.2		085
NSSE 2018 & 2019	40.7	13.1	.10	20	30	40	50	60	18,623	5		039
Reflective & Integrative Learning												
Tennessee Tech $(N = 52)$	38.4	12.5	1.73	17	29	39	49	57				
Carnegie Class	41.1	11.4	.19	23	34	40	49	60	3,750	-2.7		240
Quality Assurance	42.2	12.3	1.02	20	34	43	51	60	194	-3.8		308
NSSE 2018 & 2019	40.5	11.8	.09	20	31	40	49	60	18,796	-2.2		182
Learning Strategies												
Tennessee Tech $(N = 51)$	44.6	11.5	1.61	27	40	47	53	60				
Carnegie Class	36.9	14.3	.24	13	27	40	47	60	52	7.7	***	.538
Quality Assurance	41.3	14.9	1.26	13	33	40	60	60	114	3.3		.234
NSSE 2018 & 2019	38.4	14.4	.11	13	27	40	47	60	50	6.1	***	.425
Quantitative Reasoning												
Tennessee Tech $(N = 51)$	27.1	14.0	1.96	7	20	27	40	47				
Carnegie Class	28.4	16.1	.27	0	20	27	40	60	3,704	-1.3		081
Quality Assurance	29.1	17.4	1.46	7	13	27	40	60	191	-2.0		124
NSSE 2018 & 2019	27.8	16.2	.12	0	20	27	40	60	18,567	8		047
Learning with Peers												
Collaborative Learning												
Tennessee Tech $(N = 52)$	29.0	13.0	1.80	5	20	30	38	50				
Carnegie Class	33.2	14.0	.23	10	25	35	40	60	3,740	-4.2	*	297
Quality Assurance	33.1	15.5	1.30	5	20	35	45	60	192	-4.1		273
NSSE 2018 & 2019	30.0	15.4	.11	5	20	30	40	55	18,702	-1.0		065
Discussions with Diverse Others												
Tennessee Tech $(N = 50)$	35.0	14.6	2.07	5	25	35	40	60				
Carnegie Class	41.9	14.3	.24	20	30	40	55	60	3,721	-6.9	***	484
Quality Assurance	42.4	14.7	1.24	20	35	40	60	60	190	-7.4	**	503
NSSE 2018 & 2019	40.5	15.5	.11	15	30	40	55	60	18,601	-5.5	*	352



Engagement Indicators: Interdisc. Studies Tennessee Technological University

Seniors^a in

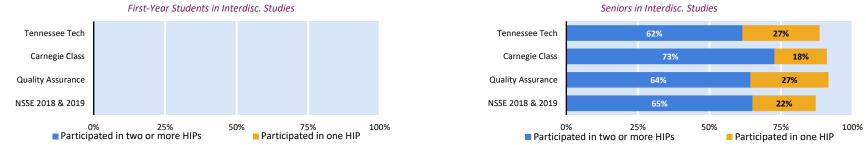
Interdisc. Studies	Mea	n statistics			Percei	ntile ^d scores			C	Comparison re	sults	
										Mean		Effect
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	diff.	Sig. ^f	size ^g
Experiences with Faculty												
Student-Faculty Interaction												
Tennessee Tech $(N = 52)$	23.6	12.9	1.79	5	15	20	33	45				
Carnegie Class	25.0	15.7	.26	0	15	25	35	60	3,716	-1.5		093
Quality Assurance	28.0	16.3	1.37	0	15	25	40	60	114	-4.5	*	289
NSSE 2018 & 2019	24.7	16.2	.12	0	10	20	35	60	51	-1.1		068
Effective Teaching Practices												
Tennessee Tech $(N = 52)$	40.9	12.7	1.76	20	30	40	52	60				
Carnegie Class	39.8	12.7	.21	20	32	40	48	60	3,753	1.1		.086
Quality Assurance	40.6	15.1	1.26	12	32	40	56	60	194	.3		.024
NSSE 2018 & 2019	40.7	13.3	.10	20	32	40	52	60	18,803	.2		.016
Campus Environment												
Quality of Interactions												
Tennessee Tech $(N = 45)$	46.4	11.3	1.69	22	40	48	56	60				
Carnegie Class	42.1	11.2	.19	22	36	43	50	60	3,559	4.3	*	.385
Quality Assurance	42.0	12.6	1.09	20	34	44	50	60	176	4.4	*	.356
NSSE 2018 & 2019	43.6	11.8	.09	22	36	44	52	60	17,664	2.8		.241
Supportive Environment												
Tennessee Tech $(N = 52)$	27.9	12.7	1.76	3	20	30	38	45				
Carnegie Class	33.2	13.4	.22	13	23	33	40	58	3,742	-5.2	**	392
Quality Assurance	35.7	14.8	1.24	10	25	35	50	60	193	-7.7	***	542
NSSE 2018 & 2019	32.7	13.9	.10	10	23	33	43	58	18,681	-4.8	*	345



High-Impact Practices: Interdisc. Studies Tennessee Technological University

Overall HIP Participation^{a,h}

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



Statistical Comparisons

The table below displays the percentage of your students who participated in a given High-Impact Practice, including the percentage who participated overall (at least one, two or more). It also graphs the difference, in percentage points, between your students and those of your comparison groups. Blue bars indicate how much higher your institution's percentage is compared to the comparison group. Dark red bars indicate how much lower your institution's percentage is compared to the comparison group.

]	Your students' participation com	pared with:		
	Tennessee Tech	Carnegie Class		Quality Assurance		NSSE 2018 & 2019	
First-Year Students in Interdisc. Studies	%	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j	Difference ⁱ	ES ^j
12. Service-Learning							
11c. Learning Community							
11e. Research with Faculty							
Participated in at least one							
Participated in two or more							
Seniors in Interdisc. Studies							
12. Service-Learning	63	+3 📕	.06	-2	04	-1	03
11c. Learning Community	19	-4	10	-1	03	-3	08
11e. Research with Faculty	33	+9	.20	+13	.30	+12	* .26
11a. Internship or Field Exp.	44	-18	**36	-9	18	-10	20
11d. Study Abroad	10	-19	**49	-3	10	-9	27
11f. Culminating Senior Exp.	58	+2	.05	+9	.19	+6	.12
Participated in at least one	88	-3	09	-3	11	+1 🖡	.04
Participated in two or more	62	-11	24	-3	06	-4	07



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	dents ^a in					Frequer	ncy Di	stribution	S				Sta	atistica	Comparis	sons ^k		
Interdisc. Stud	dies							Quality		NSSE 2018	3&				first-year stud		ared with	
				Tennessee	Геch	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegi	ie Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name ¹	Values"	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
1. During the current so	chool year, abou	it how o	often have you done th	e following?														
a. Asked questions or	askquest	1	Never	0	0	63	2	1	1	217	2							
contributed to course		2	Sometimes	5	28	877	34	29	31	3,478	30							
discussions in other ways		3	Often	9	50	938	37	31	33	4,235	37							
ways		4	Very often	4	22	675	26	33	35	3,619	31							
			Total	18	100	2,553	100	94	100	11,549	100							
b. Prepared two or more	drafts	1	Never	3	17	453	18	18	19	1,797	16							
drafts of a paper or		2	Sometimes	9	50	907	36	30	32	4,033	35							
assignment before		3	Often	3	17	724	28	32	34	3,443	30							
turning it in		4	Very often	3	17	462	18	15	16	2,273	20							
			Total	18	100	2,546	100	95	100	11,546	100							
c. Come to class without	unpreparedr	1	Very often	1	6	170	7	3	3	581	5							
completing readings or	(Reverse-coded	2	Often	1	6	440	17	13	14	1,470	13							
assignments	version of	3	Sometimes	8	44	1,497	59	52	55	6,579	57							
	unprepared	4	Never	8	44	446	17	26	28	2,934	25							
	created by NSSE.)		Total	18	100	2,553	100	94	100	11,564	100							
d. Attended an art exhibit,	attendart	1	Never	3	17	694	27	25	26	3,494	30							
play, or other arts		2	Sometimes	12	67	1,084	43	44	46	4,583	40							
performance (dance,		3	Often	2	11	508	20	16	17	2,281	20							
music, etc.)		4	Very often	1	6	264	10	10	11	1,193	10							
			Total	18	100	2,550	100	95	100	11,551	100							
e. Asked another student	CLaskhelp	1	Never	1	6		7	13	14	1,166	10							
to help you understand	1	2	Sometimes	10	56	956	37	36	38	4,565	39							
course material		3	Often	6	33	964	38	29	31	4,001	35							
		4	Very often	1	6	454	18	17	18	1,832	16							
		•	Total	18	100	2,555	100	95	100	11,564	100							
f. Explained course	CLexplain	1	Never	10	6	89	3	4	4	738	6							
material to one or more		2	Sometimes	6	33	962	38	42	44	4,407	38							
students		3	Often	7	39	1,083	42	31	33	4,544	39							
		4	Very often	4	22	419	16	18	19	1,883	16							
		4	Total	18	100	2,553	100	95	100	11,572	100							
			iotal	18	100	2,333	100	95	100	11,372	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stuc	lents ^a in					Freque	ncy Di	stributior	IS				Sta	atistical	Comparis	ons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	3&			Your f	first-year stud	ents compo	ared with	
				Tennessee ⁻	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carnegi	e Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name'	Values'		Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size ⁿ	Mean	size "
g. Prepared for exams by	CLstudy	1	Never	6	33	311	12	22	23	1,824	16							
discussing or working through course material		2	Sometimes	7	39	897	35	28	30	4,092	35							
with other students		3	Often	2	11	857	34	28	30	3,674	32							
		4	Very often	3	17	487	19	16	17	1,964	17							
			Total	18	100	2,552	100	94	100	11,554	100							
h. Worked with other	CLproject	1	Never	2	11	144	6	6	6	934	8							
students on course		2	Sometimes	5	28	934	37	38	40	4,094	35							
projects or assignments		3	Often	5	28	990	39	37	39	4,427	38							
		4	Very often	6	33	485	19	13	14	2,112	18							
			Total	18	100	2,553	100	94	100	11,567	100							
i. Given a course	present	1	Never	2	11	474	19	16	17	1,710	15							
presentation		2	Sometimes	8	44	1,124	44	26	28	4,448	38							
		3	Often	5	28	658	26	31	33	3,621	31							
		4	Very often	3	17	297	12	20	22	1,789	15							
			Total	18	100	2,553	100	93	100	11,568	100							
2. During the current scl	hool vear, abo	ut how o	often have you done th	e following?														
a. Combined ideas from	Rlintegrate	1	Never	2	11	152	6	10	11	736	6							
different courses when	8	2	Sometimes	- 6	33	871	34	32	34	4,093	35							
completing assignments		- 3	Often	8	44	1,067	42	33	35	4,630	40							
		4	Very often	2	11	462	18	19	20	2,101	18							
		-	Total	18	100	2,552	100	94	100	11,560	100							
b. Connected your	RIsocietal	1	Never	10	6	123	5	11	100	700	6							
learning to societal	Risociciai	2	Sometimes	7	39	739	29	28	30	3,646	32							
problems or issues		3	Often	6	33	1,083	42	40	43	4,695	41							
		4		4	22	605	42 24	40										
		4	Very often						16	2,520	22							
x 1 1 1 1			Total	18	100	2,550	100	94	100	11,561	100							
 c. Included diverse perspectives (political, 	RIdiverse	1	Never	3	17	119	5	7	7	756	7							
religious, racial/ethnic,		2	Sometimes	8	44	758	30	31	33	3,688	32							
gender, etc.) in course		3	Often	3	17	1,037	41	34	36	4,494	39							
discussions or		4	Very often	4	22	632	25	22	23	2,621	23							
assignments			Total	18	100	2,546	100	94	100	11,559	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

First-Year Stu	dents ^a in					Freque	ncy Di	stributior	IS				Sta	atistical	Compari	sons ^k		
Interdisc. Stud	dies							Quality		NSSE 2018	3&			Yourj	first-year stud	ents compo	ared with	
				Tennessee	Tech	Carnegie C	lass	Assuranc		2019		Tennessee Tech	Carnegi	e Class	Quality A	ssurance	NSSE 201	.8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name ¹ RIownview	Values'	ⁿ Response options Never	Count 0	%	Count 70	%	Count 1	<u>%</u> 1	Count 354	<u>%</u> 3	Mean	Mean	size "	Mean	size ⁿ	Mean	size "
 d. Examined the strengths and weaknesses of 	Klownview	2		Ŭ				-										
your own views on a		2	Sometimes	5	28	726	28	33	35	3,247	28							
topic or issue		3 4	Often	8	44 28	1,186 570	46 22	46 14	49 15	5,476 2,477	47 21							
		4	Very often Total							<i>,</i>								
T 1 4 1 4	DI .	1		18	100	2,552	100	94	100	11,554	100							
e. Tried to better understand someone	RIperspect	1	Never	0	0		2	1	1	201	2							
else's views by		2	Sometimes	6	33	589	23	24	26	2,674	23							
imagining how an issue		3	Often	4	22	1,217	48	46	49	5,602	49							
looks from their		4	Very often	8	44	699	27	23	24	3,073	27							
perspective			Total	18	100	2,549	100	94	100	11,550	100							
f. Learned something that	RInewview	1	Never	0	0	53	2	2	2	239	2							
changed the way you		2	Sometimes	8	44	685	27	29	31	3,124	27							
understand an issue or		3	Often	7	39	1,179	46	47	50	5,419	47							
concept		4	Very often	3	17	631	25	16	17	2,764	24							
			Total	18	100	2,548	100	94	100	11,546	100							
g. Connected ideas from	RIconnect	1	Never	0	0	19	1	3	3	99	1							
your courses to your		2	Sometimes	5	28	428	17	20	22	2,031	18							
prior experiences and knowledge		3	Often	6	33	1,322	52	49	53	5,868	51							
knowledge		4	Very often	7	39	771	30	21	23	3,528	31							
			Total	18	100	2,540	100	93	100	11,526	100							
3. During the current sc	hool year, abo	ut how o	often have you done th	e following?														
a. Talked about career	SFcareer	1	Never	3	17	456	18	14	15	2,015	17							
plans with a faculty		2	Sometimes	8	44	1,133	44	36	38	4,973	43							
member		3	Often	4	22	619	24	23	24	2,891	25							
		4	Very often	3	17	341	13	21	22	1,673	14							
			Total	18	100	2,549	100	94	100	11,552	100							
b. Worked with a faculty	SFotherwork	1	Never	7	39	1,082	43	46	49	4,979	43							
member on activities		2	Sometimes	8	44	872	34	27	29	3,763	33							
other than coursework (committees, student		3	Often	2	11	416	16	10	11	1,877	16							
(committees, student groups, etc.)		4	Very often	1	6	175	7	11	12	908	8							
5-04P0, etc.)			Total	18	100	2,545	100	94	100	11,527	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stud	dents ^a in					Frequer	ncy Di	stributior	IS				Sta	atistical	Comparis	sons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	8&			Your j	irst-year stude	ents compo	ared with	
				Tennessee ⁻	Гech	Carnegie C	lass	Assuranc		2019		Tennessee Tech	Carnegi	e Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description c. Discussed course	name ¹ SFdiscuss	Values'	^a Response options Never	Count 7	% 39	Count 716	% 28	Count 27	% 30	Count 3,332	<u>%</u> 29	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size "
topics, ideas, or	SFuiscuss	2	Sometimes	7	39 39	1,175	28 46											
concepts with a faculty		2	Often	1		478	40 19	38 17	42 19	4,979 2,301	43 20							
member outside of		3		3	6 17	478	19 7	8	9	2,301 901	20							
class		4	Very often Total		17		100											
1 Discuss 1	CEf	1		18		2,541		90	100	11,513	100							
 d. Discussed your academic performance 	SFperform	1	Never	5	28	635	25	21	23	2,654	23							
with a faculty member		2	Sometimes	9	50	1,194	47	36	39	5,211	45							
		3	Often	3	17	525	21	23	25	2,638	23							
		4	Very often	1	6	191	8	13	14	1,016	9							
			Total	18	100	2,545	100	93	100	11,519	100							
4. During the current sc	hool year, how	much l	nas your coursework e	mphasized th	e follo	owing?												
a. Memorizing course	memorize	1	Very little	0	0	99	4	5	5	517	4							
material		2	Some	4	22	647	25	18	19	3,188	28							
		3	Quite a bit	4	22	1,184	46	46	49	5,333	46							
		4	Very much	10	56	617	24	24	26	2,505	22							
			Total	18	100	2,547	100	93	100	11,543	100							
b. Applying facts,	HOapply	1	Very little	1	6	73	3	5	5	414	4							
theories, or methods to		2	Some	7	39	706	28	25	27	3,093	27							
practical problems or new situations		3	Quite a bit	6	33	1,226	48	46	49	5,583	48							
new situations		4	Very much	4	22	540	21	17	18	2,428	21							
			Total	18	100	2,545	100	93	100	11,518	100							
c. Analyzing an idea,	HOanalyze	1	Very little	0	0	73	3	6	6	389	3							-
experience, or line of		2	Some	7	39	632	25	23	24	2,863	25							
reasoning in depth by examining its parts		3	Quite a bit	9	50	1,181	46	45	48	5,381	47							
examining its parts		4	Very much	2	11	656	26	20	21	2,881	25							
			Total	18	100	2,542	100	94	100	11,514	100							
d. Evaluating a point of	HOevaluate	1	Very little	2	11	56	2	4	4	292	3							
view, decision, or		2	Some	7	39	540	21	26	28	2,512	22							
information source		3	Quite a bit	6	33	1,217	48	40	43	5,552	48							
		4	Very much	3	17	720	28	24	26	3,141	27							
			Total	18	100	2,533	100	94	100	11,497	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

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5. During the current school year, to what extent have your instructors done the Following? a. Clearly explained course goals and requirements ETagoals 1 Very litele 0 0 33 1 1 1 202 2 a. Clearly explained course goals and requirements 0 0 33 1 1 1 202 2 a. Clearly explained course sessions in an organized way 2 Some 2 10 73 40 2,549 48 4 Very much 9 50 747 29 2.8 30 3.499 30 5. Taught course sessions in an organized way ETorganize 1 Very litel 0 0 63 1.287 51 32 34 5,415 22 3. Quice a bit 6 33 1.287 51 32 34 5,454 47 4 Very much 9 50 627 21 23 4,544 47 4 Very much 9 50 5 5 414 4 10 2,536 22 <td></td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			4								,								
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Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

b. Used numerical QRproblem 1 Never information to examine 2 Sometimes a real-world problem or issue (unemployment, climate change, public health, etc.) 7 Otal c. Evaluated what others have concluded from 2 Sometimes numerical information 3 Often 4 Very often Total 7. During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated number of papers, reports, etc.) 18 16-20 23 More than 20 Total			Frequer	ncy Di	stribution	S				Sta	atistical	Comparis	sons ^k		
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ssue (unemployment, climate change, public health, etc.) c. Evaluated what others have concluded from numerical information A Up to 5 pages A Up to 5 pages	2	12	706	42 28	40 22	43 23	4,743 3,199	41 28							
c. Evaluated what others health, etc.) Total c. Evaluated what others numerical information QRevaluate numerical information QRevaluate numerical information QRevaluate numerical information 2 Sometimes 3 Often 4 Very often Total 7. During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 21 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20															
c. Evaluated what others have concluded from numerical information 2 Sometimes 3 Often 4 Very often Total 7. During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version are estimated number of papers, reports, etc.) 5 Between 6 and 10 pages (Recoded version 1.5 1-2 0 None (Recoded version 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1-2 0 None 1.5 1.5 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	4	24	238	9	9	10	1,137	10							
have concluded from numerical information 2 Sometimes 3 Often 4 Very often Total 7 During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 14 b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 11 b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 11 b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 11 b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE Values 8 6-10 are by NSE Value 8 6-10 are	17	100	2,539	100	94	100	11,479	100							
have concluded from numerical information 2 Sometimes 3 Often 4 Very often Total 7 During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version of wrshort created 13 11-15 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version of wrmed created 4 3-5 by NSSE. Values 8 6-10 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version of wrmed created 4 3-5 by NSSE. Values 8 6-10 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version of wrmed created 13 11-15 by NSSE. Values 8 6-10 Total by NSE by NSSE. Values 8 6-10 Total by NSE by NSSE by NSE	3	18	487	19	25	27	2,362	21							
b. Between 6 and 10 wrmednum 0 None b. Between 6 and 10 wrmednum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 18 16-20 Total b. Between 6 and 10 wrmednum 0 None (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 Total b. Between 6 and 10 wrmednum 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 hy NSSE. Values 8 6-10 are estimated 13 11-15 hy NSSE. Values 13 11-15 hy NSE. Values 13 11-15 hy NSE. Values 14 14 14 14 14 14 14 14 14 14 14 14 14	9	53	1,094	43	37	39	4,988	44							
4 Very often Total 7. During the current school year, about how many papers, reports, or other v a. Up to 5 pages wrshortnum 0 None (Recoded version of wrshort created 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated number of papers, reports, etc.) 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version of wrmed created 4 3-5 by NSSE. Values 8 6-10 12 are estimated number of papers, reports, etc.) 1.5 1-2 12 b. Between 6 and 10 wrmednum 0 None 13 pages (Recoded version of wrmed created 4 3-5 5 by NSSE. Values 8 6-10 13 11-15 number of papers, reports, etc.) 13 11-15 14 16-20 13 11-15 16-20	2	12	744	29	22	23	3,135	27							
Total Total Total Total Total Total Total Total Number of pages (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13	3	18	208	8	10	11	965	8							
a. Up to 5 pages wrshortnum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	17	100	2,533	100	94	100	11,450	100							
a. Up to 5 pages wrshortnum 0 None (Recoded version 1.5 1-2 of wrshort created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 humber of papers, reports, etc.) 18 16-20	r writin	ng task	ks of the fo	llowing	g lengths ha	ve voi	been assig	ned? (Include those not	vet compl	eted.)				
(Recoded version of wrshort created by NSSE. Values 1.5 1-2 are estimated number of papers, reports, etc.) 8 6-10 13 11-15 18 16-20 23 More than 20 Total Total b. Between 6 and 10 wrmednum 0 pages (Recoded version of wrmed created 1.5 1-2 of wrmed created are estimated 4 3-5 by NSSE. Values 8 6-10 are estimated number of papers, reports, etc.) 13 11-15 18 16-20 13 11-15	3	18	90	4	8	9	460	4		, ee compi	cicai)				
b. Between 6 and 10 wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	5	29	428	17	17	18	1,813	16							
by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	3	18	822	32	27	29	3,606	31							
are estimated number of papers, reports, etc.) 13 11-15 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 None pages (Recoded version of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated number of papers, reports, etc.) 13 11-15	3	18	652	26	23	24	2,896	25							
number of papers, reports, etc.) 18 16-20 23 More than 20 Total b. Between 6 and 10 wrmednum 0 Pages (Recoded version of wrmed created by NSSE. Values 1.5 1.5 1-2 0 wrmed created are estimated 13 11-15 1.5 1-2 1.5 1.5 1.5 1.5 1.6 1.5 1.6 1.5 1.7 1.5 1.8 16-20	2	12	289	11		9	1,367	12							
b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	0	0	133	5	6	6	684	6							
b. Between 6 and 10 wrmednum 0 None pages (Recoded version 1.5 1-2 of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	1	6	129	5	5	5	693	6							
pages(Recoded version1.51-2of wrmed created43-5by NSSE. Values86-10are estimated1311-15number of papers, reports, etc.)1816-20	17	100	2,543	100	94	100	11,519	100							
of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	12	67	708	28	37	39	3,362	29							
of wrmed created 4 3-5 by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	3	17	992	39	34	36	4,433	39							
by NSSE. Values 8 6-10 are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	3	17	550	22	15	16	2,416	21							
are estimated 13 11-15 number of papers, reports, etc.) 18 16-20	0	0	193	8	5	5	895	8							
number of papers, reports, etc.) 18 16-20	0	0	70	3	2	2	267	2							
reports, etc.)	0	0	9	0	0	0	57	0							
	0	0	9	0	1	1	67	1							
		100	2,531	100	94	100	11,497	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

First-Year St	udents ^a in					Freque	ncy D	istributior	IS				Sta	atistical	Compari	sons ^k		
Interdisc. Stu				Tennessee	Tech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3 &	Tennessee Tech	Carneg	Your j ie Class	first-year stud Quality A	lents compo ssurance	nred with NSSE 201	
Item wording or description	Variable name ^I	Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effec size ^r
c. 11 pages or more	wrlongnum	0	None	16	89		74	73	78	8,515	74	mean	wicun	5120	Wicum	5/20	Wicun	5120
	(Recoded version	1.5	1-2	2	11	468	18	16	17	2,096	18							
	of wrlong created	4	3-5	0	0	96	4	2	2	447	4							
	by NSSE. Values	8	6-10	0	0	49	2	2	2	218	2							
	are estimated number of papers,	13	11-15	0	0	28	1	1	1	122	1							
	reports, etc.)	18	16-20	0	0	6	0	0	0	40	0							
	· · · · · · · · · · · · · · · · · · ·	23	More than 20	0	0	11	0	0	0	59	1							
			Total	18	100	2,536	100	94	100	11,497	100							
Estimated number of assigned pages of student writing.	wrpages (Continuous variab from wrshort, wrme		ded and summed by NSSE wrlong Values are															
	estimated pages of	assigned	l writing.)															
8. During the current	t school year, abou	t how	often have you had dis	cussions with	ı peoj	ole from the f	ollowi	ng groups?										
a. People of a race or	DDrace	1	Never	1	6		2	6	6	461	4							
ethnicity other than your own		2	Sometimes	6	33		21	20	21	2,632	23							
your own		3	Often	4	22		34	28	30	3,829	33							
		4	Very often	7	39		44	40	43	4,598	40							
			Total	18	100	,	100	94	100	11,520	100							
b. People from an	DDeconomic	1	Never	0	0		2	5	5	412	4							
economic background other than your own	1	2	Sometimes	5	28		21	21	22	2,483	22							
ouler ului your own		3	Often	4	22		37	29	31	4,283	37							
		4	Very often	9	50	· · ·	40	39	41	4,328	38							
			Total	18	100	,	100	94	100	11,506	100							
c. People with religious	-	1	Never	1	6		3	7	7	622	5							
beliefs other than your own	II.	2	Sometimes	6	33		24	29	31	3,049	26							
		3	Often	3	17		35	28	30	3,849	33							
		4	Very often	8	44		39	30	32	3,994	35							
			Total	18	100	,	100	94	100	11,514	100							
d. People with political views other than your	DDpolitical	1	Never	1	6		4	7	7	728	6							
views other than your		2	Sometimes	4	22		31	28	30	3,418	30							
own			00.00	4	22	840	33	32	34	3,772	33							
own		3	Often															
own		3 4	Very often Total	9	50 100		32 100	27 94	29 100	3,598 11,516	31 100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	dents ^a in					Freque	ncy Di	stributior	IS				St	atistica	l Compari	sons ^k		
Interdisc. Stud	dies							Quality		NSSE 2018	&				first-year stud	· ·		
the second term	Variable			Tennessee	ech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	Effect	Quality A	ssurance Effect	NSSE 201	8 & 2019 Effect
Item wording or description	name ¹	Values	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
9. During the current so	chool year, abo	ut how	often have you done th	ne following?														
a. Identified key	LSreading	1	Never	0	0	30	1	4	4	151	1							
information from		2	Sometimes	4	22	487	19	17	18	2,248	20							
reading assignments		3	Often	8	44	1,265	50	45	48	5,706	50							
		4	Very often	6	33	752	30	28	30	3,393	30							
			Total	18	100	2,534	100	94	100	11,498	100							
b. Reviewed your notes	LSnotes	1	Never	0	0	142	6	5	5	593	5							
after class		2	Sometimes	6	35	832	33	25	27	3,495	30							
		3	Often	5	29	895	35	33	35	4,217	37							
		4	Very often	6	35	667	26	30	32	3,191	28							
			Total	17	100	2,536	100	93	100	11,496	100							
c. Summarized what you	LSsummary	1	Never	0	0	168	7	8	9	640	6							
learned in class or from		2	Sometimes	5	29	806	32	28	30	3,592	31							
course materials		3	Often	8	47	1,034	41	34	36	4,644	40							
		4	Very often	4	24	531	21	24	26	2,631	23							
			Total	17	100	2,539	100	94	100	11,507	100							
10. During the current	school vear. to	what ex	tent have vour course	s challenged v	ou to	lo vour bes	t work	?										
	challenge	1	Not at all	0	0	20	1	2	2	89	1							
	0	2		0	0	21	1	1	1	122	1							
		3		0	0	120	5	6	6	527	5							
		4		3	18	340	13	7	7	1,456	13							
		5		7	41	987	39	28	30	4,042	35							
		6		4	24	619	24	24	26	2,916	25							
		7	Very much	3	18	427	17	26	28	2,337	20							
			Total	17	100	2,534	100	94	100	11,489	100							
11. Which of the follow	ing have you d	one or d	o you plan to do befor	e vou gradua	te?°													
a. Participate in an	intern		Have not decided	3	18	225	9	15	16	1,231	11							
internship, co-op, field	(Means indicate		Do not plan to do	3	18	98	4	3	3	568	5							
experience, student	the percentage		Plan to do	10	59	1,988	78	70	74	8,745	76							
teaching, or clinical	who responded		Done or in progress	1	6	229	9	6	6	977	8							
placement	"Done or in progress.")		Total	17	100	2,540	100	94	100	11,521	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

First-Year Stu	dents ^a in				Freque	ncy Di	stributior	S				Sta	atistical	Compari	sons ^k		
Interdisc. Stud	dies		Tennessee	[ech	Carnegie C	lass	Quality Assuranc	e	NSSE 2018 2019	3&	Tennessee Tech	Carneg		first-year stud Quality A		nred with NSSE 201	18 & 2019
Item wording	Variable				earnegie e	1400	,	-	2010			earrieg	Effect	Quanty	Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
 b. Hold a formal leadership role in a 	leader	Have not decided	7	41	506	20	32	34	2,740	24							
student organization or	(Means indicate	Do not plan to do	3	18	388	15	18	19	2,177	19							
group	the percentage	Plan to do	7	41	1,210	48	33	35	4,894	43							
	who responded "Done or in	Done or in progress	0	0	429	17	11	12	1,687	15							
	progress.")	Total	17	100	2,533	100	94	100	11,498	100							
c. Participate in a learning	learncom	Have not decided	9	53	731	29	31	33	3,691	32							
community or some	(Means indicate	Do not plan to do	5	29	769	30	20	21	3,151	27							
other formal program where groups of	the percentage	Plan to do	2	12	607	24	31	33	3,031	26							
students take two or	who responded	Done or in progress	1	6	422	17	12	13	1,607	14							
more classes together	"Done or in progress.")	Total	17	100	2,529	100	94	100	11,480	100							
d. Participate in a study	abroad	Have not decided	4	24	523	21	29	31	2,787	24							
abroad program	(Means indicate	Do not plan to do	9	53	352	14	25	27	2,408	21							
	the percentage	Plan to do	4	24	1,554	61	39	41	5,889	51							
	who responded	Done or in progress	0	0	103	4	1	1	405	4							
	"Done or in progress.")	Total	17	100	2,532	100	94	100	11,489	100							
e. Work with a faculty	research	Have not decided	5	31	936	37	37	39	4,481	39							
member on a research	(Means indicate	Do not plan to do	4	25	656	26	28	30	2,907	25							
project	the percentage	Plan to do	7	44	825	33	24	26	3,600	31							
	who responded	Done or in progress	0	0	119	5	5	5	510	4							
	"Done or in progress.")	Total	16	100	2,536	100	94	100	11,498	100							
f. Complete a culminating		Have not decided	10	59	735	29	28	30	3,315	29							
senior experience	•	Do not plan to do	2	12	237	9	6	6	982	9							
(capstone course,	(Means indicate the percentage	Plan to do	5	29	1,516	60	57	61	6,981	61							
senior project or thesis,	who responded	Done or in progress	0	0	41	2	3	3	204	2							
comprehensive exam, portfolio, etc.)	"Done or in	Total	17	100	2,529	100	94	100	11,482	100							
portiono, etc.)	progress.")	Total	17	100	2,329	100	94	100	11,402	100							
12. About how many of	vour courses at	this institution have include	d a communit	v-bas	ed project (s	ervice	learning)?										
	servcourse	1 None	10	59	1,341	53	47	50	5,403	47							
		2 Some	7	41	1,016	40	38	40	4,998	44							
		3 Most	0	0	145	6	8	9	876	8							
		4 All	0	0	34	1	1	1	203	2							
		Total	17	100	2,536	100	94	100	11,480	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	idents ^a in					Freque	ncy Di	stribution	IS				Stat	tistical	Compari	sons ^k		
Interdisc. Stu	dies			Tennessee 1	Геch	Carnegie C	ass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carnegie		first-year stud Quality A		nred with NSSE 2018	8 & 2019
Item wording	Variable	Values ^m				c , ,		6 1		6 1	~			Effect size "		Effect size "		Effect size "
or description 13. Indicate the quality	name'		Response options	Count	% itutio	Count	%	Count	%	Count	%	Mean	Mean	size	Mean	size	Mean	size
a. Students	QIstudent		Poor	0	0	32	1	1	1	163	1							
u pracino	Quotadoni	2	1001	0	0	45	2	6	6	237	2							
		3		2	12	113	4	6	6	564	5							
		4		4	24	287	11	9	10	1,448	13							
		5		0	0	719	28	24	26	3,048	26							
		6		6	35	694	27	18	19	2,929	25							
		7	Excellent	5	29	643	25	29	31	2,945	26							
		_	Not applicable	0	0	7	0	0	0	177	2							
			Total	17	100	2,540	100	93	100	11,511	100							
b. Academic advisors	QIadvisor	1	Poor	0	0	62	2	4	4	304	3							
		2		0	0	87	3	8	9	435	4							
		3		4	24	178	7	4	4	804	7							
		4		1	6	345	14	10	11	1,479	13							
		5		2	12	523	21	20	21	2,278	20							
		6		6	35	561	22	15	16	2,382	21							
		7	Excellent	4	24	746	29	31	33	3,614	31							
		_	Not applicable	0	0	33	1	2	2	207	2							
			Total	17	100	2,535	100	94	100	11,503	100							
c. Faculty	QIfaculty	1	Poor	0	0	26	1	1	1	112	1							
		2		0	0	54	2	3	3	241	2							
		3		0	0	129	5	8	9	576	5							
		4		3	18	362	14	14	15	1,504	13							
		5		3	18	736	29	19	20	2,993	26							
		6		7	41	734	29	23	24	3,266	28							
			Excellent	3	18	481	19	25	27	2,706	24							
			Not applicable	1	6	12	0	1	1	102	1							
			Total	17	100	2,534	100	94	100	11,500	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stud	dents ^a in					Freque	ncy D	istribution	S				St	atistica	l Compari	sons ^k		
Interdisc. Stuc	lies			Tennessee ⁻	Tech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carneg	Your	first-year stuc Quality A	<u> </u>	nred with NSSE 201	.8 & 2019
Item wording	Variable		~											Effect		Effect		Effect
or description d. Student services staff	name' QIstaff	Values' 1	ⁿ Response options Poor	Count 0	% 0	Count 68	%	Count 6	% 6	Count 365	<u>%</u> 3	Mean	Mean	size "	Mean	size "	Mean	size ⁿ
(career services,	Qistan	2	FOOI	0	0	88	3	7	7	404	4							
student activities,		2		1	6	147	6	5	5	404 751	4							
housing, etc.)		4		1	6	422	17	5 14	15	1,644	, 14							
		4		1	12	422 570	22	14 16	13	2,505	22							
		5		5	12 29		22 24			,								
		6 7	Encellent	-		601		15	16	2,422	21							
		/	Excellent	3	18 29	490 150	19	24 7	26 7	2,439 964	21 8							
		_	Not applicable Total	5 17	29 100	2,536	6 100	94	100	964 11,494	8 100							
e. Other administrative	OIadmin	1	Poor	0	0	2,530	3	8	9	367	3							
staff and offices	Qiadiimi	2	1001	0	0	95	4	7	7	472	4							
(registrar, financial aid,		3		2	13	197	8	7	, 7	865	8							
etc.)		4		4	25	439	17	10	11	1,757	15							
		5		2	13	554	22	20	21	2,465	21							
		6		- 6	38	504	20	12	13	2,389	21							
		7	Excellent	2	13	412	16	25	27	2,408	21							
		_	Not applicable	0	0	257	10	5	5	782	7							
			Total	16	100	2,536	100	94	100	11,505	100							
14. How much does you	r institution en	nphasize	e the following?															
a. Spending significant	empstudy	1	Very little	0	0	30	1	0	0	207	2							
amounts of time	1 5	2	Some	3	18	569	22	18	19	2,497	22							
studying and on		3	Ouite a bit	9	53	1,315	52	50	53	5,756	50							
academic work		4	Very much	5	29	622	25	26	28	3,040	26							
			Total	17	100	2,536	100	94	100	11,500	100							
b. Providing support to	SEacademic	1	Very little	0	0	72	3	9	10	364	3							
help students succeed		2	Some	4	24	567	22	11	12	2,462	21							
academically		3	Quite a bit	6	35	1,187	47	42	45	5,054	44							
		4	Very much	7	41	706	28	32	34	3,602	31							
			Total	17	100	2,532	100	94	100	11,482	100							
c. Using learning support	SElearnsup	1	Very little	2	12	122	5	6	6	569	5							
services (tutoring		2	Some	4	24	526	21	10	11	2,171	19							
services, writing		3	Quite a bit	4	24	1,053	42	32	34	4,439	39							
center, etc.)		4	Very much	7	41	830	33	46	49	4,299	37							
			Total	17	100	2,531	100	94	100	11,478	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stud	lents ^a in					Frequer	ncy Di	stribution	S				Sta	atistical	Comparis	sons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	&			Yourj	first-year stude	ents compo	ared with	
				Tennessee	Tech	Carnegie Cl	ass	Assuranc	e	2019		Tennessee Tech	Carnegi		Quality As		NSSE 201	8 & 2019
Item wording or description	Variable name ^I	Values [*]	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
d. Encouraging contact	SEdiverse	1	Very little	1	6	251	10	15	16	1,236	11	Mean	weun	3120	Weun	3120	Weun	5120
among students from		2	Some	5	29	688	27	19	20	3,078	27							
different backgrounds (social, racial/ethnic,		3	Quite a bit	7	41	951	38	29	31	4,170	36							
religious, etc.)		4	Very much	4	24	640	25	30	32	2,986	26							
			Total	17	100	2,530	100	93	100	11,470	100							
e. Providing opportunities	SEsocial	1	Very little	0	0	99	4	8	9	618	5							
to be involved socially		2	Some	4	24	542	21	21	22	2,546	22							
		3	Quite a bit	7	41	1,079	43	34	36	4,650	41							
		4	Very much	6	35	807	32	31	33	3,660	32							
			Total	17	100	2,527	100	94	100	11,474	100							
f. Providing support for	SEwellness	1	Very little	1	6	159	6	8	9	860	8							
your overall well-being (recreation, health care,		2	Some	3	18	582	23	18	19	2,736	24							
counseling, etc.)		3	Quite a bit	6	35	1,053	42	34	36	4,522	39							
<u> </u>		4	Very much	7	41	735	29	34	36	3,344	29							
			Total	17	100	2,529	100	94	100	11,462	100							
g. Helping you manage	SEnonacad	1	Very little	1	6	564	22	25	27	2,625	23							
your non-academic responsibilities (work,		2	Some	6	35	951	38	23	24	4,153	36							
family, etc.)		3	Quite a bit	8	47	700	28	27	29	3,137	27							
		4	Very much	2	12	309	12	19	20	1,548	14							
			Total	17	100	2,524	100	94	100	11,463	100							
 h. Attending campus activities and events 	SEactivities	1	Very little	0	0	147	6	6	6	1,084	9							
(performing arts,		2	Some	7	41	600	24	21	23	2,831	25							
athletic events, etc.)		3	Quite a bit	6	35	1,063	42	37	40	4,485	39							
		4	Very much	4	24	721	28	29	31	3,057	27							
Attending seconds that	<u>6</u>	1	Total	17	100	2,531	100	93	100	11,457	100							
 Attending events that address important 	SEevents	1	Very little	2	12	288	11	13	14	1,592	14							
social, economic, or		2	Some	5	29	888	35	31	33	3,936	34							
political issues		3	Quite a bit	3	41	942	37	27	29 24	3,920	34							
		4	Very much	3 17	18	416	16 100	23	24	2,030	18							
			Total	17	100	2,534	100	94	100	11,478	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	dents ^a in					Freque	ncy Di	stribution	s				Statisti	cal Comp	arisons ^k		
Interdisc. Stu	dies			Tennessee	Геch	Carnegie C	lass	Quality Assuranc	е	NSSE 2018 2019	8&	Tennessee Tech	Ya Carnegie Clas		students comp	ared with NSSE 201	8 & 2019
Item wording or description 15. About how many he	Variable name ¹ ours do you spend	Values" d in a t		Count	% ing?	Count	%	Count	%	Count	%	Mean	Effe Mean size	ct	Effect	Mean	Effect size "
a. Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmprephrs (Recoded version of tmprep created by NSSE. Values are estimated number of hours per week.)	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs Total	0 2 8 1 2 2 2 0 17	0 12 47 6 12 12 12 12 0 100	305 637 610 513 238 115 99	0 12 25 24 20 9 5 4 100	0 19 28 22 13 2 4 6 94	0 20 30 23 14 2 4 6	40 1,583 2,886 2,679 2,248 1,090 540 399 11,465	0 14 25 23 20 10 5 3 100						
b. Participating in co- curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs (Recoded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs Total	8 7 2 0 0 0 0 0 0 0 17	47 41 12 0 0 0 0 0 0 0 0 0 100	485 904 567 271 161 76 23 42	19 36 22 11 6 3 1 2 100	35 34 10 6 4 0 2 1 92	38 37 11 7 4 0 2 1 100	3,172 3,778 2,081 1,166 674 313 114 169 11,467	28 33 18 10 6 3 1 1 100						
c. Working for pay on campus	tmworkonhrs (Recoded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	0 3 8 13 18 23 28 33	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs 16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs Total	13 0 2 1 0 0 0 1 1 17	76 0 12 6 0 0 0 0 6 100	113 211 185 117 39 7 19	73 4 8 7 5 2 0 1 100	69 3 8 5 3 2 3 1 94	73 3 9 5 3 2 3 1 100	8,497 580 1,033 661 438 141 38 82 11,470	74 5 9 6 4 1 0 1 100						



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	ıdents ^a in					Frequer	ncy D	istribution	S				Sta	atistical	l Compari:	sons ^k		
Interdisc. Stu	dies							Quality		NSSE 2018	8&	T			first-year stud	,		
				Tennessee	lech	Carnegie C	ass	Assurance	е	2019		Tennessee Tech	Carnegi		Quality As		NSSE 2018	
Item wording	Variable													Effect		Effect		Effect
or description	name ¹	Values ⁿ 0		Count 11	% 65	Count 1,892	% 75	Count 51	% 54	Count	% 68	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
 d. Working for pay off campus 	tmworkoffhrs		0 hrs							7,802								
on campus	(Recoded version	3	1-5 hrs	0	0	132	5	6	6	590	5							
	of tmworkoff	8	6-10 hrs	1	6	136	5	6	6	625	5							
	created by NSSE.	13	11-15 hrs	1	6	117	5	8	9	584	5							
	Values are estimated number	18	16-20 hrs	1	6	112	4	6	6	640	6							
	of hours per	23	21-25 hrs	0	0	72	3	3	3	396	3							
	week.)	28	26-30 hrs	0	0	32	1	7	7	225	2							
		33	More than 30 hrs	3	18	39	2	7	7	624	5							
			Total	17	100	2,532	100	94	100	11,486	100							
Estimated number of	tmworkhrs																	
hours working for pay	(Continuous variable created by NSSE)																	
e. Doing community	tmservicehrs	0	0 hrs	12	71	1,418	56	52	55	6,494	57							
service or volunteer	(Recoded version	3	1-5 hrs	5	29	837	33	26	28	3,562	31							
work	of tmservice	8	6-10 hrs	0	0	142	6	7	7	731	6							
	created by NSSE.	13	11-15 hrs	0	0	67	3	6	6	344	3							
	Values are	18	16-20 hrs	0	0	33	1	1	1	174	2							
	estimated number	23	21-25 hrs	0	0	22	1	0	0	89	1							
	of hours per	28	26-30 hrs	0	0	7	0	0	0	27	0							
	week.)	33	More than 30 hrs	0	0	6	0	2	2	65	1							
		55	Total	17	100	2,532	100	2 94	100	11,486	100							
f. Relaxing and	tmrelaxhrs	0	0 hrs	0	0	19	100	2	2	183	2							
socializing (time with		3	1-5 hrs	7	41	357	14	20	21	2,117	18							
friends, video games,	(Recoded version of tmrelax created		6-10 hrs	5	29	699	28	20	24	3,092	27							
TV or videos, keeping	by NSSE. Values	13	11-15 hrs	4	29	579	23	15	16	2,428	21							
up with friends online,	are estimated	13	16-20 hrs	4	0	443	18	13	12	1,779	16							
etc.)	number of hours		21-25 hrs	0	0	443 179	18	8	9	759	7							
	per week.)	23																
		28	26-30 hrs	0	0	93	4	3	3	387	3							
		33	More than 30 hrs	1	6	161	6	12	13	728	6							
			Total	17	100	2,530	100	94	100	11,473	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stu	idents ^a in					Freque	ncy Di	stributior	IS				Stat	tistical	Comparis	sons ^k		
Interdisc. Stu	dies							Quality		NSSE 2018	&			Your f	irst-year stude	ents compo	ared with	
				Tennessee ⁻	Tech	Carnegie C	lass	Assuranc		2019		Tennessee Tech	Carnegie	Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name'	Values [®] 0	ⁿ Response options 0 hrs	Count 11	% 65	Count 2,131	% 84	Count	% 71	Count 8,943	% 78	Mean	Mean	size "	Mean	size "	Mean	size "
 g. Providing care for dependents (children, 	tmcarehrs	3	0 hrs 1-5 hrs	3		2,131	84 8	65 12			78 9							
parents, etc.)	(Recoded version	8	6-10 hrs	2	18 12	70	8 3	13	14 4	1,010 411	9 4							
1	of tmcare created by NSSE. Values	8 13		2	12	70 52	3 2	4	4		4							
	are estimated	15	11-15 hrs 16-20 hrs	0	0	52 36	2	4	4	293 192								
	number of hours	18 23		0	0	36 22	1	0	0		2 1							
	per week.)		21-25 hrs		0		-			115								
		28	26-30 hrs	0	Ŭ	6	0	2 4	2	44	0							
		33	More than 30 hrs Total	1 17	6 100	23 2,531	1 100	4 92	4 100	454 11,462	4 100							
h. Commuting to campus	tmcommutehrs	0	0 hrs	5	29	1,014	40	35	37	5,711	50							
(driving, walking, etc.)		3	1-5 hrs	8	47	998	39	40	43	3,646	32							
	(Recoded version of tmcommute	8	6-10 hrs	2	12	270	11	9	10	1,100	10							
	created by NSSE.	13	11-15 hrs	2	6	130	5	4	4	471	4							
	Values are	13	16-20 hrs	1	6	55	2	2	2	258	2							
	estimated number		21-25 hrs	0	0		_	2	2									
	of hours per	23			Ŭ	32	1			108	1							
	week.)	28	26-30 hrs	0	0	12	0	1	1	49	0							
		33	More than 30 hrs	0	0	25	1	1	1	154	1							
			Total	17	100	2,536	100	94	100	11,497	100							
16. Of the time you spo	end preparing for	· class i	in a typical 7-day weel	k, about how	much	is on assigne	ed read	ling?										
	reading	1	Very little	3	18	259	10	15	16	1,052	9							
		2	Some	5	29	820	32	33	35	3,411	30							
		3	About half	4	24	743	29	26	28	3,648	32							
		4	Most	4	24	517	20	14	15	2,488	22							
		5	Almost all	1	6	196	8	6	6	899	8							
			Total	17	100	2,535	100	94	100	11,498	100							
	tmreadinghrs																	
			lated as a proportion															
	sed on reading, where t half=.50; Most=.75																	
	•																	



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year St	udents ^a in					Freque	ncy Di	stribution	S				Sta	atistica	l Compari	sons ^k		
Interdisc. St				Tennessee	Геch	Carnegie C	lass	Quality Assurance	9	NSSE 2018 2019	&	Tennessee Tech	Carneg	ie Class	first-year stud Quality A	surance	nred with NSSE 201	
Item wording or description	Variable name ¹	Values'	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
	tmreadinghrscol	1	0 hrs	0	0		0	0	0	40	0							
	(Collapsed version of tmreadinghrs	2	More than zero, up to 5 hrs	10	59	1,260	50	59	63	5,594	49							
	created by NSSE.)	3	More than 5, up to 10 hrs	2	12	782	31	26	28	3,513	31							
		4	More than 10, up to 15 hrs	2	12	239	9	5	5	1,189	10							
		5	More than 15, up to 20 hrs	2	12	119	5	2	2	559	5							
		6	More than 20, up to 25 hrs	0	0	86	3	1	1	402	4							
		7	More than 25 hrs	1	6		1	1	1	140	1							
			Total	17	100	2,521	100	94	100	11,437	100							
	our experience at th	his inst	itution contributed to	your knowled	lge, sl	kills, and per	sonal	developmen	t in th	e following	areas	?						
a. Writing clearly and	pgwrite	1	Very little	1	6		6	2	2	597	5							
effectively		2	Some	5	29	629	25	25	27	2,801	24							
		3	Quite a bit	6	35	1,101	43	39	41	4,959	43							
		4	Very much	5	29	654	26	28	30	3,116	27							
			Total	17	100	2,534	100	94	100	11,473	100							
 b. Speaking clearly and effectively 	pgspeak	1	Very little	2	12		10	8	8	950	8							
encenvery		2	Some	2	12		30	25	26	3,148	27							
		3	Quite a bit	9	53	982	39	31	33	4,534	39 25							
		4	Very much Total	4 17	24 100	546 2,531	22 100	31 95	33 100	2,848 11,480	25 100							
c. Thinking critically an	nd pgthink	1	Very little	0	0		3	93	100	319	3							
analytically	ia pguink	2	Some	3	18	445	18	13	14	2,073	18							
5 5		3	Quite a bit	5	29	1,162	46	40	42	5,147	45							
		4	Very much	9	53	860	34	41	43	3,955	34							
			Total	17	100	2,535	100	95	100	11,494	100							
d. Analyzing numerical	pganalyze	1	Very little	3	100	495	20	17	18	2,184	100							
and statistical	r 8 j	2	Some	3	17	874	34	36	38	4,083	36							
information		3	Quite a bit	8	44	796	31	28	29	3,436	30							
		4	Very much	4	22	369	15	14	15	1,783	16							
			Total	18	100	2,534	100	95	100	11,486	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Stud	dents ^a in					Frequer	ncy Di	stribution	S				Sta		Comparis			
Interdisc. Stud	lies							Quality		NSSE 2018	&			Your f	irst-year stude	ents compo	ared with	
				Tennessee T	ech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegie	e Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable		7 -				- 1		- /		- 1			Effect		Effect		Effect
e. Acquiring job- or work-	name ¹ pgwork	Values' 1	ⁿ Response options Very little	Count 2	% 11	Count 299	% 12	Count 16	% 17	Count 1,353	% 12	Mean	Mean	size "	Mean	size "	Mean	size "
related knowledge and	18	2	Some	8	44	789	31	22	23	3,533	31							
skills		3	Quite a bit	4	22	932	37	31	33	4,098	36							
		4	Very much	4	22	515	20	26	27	2,507	22							
			Total	18	100	2,535	100	95	100	11,491	100							
f. Working effectively	pgothers	1	Very little	0	0	138	5	5	5	638	6							
with others		2	Some	6	33	704	28	22	23	2,971	26							
		3	Quite a bit	8	44	1,043	41	41	44	4,780	42							
		4	Very much	4	22	646	26	26	28	3,098	27							
			Total	18	100	2,531	100	94	100	11,487	100							
g. Developing or	pgvalues	1	Very little	3	17	246	10	10	11	1,050	9							
clarifying a personal		2	Some	7	39	730	29	19	20	3,096	27							
code of values and ethics		3	Quite a bit	5	28	963	38	43	45	4,483	39							
ethes		4	Very much	3	17	594	23	23	24	2,870	25							
			Total	18	100	2,533	100	95	100	11,499	100							
h. Understanding people	pgdiverse	1	Very little	1	6	174	7	9	9	903	8							
of other backgrounds		2	Some	8	44	625	25	24	25	2,950	26							
(economic, racial/ethnic, political,		3	Quite a bit	5	28	1,013	40	33	35	4,422	38							
religious, nationality,		4	Very much	4	22	719	28	29	31	3,219	28							
etc.)			Total	18	100	2,531	100	95	100	11,494	100							
i. Solving complex real-	pgprobsolve	1	Very little	2	11	262	10	10	11	1,223	11							
world problems		2	Some	9	50	802	32	25	27	3,643	32							
		3	Quite a bit	2	11	952	38	40	43	4,261	37							
		4	Very much	5	28	520	21	19	20	2,362	21							
			Total	18	100	2,536	100	94	100	11,489	100							
j. Being an informed and	pgcitizen	1	Very little	3	17	188	7	14	15	1,070	9							
active citizen		2	Some	7	39	745	29	21	22	3,287	29							
		3	Quite a bit	7	39	942	37	38	40	4,293	37							
		4	Very much	1	6	664	26	22	23	2,853	25							
			Total	18	100	2,539	100	95	100	11,503	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

First-Year Studer	nts ^a in					Frequer	ncy Di	stribution	S				St	atistical	l Compari	sons ^k		
Interdisc. Studies	S							Quality		NSSE 2018	8&			Yourj	first-year stud	ents comp	ared with	
				Tennessee T	ech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carneg	ie Class	Quality A	surance	NSSE 2018	3 & 2019
nem moraling	Variable name ¹	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
18. How would you evaluate	your entir	e educa	tional experience at th	is institution	?													
	evalexp	1	Poor	0	0	30	1	2	2	188	2							
		2	Fair	3	17	275	11	13	14	1,396	12							
		3	Good	9	50	1,212	48	50	53	5,632	49							
		4	Excellent	6	33	1,025	40	29	31	4,302	37							
			Total	18	100	2,542	100	94	100	11,518	100							
19. If you could start over ag	gain, would	l you go	to the same institution	<i>i</i> you are nov	v atte	nding?												
S	sameinst	1	Definitely no	0	0	82	3	5	5	405	4							
		2	Probably no	2	11	258	10	14	15	1,449	13							
		3	Probably yes	8	44	1,033	41	31	33	4,719	41							
		4	Definitely yes	8	44	1,174	46	45	47	4,968	43							
			Total	18	100	2,547	100	95	100	11,541	100							
20. Do you intend to return t	to this insti	tution r	next year? ^f															
r	eturnexp		No	0	0	81	3	4	4	506	4							
(Means indicate the per	0		Yes	18	100	2,322	91	82	88	10,142	88							
respo	onded "Yes.")	Not sure	0	0	146	6	7	8	879	8							
			Total	18	100	2,549	100	93	100	11,527	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Freque	ncy Di	stribution	S				Sta	tistical	Comparise	ons ^k		
Interdisc. Stu	dies							Quality		NSSE 2018	3&				Your seniors co	mpared v	vith	
				Tennessee	ſech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegie	e Class	Quality Ass	urance	NSSE 2018	& 2019
Item wording	Variable													Effect		Effect		Effect
or description	name'	Values"	· ·	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size ⁿ
1. During the current se	chool year, abou	it how o	•	U														
a. Asked questions or	askquest	1	Never	0	0		2	0	0	316	2							
contributed to course discussions in other		2	Sometimes	12	23	857	23	29	20	3,677	20							
ways		3	Often	12	23	1,157	31	43	30	5,672	30	3.3	3.2	.15	3.3	.01	3.3	.06
		4	Very often	28	54	1,637	44	72	50	9,092	48							
			Total	52	100	3,708	100	144	100	18,757	100							
b. Prepared two or more	drafts	1	Never	5	10	827	22	21	15	3,523	19							
drafts of a paper or		2	Sometimes	15	29	1,383	37	47	33	6,529	35							
assignment before turning it in		3	Often	23	44	901	24	41	28	4,824	26	2.7	2.3 *	.36	2.6	.07	2.5	.21
turning it in		4	Very often	9	17	583	16	35	24	3,854	21							
			Total	52	100	3,694	100	144	100	18,730	100							
c. Come to class without	unpreparedr	1	Very often	1	2	306	8	5	3	1,099	6							
completing readings or	(Reverse-coded	2	Often	4	8	674	18	17	12	2,545	14							
assignments	version of	3	Sometimes	27	54	2,030	55	84	59	9,953	53	3.2	2.8 ***	.49	3.1	.24	3.0	.27
	unprepared	4	Never	18	36	695	19	37	26	5,157	27							
	created by NSSE.)		Total	50	100	3,705	100	143	100	18,754	100							
d. Attended an art exhibit,	attendart	1	Never	26	50	1,254	34	44	31	7,298	39							
play, or other arts		2	Sometimes	23	44	1,539	41	66	46	7,148	38							
performance (dance,		3	Often	3	6	618	17	15	10	2,776	15	1.6	2.0 ***	48	2.1 ***	57	1.9 ***	40
music, etc.)		4	Very often	0	0	300	8	19	13	1,551	8							
			Total	52	100	3,711	100	144	100	18,773	100		•		•		•	
e. Asked another student	CLaskhelp	1	Never	7	13	443	12	19	13	3,643	19							
to help you understand		2	Sometimes	31	60	1,607	43	60	42	8,001	43							
course material		3	Often	11	21	1,180	32	39	27	4,961	26	2.2	2.5 *	31	2.5 *	34	2.3	12
		4	Very often	3	6	480	13	25	17	2,170	12							
			Total	52	100	3,710	100	143	100	18,775	100		•		•			
f. Explained course	CLexplain	1	Never	3	6	192	5	10	7	1,930	10							
material to one or more	•	2	Sometimes	27	52	1,337	36	47	33	6,964	37							
students		3	Often	16	31	1,465	39	48	33	6,540	35	2.5	2.7 *	30	2.8 *	37	2.6	14
		4	Very often	6	12	717	19	39	27	3,347	18	210	V	.50	2 .0	,	2.0	.17
		•	Total	52	100	3.711	100	144	100	18.781	100		•		•			
			10101	52	100	3,711	100	144	100	10,701	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stributior	S				St	atistical	Comparis	ons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	3&				Your seniors co	ompared w	vith	
				Tennessee	Tech	Carnegie Cl	ass	Assuranc	е	2019		Tennessee Tech	Carneg	gie Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable		n .											Effect		Effect		Effect
g. Prepared for exams by	name ¹ CLstudy	Values'	ⁿ Response options Never	Count 9	% 17	Count 588	% 16	Count 25	% 17	Count 4,391	23	Mean	Mean	size "	Mean	size ⁿ	Mean	size ⁿ
discussing or working	Clistudy	2	Sometimes	21	40	1,387	37	29 50	35	6,551	35							
through course material		2	Often	15	29	1,122	30	41	28	5,077	27	2.4	2.5	09	2.5	12	2.3	.06
with other students		4	Very often	7	13	611	16	28	19	2,751	15	2.4	2.5	09	2.5	12	2.3	.00
		-	Total	52	100	3,708	100	144	100	18,770	100							
h. Worked with other	CLproject	1	Never	4	8	158	4	10	7	2,039	11							
students on course	elproject	2	Sometimes	15	29	937	25	42	29	5,141	27							
projects or assignments		2	Often	23	44	1,447	39	53	37	6,588	35	2.8	3.0	27	2.8	09	2.8	03
		4	Very often	10	19	1,172	32	38	27	5,024	27	2.0	5.0	27	2.0	09	2.0	05
		-	Total	52	100	3,714	100	143	100	18,792	100							
i. Given a course	present	1	Never	4	8	239	6	7	5	2,126	11							
presentation	1	2	Sometimes	16	31	975	26	43	30	4,808	26							
		3	Often	16	31	1,343	36	44	31	6,043	32	2.8	2.9	08	2.9	10	2.8	.02
		4	Very often	16	31	1,154	31	48	34	5,809	31	210	2.,	.00	2.0		2.0	.02
			Total	52	100	3,711	100	142	100	18,786	100							
2. During the current scl	hool year, abo	out how	often have you done th	e following?														
a. Combined ideas from	Rlintegrate	1	Never	2	4	103	3	5	3	631	3							
different courses when	U	2	Sometimes	14	27	794	21	35	24	4,758	25							
completing assignments		3	Often	24	46	1,582	43	48	34	7,569	40	2.9	3.1	22	3.1	22	3.0	12
		4	Very often	12	23	1,225	33	55	38	5,802	31		0.1		5.1		510	
			Total	52	100	3,704	100	143	100	18,760	100							
b. Connected your	RIsocietal	1	Never	2	4	112	3	3	2	758	4							
learning to societal		2	Sometimes	15	29	841	23	29	20	4,536	24							
problems or issues		3	Often	22	42	1,508	41	53	37	7,438	40	2.9	3.0	20	3.2 *	34	3.0	13
		4	Very often	13	25	1,246	34	59	41	6,035	32							
			Total	52	100	3,707	100	144	100	18,767	100				•			
c. Included diverse	RIdiverse	1	Never	3	6	192	5	10	7	1,117	6							
perspectives (political,		2	Sometimes	19	37	982	26	37	26	5,428	29							
religious, racial/ethnic, gender, etc.) in course		3	Often	16	31	1,461	39	53	37	6,962	37	2.8	2.9	15	2.9	12	2.9	09
discussions or		4	Very often	14	27	1,075	29	43	30	5,259	28							
assignments			Total	52	100	3,710	100	143	100	18,766	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				St	atistical	Comparis	ons ^k		
Interdisc. Stuc	terdisc. Studies							Quality		NSSE 2018	3&				Your seniors c	ompared w	vith	
				Tennessee 7	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg		Quality As		NSSE 201	
Item wording or description	Variable name ¹	Values [*]	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
d. Examined the strengths	RIownview	1	Never	3	6		2	5	3	502	3	Wean	Weun	5120	Meun	3120	Weun	5120
and weaknesses of		2	Sometimes	15	29	955	26	30	21	4,744	25							
your own views on a		3	Often	22	42	1,729	47	66	46	8,566	46	2.8	3.0	16	3.0	24	3.0	17
topic or issue		4	Very often	12	23	934	25	43	30	4,944	26							
			Total	52	100	3,700	100	144	100	18,756	100							
e. Tried to better	RIperspect	1	Never	1	2	64	2	4	3	304	2							
understand someone		2	Sometimes	10	20	692	19	26	18	3,817	20							
else's views by		3	Often	28	55	1,771	48	58	40	8,728	47	3.0	3.1	13	3.2	19	3.1	10
imagining how an issue looks from their		4	Very often	12	24	1,172	32	56	39	5,901	31							
perspective			Total	51	100	3,699	100	144	100	18,750	100							
f. Learned something that	RInewview	1	Never	1	2	48	1	4	3	254	1							
changed the way you		2	Sometimes	17	33	869	24	34	24	4,562	24							
understand an issue or		3	Often	19	37	1,690	46	49	34	8,393	45	2.9	3.0	14	3.1	21	3.0	13
concept		4	Very often	15	29	1,087	29	56	39	5,521	29							
			Total	52	100	3,694	100	143	100	18,730	100							
g. Connected ideas from	RIconnect	1	Never	1	2	10	0	0	0	80	0							
your courses to your		2	Sometimes	7	13	430	12	18	13	2,364	13							
prior experiences and knowledge		3	Often	29	56	1,751	47	56	39	8,685	46	3.1	3.3	25	3.4 *	34	3.3	22
knowledge		4	Very often	15	29	1,504	41	68	48	7,579	41							
			Total	52	100	3,695	100	142	100	18,708	100							
3. During the current sc	hool year, abo	ut how o	often have you done th	e following?														
a. Talked about career	SFcareer	1	Never	7	13	498	13	16	11	2,983	16							
plans with a faculty member		2	Sometimes	25	48	1,470	40	56	39	7,055	38							
member		3	Often	11	21	951	26	39	27	4,743	25	2.4	2.5	13	2.6	20	2.5	09
		4	Very often	9	17	780	21	33	23	3,963	21							
			Total	52	100	3,699	100	144	100	18,744	100							
b. Worked with a faculty	SFotherwork	1	Never	17	33	1,415	38	47	33	7,786	42							
member on activities other than coursework		2	Sometimes	21	40	1,158	31	48	33	5,391	29							
(committees, student		3	Often	12	23	646	17	26	18	3,144	17	2.0	2.1	07	2.2	19	2.0	03
groups, etc.)		4	Very often	2	4	477	13	23	16	2,406	13							
			Total	52	100	3,696	100	144	100	18,727	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Freque	ncy Di	stribution	S				St	atistical	Compari	sons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	8&				Your seniors o	ompared w	vith	
				Tennessee ⁻	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name'	Values		Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
c. Discussed course topics, ideas, or	SFdiscuss	1	Never	10	19	865	23	29	20	5,276	28							
concepts with a faculty		2	Sometimes	29	56	1,600	43	57	40	7,328	39							
member outside of		3	Often	10	19	818	22	32	23	3,941	21	2.1	2.2	10	2.4	26	2.2	05
class		4	Very often	3	6	406	11	24	17	2,157	12							
			Total	52	100	3,689	100	142	100	18,702	100							
d. Discussed your	SFperform	1	Never	9	17	836	23	29	20	4,062	22							
academic performance		2	Sometimes	27	52	1,684	46	50	35	8,232	44							
with a faculty member		3	Often	13	25	770	21	34	24	4,157	22	2.2	2.2	01	2.5	28	2.2	06
		4	Very often	3	6	407	11	31	22	2,286	12							
			Total	52	100	3,697	100	144	100	18,737	100							
4. During the current sci	hool year, hov	w much l	has your coursework e	emphasized th	e follo	owing?												
a. Memorizing course	memorize	1	Very little	1	2	340	9	6	4	1,791	10							
material		2	Some	18	35	1,180	32	50	35	6,508	35							
		3	Quite a bit	19	37	1,473	40	56	39	7,295	39	2.9	2.7	.22	2.8	.11	2.6 *	.29
		4	Very much	14	27	707	19	32	22	3,150	17							
			Total	52	100	3,700	100	144	100	18,744	100							
b. Applying facts,	HOapply	1	Very little	0	0	132	4	9	6	568	3							
theories, or methods to		2	Some	11	22	814	22	31	22	3,947	21							
practical problems or		3	Quite a bit	26	51	1,726	47	60	42	8,834	47	3.1	3.0	.09	3.0	.11	3.0	.05
new situations		4	Very much	14	27	1,024	28	44	31	5,386	29		210	.07	210		5.0	100
			Total	51	100	3,696	100	144	100	18,735	100							
c. Analyzing an idea,	HOanalyze	1	Very little	1	2	124	3	6	4	566	3							
experience, or line of		2	Some	12	23	813	22	30	21	4,098	22							
reasoning in depth by		3	Quite a bit	26	50	1,647	45	48	34	8,389	45	3.0	3.0	04	3.1	16	3.0	05
examining its parts		4	Very much	13	25	1.115	30	59	41	5.668	30		510		011		510	100
			Total	52	100	3,699	100	143	100	18,721	100							
d. Evaluating a point of	HOevaluate	1	Very little	2	4	112	3	10	7	496	3							
view, decision, or		2	Some	10	19	749	20	31	22	3,705	20							
information source		3	Quite a bit	24	46		45	46	32	8,599	46	3.0	3.1	02	3.0	.00	3.1	03
		4	Very much	16	31	1,185	32	57	40	5,923	32		0.1		2.0		2.1	.05
		•	Total	52	100	3,698	100	144	100	18,723	100							
			. 0111	52	100	5,070	100	144	100	10,723	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				St	atistical	Comparis	sons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	8&				Your seniors c	ompared v		
				Tennessee	Tech	Carnegie C	ass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality As		NSSE 201	
Item wording or description	Variable name ¹	Values [*]	Response options	Count	%	Count	%	Count	%	Count	0/	Mean	Mean	Effect size ⁿ	Mean	Effect size "	Mean	Effect size "
e. Forming a new idea or	HOform	1	Very little	3	6	117	3	3	2	497	<u>%</u> 3	wean	wean	SIZE	weun	SIZE	Weah	SIZE
understanding from		2	Some	10	19	783	21	31	22	3,918	21							
various pieces of		3	Quite a bit	25	48	1,731	47	53	37	8,750	47	3.0	3.0	07	3.1	21	3.0	09
information		4	Very much	14	27	1,066	29	57	40	5,546	30							
			Total	52	100	3,697	100	144	100	18,711	100							
5. During the current sci	hool year, to v	vhat exte	ent have your instructo	ors done the f	ollow	ing?												
a. Clearly explained	ETgoals	1	Very little	1	2	60	2	7	5	352	2							
course goals and		2	Some	8	15	602	16	27	19	3,028	16							
requirements		3	Quite a bit	26	50	1,742	47	54	38	8,241	44	3.1	3.2	03	3.1	.04	3.2	06
		4	Very much	17	33	1,295	35	56	39	7,107	38							
			Total	52	100	3,699	100	144	100	18,728	100							
b. Taught course sessions	ETorganize	1	Very little	2	4	99	3	6	4	608	3							
in an organized way		2	Some	8	15	690	19	33	23	3,302	18							
		3	Quite a bit	25	48	1,734	47	55	38	8,339	45	3.1	3.1	.02	3.0	.08	3.1	01
		4	Very much	17	33	1,175	32	49	34	6,480	35							
			Total	52	100	3,698	100	143	100	18,729	100							
c. Used examples or	ETexample	1	Very little	1	2	98	3	8	6	606	3							
illustrations to explain		2	Some	9	17	694	19	30	21	3,538	19							
difficult points		3	Quite a bit	21	40	1,626	44	51	36	7,781	42	3.2	3.1	.11	3.1	.16	3.1	.10
		4	Very much	21	40	1,279	35	54	38	6,788	36							
			Total	52	100	3,697	100	143	100	18,713	100							
d. Provided feedback on a	ETdraftfb	1	Very little	6	12	280	8	16	11	1,505	8							
draft or work in		2	Some	11	21	1,035	28	23	16	4,647	25							
progress		3	Quite a bit	16	31	1,367	37	46	32	6,734	36	2.9	2.8	.09	3.0	10	2.9	.02
		4	Very much	19	37	1,017	27	59	41	5,833	31							
			Total	52	100	3,699	100	144	100	18,719	100							
e. Provided prompt and	ETfeedback	1	Very little	3	6	270	7	12	8	1,169	6							
detailed feedback on tests or completed		2	Some	12	23	1,131	31	31	22	5,087	27							
assignments		3	Quite a bit	25	48	1,445	39	54	38	7,211	39	2.9	2.8	.12	2.9	05	2.9	.00
		4	Very much	12	23	844	23	45	32	5,229	28							
			Total	52	100	3,690	100	142	100	18,696	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

Seniors ^ª in						Frequer	ncy Di	stribution	S				St	atistical	Comparis	sons ^k		
Interdisc. Stu	terdisc. Studies				-ech	Carnegie C	ass	Quality Assuranc	e	NSSE 2018 2019	8&	Tennessee Tech	Carneg		Your seniors c Quality As		vith NSSE 2013	8 & 2019
Item wording		Values	ⁿ Pacpanca antianc	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
6. During the current			· ·		70	count	70	count	70	count	70	Mean	Weam	3120	wear	3120	Weam	3120
a. Reached conclusions	ORconclude	1	Never	6	12	520	14	19	13	2,675	14							
based on your own		2	Sometimes	19	37	1,444	39	54	38	7,204	39							
analysis of numerical		3	Often	24	47	1,210	33	44	31	6,111	33	2.4	2.5	04	2.5	12	2.5	05
information (numbers,		4	Very often	2	4	513	14	26	18	2,710	14							
graphs, statistics, etc.)			Total	51	100	3,687	100	143	100	18,700	100							
b. Used numerical	QRproblem	1	Never	9	18	675	18	29	20	3,509	19							
information to examine		2	Sometimes	21	41	1,407	38	52	36	7,224	39							
a real-world problem o	r	3	Often	16	31	1,101	30	38	27	5,352	29	2.3	2.4	06	2.4	07	2.4	04
issue (unemployment,		4	Very often	5	10	499	14	24	17	2,578	14		2	.00	2	107	2	.01
climate change, public health, etc.)		•	Total	51	100	3,682	100	143	100	18,663	100							
noulli, etc.)			1000		100	5,002	100	110	100	10,000	100							
c. Evaluated what others	QRevaluate	1	Never	9	18	625	17	24	17	3,571	19							
have concluded from		2	Sometimes	21	41	1,441	39	58	40	7,615	41							
numerical information		3	Often	18	35	1,139	31	40	28	5,289	28	2.3	2.4	12	2.4	13	2.3	03
		4	Very often	3	6	479	13	22	15	2,160	12							
			Total	51	100	3,684	100	144	100	18,635	100							
7. During the current	school year, abou	t how 1	many papers, reports,	or other writ	ing ta	sks of the fo	lowing	g lengths ha	ve you	ı been assig	ned? (Include those not	yet comp	leted.)				
a. Up to 5 pages	wrshortnum	0	None	4	8	139	4	8	6	613	3							
	(Recoded version	1.5	1-2	10	20	511	14	17	12	2,428	13							
	of wrshort created	4	3-5	10	20	1,057	29	43	30	5,114	27							
	by NSSE. Values	8	6-10	10	20	878	24	35	24	4,583	25	8.6	8.5	.03	8.5	.02	8.9	03
	are estimated	13	11-15	7	14	480	13	16	11	2,436	13							
	number of papers, reports, etc.)	18	16-20	3	6	275	7	7	5	1,438	8							
	reports, etc.)	23	More than 20	7	14	352	10	18	13	2,068	11							
			Total	51	100	3,692	100	144	100	18,680	100							
b. Between 6 and 10	wrmednum	0	None	19	37	661	18	37	26	3,239	17							
pages	(Recoded version	1.5	1-2	16	31	1,282	35	39	27	6,117	33							
	of wrmed created	4	3-5	10	19	1,016	28	36	25	5,263	28							
	by NSSE. Values	8	6-10	3	6	475	13	13	9	2,517	14	3.1	3.7	15	4.2	22	4.0	21
	are estimated	13	11-15	2	4	153	4	10	7	818	4							
	number of papers, reports, etc.)	18	16-20	0	0	46	1	3	2	340	2							
	reports, etc.)	23	More than 20	2	4	39	1	5	3	344	2							
			Total	52	100	3,672	100	143	100	18,638	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

Seniors ^a in						Freque	ncy Dis	tribution	IS				Sta	tistical	Comparis	ons ^k		
	terdisc. Studies Item wording Variable or description name 'Values ^m Response options					Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3 &	Tennessee Tech	Carnegie	e Class	Your seniors co Quality As	surance	vith NSSE 2018	& 2019 Effect
-		Values ["]	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	size"
c. 11 pages or more	wrlongnum	0	None	19	37	1,633	44	64	44	8,216	44							0.20
	(Recoded version	1.5	1-2	26	51	1,366	37	43	30	6,811	36							
	of wrlong created	4	3-5	4	8	463	13	19	13	2,238	12							
	by NSSE. Values	8	6-10	0	0	124	3	8	6	703	4	1.8	1.8	.00	2.7	19	2.0	05
	are estimated number of papers,	13	11-15	1	2	53	1	4	3	363	2							
	reports, etc.)	18	16-20	0	0	19	1	2	1	146	1							
	1 , ,	23	More than 20	1	2	30	1	4	3	195	1							
			Total	51	100	3,688	100	144	100	18,672	100							
Estimated number of assigned pages of student writing.	wrpages		I. I. MCCE									77.6	81.6	05	99.6	19	87.9	11
stutent writing.	(Continuous variab from wrshort, wrme estimated pages of	ed, and	-															
8. During the current	school year, abou	t how o	often have you had dis	cussions with	реор	le from the f	ollowir	g groups?										
a. People of a race or	DDrace	1	Never	6	12	98	3	8	6	895	5							
ethnicity other than			~ .		27													
-		2	Sometimes	19	37	774	21	25	17	4,081	22							
your own		2 3	Sometimes Often	19 16	37	774 1,129	21 31	25 52	17 36	4,081 5,860	22 31	2.6	3.2 ***	68	3.1 ***	55	3.1 ***	54
-		-										2.6	3.2 ***	68	3.1 ***	55	3.1 ***	54
		3	Often	16	31	1,129	31	52	36	5,860	31	2.6	3.2 ***	68	3.1 ***	55	3.1 ***	54
your own b. People from an	DDeconomic	3	Often Very often	16 11	31 21	1,129 1,692	31 46	52 58	36 41	5,860 7,853	31 42	2.6	3.2 ***	68	3.1 ***	55	3.1 ***	54
your own b. People from an economic background	DDeconomic	3	Often Very often Total	16 11 52	31 21 100	1,129 1,692 3,693	31 46 100	52 58 143	36 41 100	5,860 7,853 18,689	31 42 100		3.2 ***	68	3.1 ***	55	3.1 ***	⁴ 54
your own b. People from an	DDeconomic	3 4 1	Often Very often Total Never	16 11 52 4	31 21 100 8	1,129 1,692 3,693 93	31 46 100 3	52 58 143 5	36 41 100 4	5,860 7,853 18,689 794	31 42 100 4	2.6	3.2 *** 3.2 ***	68	3.1 *** 3.2 **	55	3.1 *** ▼ 3.1 **	54
your own b. People from an economic background	DDeconomic	3 4 1 2	Often Very often Total Never Sometimes	16 11 52 4 14	31 21 100 8 28	1,129 1,692 3,693 93 731	31 46 100 3 20	52 58 143 5 22	36 41 100 4 15	5,860 7,853 18,689 794 4,005	31 42 100 4 21				•		•	
your own b. People from an economic background	DDeconomic	3 4 1 2 3	Often Very often Total Never Sometimes Often	16 11 52 4 14 23	31 21 100 8 28 46	1,129 1,692 3,693 93 731 1,345	31 46 100 3 20 36	52 58 143 5 22 58	36 41 100 4 15 41	5,860 7,853 18,689 794 4,005 6,679	31 42 100 4 21 36				•		•	
 your own b. People from an economic background other than your own c. People with religious 	DDreligion	3 4 1 2 3	Often Very often Total Never Sometimes Often Very often	16 11 52 4 14 23 9	31 21 100 8 28 46 18	1,129 1,692 3,693 93 731 1,345 1,521	31 46 100 3 20 36 41	52 58 143 5 22 58 57	36 41 100 4 15 41 40	5,860 7,853 18,689 794 4,005 6,679 7,192	31 42 100 4 21 36 39				•		•	
 your own b. People from an economic background other than your own c. People with religious beliefs other than your 	DDreligion	3 4 1 2 3 4	Often Very often Total Never Sometimes Often Very often Total	16 11 52 4 14 23 9 50	31 21 100 8 28 46 18 100	1,129 1,692 3,693 93 731 1,345 1,521 3,690	31 46 100 3 20 36 41 100	52 58 143 5 22 58 57 142	36 41 100 4 15 41 40 100	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670	31 42 100 4 21 36 39 100	2.7			•		•	
 your own b. People from an economic background other than your own c. People with religious 	DDreligion	3 4 1 2 3 4 1	Often Very often Total Never Sometimes Often Very often Total Never	16 11 52 4 14 23 9 50 3	31 21 100 8 28 46 18 100 6	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134	31 46 100 3 20 36 41 100 4	52 58 143 5 22 58 57 142 8	36 41 100 4 15 41 40 100 6	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153	31 42 100 4 21 36 39 100 6				•		•	
 your own b. People from an economic background other than your own c. People with religious beliefs other than your 	DDreligion	3 4 1 2 3 4 1 2	Often Very often Total Never Sometimes Often Very often Total Never Sometimes	16 11 52 4 14 23 9 50 50 3 16	31 21 100 8 28 46 18 100 6 31	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867	31 46 100 3 20 36 41 100 4 23	52 58 143 5 22 58 57 142 8 33	36 41 100 4 15 41 40 100 6 23	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896	31 42 100 4 21 36 39 100 6 26	2.7	▼ 3.2 *** ▼	51	▼ 3.2 ** ▼	53	3.1 **	40
 your own b. People from an economic background other than your own c. People with religious beliefs other than your 	DDreligion	3 4 1 2 3 4 1 2 3 3	Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often	16 11 52 4 14 23 9 50 50 3 16 23	31 21 100 8 28 46 18 100 6 31 45	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867 1,265	31 46 100 3 20 36 41 100 4 23 34	52 58 143 5 22 58 57 142 8 33 49	36 41 100 4 15 41 40 100 6 23 34	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896 6,053	31 42 100 4 21 36 39 100 6 26 32	2.7	▼ 3.2 *** ▼	51	▼ 3.2 ** ▼	53	3.1 **	40
 your own People from an economic background other than your own People with religious beliefs other than your own People with political 	DDreligion	3 4 1 2 3 4 1 2 3 3	Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Very often Very often	16 11 52 4 14 23 9 50 3 16 23 9	31 21 100 8 28 46 18 100 6 31 45 18	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867 1,265 1,431	31 46 100 3 20 36 41 100 4 23 34 39	52 58 143 5 22 58 57 142 8 33 49 53	36 41 100 4 15 41 40 100 6 23 34 37	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896 6,053 6,596	31 42 100 4 21 36 39 100 6 26 32 35	2.7	▼ 3.2 *** ▼	51	▼ 3.2 ** ▼	53	3.1 **	40
 your own b. People from an economic background other than your own c. People with religious beliefs other than your own d. People with political views other than your 	DDreligion	3 4 1 2 3 4 1 2 3 4	Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Very often Very often Total	16 11 52 4 14 23 9 50 3 16 23 9 51	31 21 100 8 28 46 18 100 6 31 45 18 100	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867 1,265 1,431 3,697	31 46 100 3 20 36 41 100 4 23 34 39 100	52 58 143 5 22 58 57 142 8 33 49 53 143	36 41 100 4 15 41 40 100 6 23 34 37 100	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896 6,053 6,596 18,698	31 42 100 4 21 36 39 100 6 26 32 35 100	2.7	▼ 3.2 *** ▼	51	▼ 3.2 ** ▼	53	3.1 **	40
 your own People from an economic background other than your own People with religious beliefs other than your own People with political 	DDreligion	3 4 1 2 3 4 1 2 3 4 1 2 3 4	Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Very often Very often Total Never	16 11 52 4 14 23 9 50 3 16 23 9 51 2	31 21 100 8 28 46 18 100 6 31 45 18 100 4	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867 1,265 1,431 3,697 189	31 46 100 3 20 36 41 100 4 23 34 39 100 5	52 58 143 5 22 58 57 142 8 33 49 53 143 7	36 41 100 4 15 41 40 100 6 23 34 37 100 5	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896 6,053 6,596 18,698 1,146	31 42 100 4 21 36 39 100 6 26 32 35 100 6	2.7	▼ 3.2 *** ▼	51	▼ 3.2 ** ▼	53	3.1 **	40
 your own People from an economic background other than your own People with religious beliefs other than your own People with political views other than your 	DDreligion	3 4 1 2 3 4 1 2 3 4 1 2 3 4	Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Very often Total Never Total Never Sometimes	16 11 52 4 14 23 9 50 3 16 23 9 51 2 14	31 21 100 8 28 46 18 100 6 31 45 18 100 4 27	1,129 1,692 3,693 93 731 1,345 1,521 3,690 134 867 1,265 1,431 3,697 189 1,124	31 46 100 3 20 36 41 100 4 23 34 39 100 5 30	52 58 143 5 22 58 57 142 8 33 49 53 143 7 7 27	36 41 100 4 15 41 40 100 6 23 34 37 100 5 19	5,860 7,853 18,689 794 4,005 6,679 7,192 18,670 1,153 4,896 6,053 6,596 18,698 1,146 5,321	31 42 100 4 21 36 39 100 6 26 32 35 100 6 28	2.7	 3.2 *** 3.1 ** 	51	 3.2 ** 3.0 	53	 3.1 ** 3.0 	40



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stributior	IS				Sta	tistical	Comparis	ons ^k		
Interdisc. Stud	erdisc. Studies							Quality		NSSE 2018	3&				Your seniors co			
	Variable			Tennessee 1	ech	Carnegie C	ass	Assuranc	e	2019		Tennessee Tech	Carnegie	e Class Effect	Quality As	surance Effect	NSSE 2018	& 2019 Effect
or description	name ¹	Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
9. During the current so	chool year, abo	out how	often have you done th	ne following?														
a. Identified key	LSreading	1	Never	1	2	60	2	2	1	326	2							
information from		2	Sometimes	4	8	659	18	29	20	3,166	17							
reading assignments		3	Often	30	58	1,656	45	52	36	8,355	45	3.2	3.1	.09	3.2	.03	3.2	.06
		4	Very often	17	33	1,318	36	60	42	6,860	37							
			Total	52	100	3,693	100	143	100	18,707	100							
b. Reviewed your notes	LSnotes	1	Never	0	0	377	10	12	8	1,609	9							
after class		2	Sometimes	8	15	1,310	35	31	22	5,942	32							
		3	Often	22	42	1,189	32	53	37	6,210	33	3.3	2.7 ***	.65	2.9 *	.38	2.8 ***	.53
		4	Very often	22	42	816	22	46	32	4,944	26							
			Total	52	100	3,692	100	142	100	18,705	100		—		_		_	
c. Summarized what you	LSsummary	1	Never	1	2	291	8	7	5	1,261	7							
learned in class or from		2	Sometimes	8	16	1,218	33	25	18	5,464	29							
course materials		3	Often	23	45	1,382	37	60	42	7,170	38	3.2	2.7 ***	.50	3.1	.12	2.8 **	.39
		4	Very often	19	37	805	22	50	35	4,796	26							
			Total	51	100	3,696	100	142	100	18,691	100							
10. During the current	school year, to	what ex	tent have your course	s challenged y	ou to	do your bes	t work	?										
-	challenge	1	Not at all	0	0	27	1	1	1	159	1							
		2		2	4	51	1	2	1	225	1							
		3		0	0	147	4	6	4	730	4							
		4		5	10	447	12	16	11	1,980	11	5.8	5.4	.26	5.6	.08	5.6	.15
		5		13	25	1,261	34	38	27	5,571	30							
		6		14	27	905	25	30	21	4,768	26							
		7	Very much	18	35	848	23	50	35	5,213	28							
			Total	52	100	3,686	100	143	100	18,646	100							
11. Which of the follow	ing have you d	one or d	o you plan to do befor	e you gradua	te?°													
a. Participate in an	intern		Have not decided	7	13	257	7	13	9	1,856	10							
internship, co-op, field	(Means indicate		Do not plan to do	15	29	452	12	22	15	3,012	16							
experience, student	the percentage		Plan to do	7	13	693	19	32	22	3,717	20	44%	62% **	36	53%	18	54%	20
teaching, or clinical placement	who responded		Done or in progress	23	44	2,296	62	76	53	10,124	54		V					
pracement	"Done or in progress.")		Total	52	100	3,698	100	143	100	18,709	100		•					



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

Seniors ^a in						Freque	ncy Di	stribution	s				Sta	tistical	Comparis	ons ^k		
Interdisc. Stud				Tennessee ⁻	Tech	Carnegie C	lass	Quality Assuranc	e	NSSE 2018 2019	8&	Tennessee Tech	Carnegie		Your seniors co Quality As		vith NSSE 2018	& 201
-							- /		- /					Effect		Effect		Effect
b. Hold a formal	leader	Values	ⁿ Response options Have not decided	Count 9	% 17		% 8	Count 21	% 15	Count 2,134	% 11	Mean	Mean	size "	Mean	size ⁿ	Mean	size "
leadership role in a			Do not plan to do	31	60		40	57	40	7,867	42							
student organization or	(Means indicate the percentage		Plan to do	2	4	236	6	11	8	1,358	7	19%	46% ***	58	37% *	41	39% **	45
group	who responded		Done or in progress	10	19		46	53	37	7,324	39	1770	V	50	5770	+1	5770	+3
	"Done or in progress.")		Total	52	100	,	100	142	100	18,683	100		•		•		•	
c. Participate in a learning	learncom		Have not decided	6	12	408	11	19	13	2,664	14							
community or some	(Means indicate		Do not plan to do	32	62	2,161	59	76	53	10,186	55							
other formal program where groups of	the percentage		Plan to do	4	8	268	7	19	13	1,630	9	19%	23%	10	20%	03	22%	08
students take two or	who responded		Done or in progress	10	19	856	23	29	20	4,200	22							
more classes together	"Done or in progress.")		Total	52	100	3,693	100	143	100	18,680	100							
d. Participate in a study	abroad		Have not decided	8	15	294	8	15	11	2,026	11							
abroad program	(Means indicate		Do not plan to do	37	71	2,136	58	102	72	11,964	64							
	the percentage		Plan to do	2	4	215	6	7	5	1,147	6	10%	28% **	49	13%	10	19%	27
	who responded		Done or in progress	5	10	1,051	28	18	13	3,543	19							
	"Done or in progress.")		Total	52	100	3,696	100	142	100	18,680	100		·					
e. Work with a faculty	research		Have not decided	10	19	430	12	17	12	2,799	15							-
member on a research	(Means indicate		Do not plan to do	17	33	2,024	55	82	57	10,143	54							
project	the percentage		Plan to do	8	15	371	10	16	11	1,814	10	33%	24%	.20	20%	.30	21% *	.26
	who responded		Done or in progress	17	33	870	24	28	20	3,932	21							
	"Done or in progress.")		Total	52	100	3,695	100	143	100	18,688	100							
f. Complete a culminating	capstone		Have not decided	4	8	249	7	10	7	1,667	9							
senior experience	(Means indicate		Do not plan to do	7	13	702	19	28	20	3,263	17							
(capstone course,	the percentage		Plan to do	11	21	696	19	36	25	4,068	22	58%	55%	.05	48%	.19	52%	.12
senior project or thesis, comprehensive exam,	who responded		Done or in progress	30	58	2,042	55	69	48	9,673	52							
portfolio, etc.)	"Done or in progress.")		Total	52	100	3,689	100	143	100	18,671	100							
12. About how many of	your courses at	this in	stitution have included	l a communit	y-bas	ed project (s	ervice	learning)?										
	servcourse	1	None	19	37	1,459	40	49	35	6,547	35							
		2	Some	28	54		52	64	45	9,891	53							
		3	Most	5	10		7	24	17	1,839	10	1.7	1.7	.04	1.9	21	1.8	08
		4	All	0	0		1	5	4	386	2							
			Total	52	100	3,684	100	142	100	18,663	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Freque	ncy Di	stributior	IS				St	atistica	l Compari	sons ^k		
Interdisc. Stu	dies			Tennessee	[ech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carneg		Your seniors of Quality A	<u> </u>	vith NSSE 201	8 & 2019
Item wording	Variable			Tennessee	Cen	carriegie e	1435	Assurance		2015			curricg	Effect	Quality A	Effect	14552 201	Effect
or description	name'	Values'	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
13. Indicate the quality	y of your interac	tions w	ith the following peop	le at your inst	itutio	n.												
a. Students	QIstudent	1	Poor	0	0	37	1	2	1	201	1							
		2		1	2	45	1	3	2	272	1							
		3		2	4	133	4	7	5	764	4							
		4		6	12	384	10	15	10	1,944	10							
		5		8	15	978	26	41	29	4,450	24	5.7	5.6	.11	5.4	.22	5.6	.08
		6		17	33	1,077	29	35	24	4,899	26							
		7	Excellent	16	31	1,001	27	35	24	5,617	30							
		_	Not applicable	2	4	38	1	5	3	561	3							
			Total	52	100	3,693	100	143	100	18,708	100							
b. Academic advisors	QIadvisor	1	Poor	2	4	139	4	9	6	672	4							
		2		3	6	185	5	8	6	800	4							
		3		1	2	338	9	5	3	1,320	7							
		4		6	12	522	14	23	16	2,162	12							
		5		6	12	679	18	26	18	3,288	18	5.7	5.2 *	.28	5.2	.25	5.4	.16
		6		9	17	680	18	18	13	3,562	19							
		7	Excellent	25	48	1,132	31	52	36	6,675	36							
		_	Not applicable	0	0	20	1	2	1	223	1							
			Total	52	100	3,695	100	143	100	18,702	100							
c. Faculty	QIfaculty	1	Poor	1	2	35	1	0	0	212	1							
		2		0	0	48	1	4	3	280	1							
		3		4	8	151	4	8	6	765	4							
		4		1	2	410	11	23	16	1,903	10							
		5		10	19	950	26	20	14	4,126	22	5.8	5.5	.17	5.6	.12	5.6	.08
		6		20	38	1,170	32	38	27	5,428	29							
		7	Excellent	16	31	900	24	48	34	5,803	31							
		_	Not applicable	0	0	30	1	2	1	189	1							
			Total	52	100	3,694	100	143	100	18,706	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

Seniors ^a in						Frequer	ncy Di	stribution	s				Sta	tistical	Comparis	sons ^k		
Interdisc. Stud	terdisc. Studies tem wording Variable or description name ¹ Values ^m Response options				Геch	Carnegie C	lass	Quality Assuranc	е	NSSE 2018 2019	8&	Tennessee Tech	Carnegi		Your seniors of Quality As	,	NSSE 2018	.8 & 2019
Item wording				.		. .		c ,		.	~			Effect		Effect		Effect
d. Student services staff	QIstaff	Values" 1	Poor	Count 1	%	<i>Count</i> 117	%	Count 5	% 4	Count 712	<u>%</u> 4	Mean	Mean	size ⁿ	Mean	size "	Mean	size "
(career services,	Qistan	2	1001	1	2	171	5	7	5	733	4							
student activities,		3		2	4	289	8	10	7	1,261	7							
housing, etc.)		4		3	6	550	15	19	13	2,343	13							
		5		5	10	821	22	23	16	3,379	18	5.5	4.9	.34	5.1	.23	5.0	.24
		6		10	19	705	19	23	17	3,228	17	010	1.9	.54	5.1	.25	5.0	.21
		7	Excellent	9	17	559	15	32	23	3,716	20							
		_	Not applicable	21	40	480	13	22	15	3,320	18							
			Total	52	100	3,692	100	142	100	18,692	100							
e. Other administrative	OIadmin	1	Poor	2	4	153	4	7	5	814	4							
staff and offices		2		2	4	214	6	15	10	875	5							
(registrar, financial aid,		3		3	6	350	9	9	6	1,459	8							
etc.)		4		3	6	617	17	26	18	2,695	14							
		5		9	18	826	22	29	20	3,797	20	5.5	4.8 **	.41	4.7 *	.43	5.0	.24
		6		10	20	677	18	26	18	3,620	19							
		7	Excellent	17	33	565	15	25	17	4,375	23							
			Not applicable	5	10	291	8	6	4	1,069	6							
			Total	51	100	3,693	100	143	100	18,704	100							
14. How much does you	r institution en	nphasize	e the following?															
a. Spending significant	empstudy	- 1	Very little	0	0	65	2	5	3	397	2							
amounts of time		2	Some	11	21	868	23	37	26	4,189	22							
studying and on		3	Quite a bit	26	50	1,787	48	60	42	9,062	48	3.1	3.0	.11	3.0	.15	3.0	.10
academic work		4	Very much	15	29	974	26	41	29	5,045	27							
			Total	52	100	3,694	100	143	100	18,693	100							
b. Providing support to	SEacademic	1	Very little	2	4	180	5	4	3	875	5							
help students succeed		2	Some	9	17	963	26	36	25	4,369	23							
academically		3	Quite a bit	28	54	1,638	44	57	40	8,026	43	3.0	2.9	.14	3.0	02	3.0	.05
		4	Very much	13	25	907	25	46	32	5,398	29							
			Total	52	100	3,688	100	143	100	18,668	100							
c. Using learning support	SElearnsup	1	Very little	7	13	308	8	10	7	1,593	9							
services (tutoring		2	Some	15	29	1,014	27	35	24	4,546	24							
services, writing		3	Quite a bit	23	44	1,456	39	56	39	7,156	38	2.6	2.8	25	2.9 *	37	2.9 *	32
center, etc.)		4	Very much	7	13	916	25	42	29	5,384	29							
			Total	52	100	3,694	100	143	100	18,679	100				•		•	



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				Sta	atistical	l Comparis	ons ^k		
Interdisc. Stud	terdisc. Studies							Quality		NSSE 2018	8&				Your seniors co	mpared w	vith	
				Tennessee 1	Гech	Carnegie C	ass	Assuranc	е	2019		Tennessee Tech	Carnegi	e Class	Quality Ass		NSSE 2018	
Item wording	Variable		n .											Effect		Effect		Effect
or description d. Encouraging contact	name ¹ SEdiverse	Values'	ⁿ Response options Very little	Count 6	% 12	Count 522	% 14	Count 21	% 15	Count 2,637	% 14	Mean	Mean	size "	Mean	size "	Mean	size "
among students from	SEaliverse	2	Some	19	37	1,108	30	34	24	5,514	30							
different backgrounds		2	Quite a bit	23	44	1,108	33	48	34	6,126	33	2.5	2.6	17	2.7	28	2.7	18
(social, racial/ethnic,		4	Very much	4	8	858	23	48 40	28	4,369	23	2.0	2.0	17	2.7	28	2.1	18
religious, etc.)		-	Total	52	100	3,686	100	143	100	18,646	100							
e. Providing opportunities	SEsocial	1	Very little	6	100	,	6	5	4	1,579	8							
to be involved socially	SESOCIAI	2	Some	19	37	882	24	36	25	4,679	25							
		3	Quite a bit	19	35		41	48	34	7,196	39	2.6	2.9 **	42	3.0 **	53	2.9 *	31
		4	Very much	9	17	,	29	53	37	5,188	28	2.0	2.9	42	3.0	55	2.9	31
			Total	52	100	,	100	142	100	18,642	100		•					
f. Providing support for	SEwellness	1	Very little	9	100	,	100	142	8	2,334	13							
your overall well-being	SEwenness	2	Some	22	42		27	37	26	5,177	28							
(recreation, health care,		3	Quite a bit	17	33		37	49	35	6,632	36	2.3	2.8 ***	49	2.9 ***	62	2.7 **	42
counseling, etc.)		4	Very much	4	8	944	26	44	31	4,496	24	4.5	2.8	49	2.9	02	2.7	42
		-	Total	52	100	3,687	100	142	100	18,639	100		•					
g. Helping you manage	SEnonacad	1	Very little	23	45	,	36	46	32	6,242	33							
your non-academic	SElloladud	2	Some	22	43		36	36	25	6,495	35							
responsibilities (work,		3	Quite a bit	5	10	,	19	38	25	3,821	20	1.7	2.0 *	34	2.3 ***	58	2.1 ***	41
family, etc.)		4	Very much	1	2		9	23	16	2,083	11	1.7	2.0	54	2.5	56	2.1	+1
		·	Total	51	100		100	143	100	18,641	100		•				•	
h. Attending campus	SEactivities	1	Very little	8	16	,	100	11	8	3,306	18							
activities and events		2	Some	20	39		29	37	26	5,375	29							
(performing arts,		3	Quite a bit	18	35	,	37	57	40	6,124	33	2.4	2.8 **	39	2.9 **	51	2.6	17
athletic events, etc.)		4	Very much	5	10		24	38	27	3,806	20			.57			2.0	.17
			Total	51	100		100	143	100	18,611	100		•		•			
i. Attending events that	SEevents	1	Very little	13	25	,	16	27	19	3,864	21							
address important		2	Some	22	42		39	39	27	6,558	35							
social, economic, or		3	Quite a bit	14	27	1,112	30	48	34	5,451	29	2.1	2.4 *	33	2.6 **	43	2.4 *	25
political issues		4	Very much	3	6	,	15	29	20	2,755	15		–	.55	-2.0	.45	2.1	.20
			Total	52	100		100	143	100	18,628	100		•		▼			
				52	100	5,000	100	115	100	10,020	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Freque	ncy Di	stribution	IS				Sta	atistica	l Comparis	sons ^k		
Interdisc. Stu	dies			Tennessee 1	Геch	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carnegi		Your seniors c Quality As	,	vith NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description 15. About how many he	name'		Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size ⁿ	Mean	size "
a. Preparing for class	tmprephrs	1 m a t 0	0 hrs		mg. 0	8	0	1	1	65	0							
(studying, reading,	• •	3	1-5 hrs	5	10	616	17	19	13	3,081	17							
writing, doing	(Recoded version	8	6-10 hrs	15	29	1,027	28	44	31	4,946	26							
homework or lab work,	of tmprep created by NSSE. Values	13	11-15 hrs	15	31	798	28	32	22	3,984	20							
analyzing data,	are estimated	18	16-20 hrs	9	18	602	16	32 20	14	3,984	16	13.1	13.1	.00	13.5	05	13.4	04
rehearsing, and other	number of hours	23	21-25 hrs	2	4	326	9	11	8	1,712	9	13.1	13.1	.00	15.5	05	15.4	04
academic activities)	per week.)	28	26-30 hrs	3	- 6	156	4	7	5	908	5							
		33	More than 30 hrs	1	2	150	4	, 9	6	922	5							
		55	Total	51	100	3,690	100	143	100	18,669	100							
b. Participating in co-	tmcocurrhrs	0	0 hrs	29	57	1,188	32	63	44	7,850	42							
curricular activities		3	1-5 hrs	15	29	1,143	31	34	24	4,876	26							
(organizations, campus	(Recoded version of tmcocurr	8	6-10 hrs	3	6	572	16	23	16	2,427	13							
publications, student	created by NSSE.	13	11-15 hrs	2	4	362	10	8	6	1,466	8							
government, fraternity	Values are	18	16-20 hrs	- 1	2	200	5	6	4	984	5	2.7	6.0 ***	45	5.0 *	35	5.3 ***	*36
or sorority, intercollegiate or	estimated number	23	21-25 hrs	1	2	105	3	4	3	491	3							
intramural sports, etc.)	of hours per	28	26-30 hrs	0	0	45	1	1	1	219	1		•		•		•	
1,	week.)	33	More than 30 hrs	0	0	68	2	3	2	340	2							
			Total	51	100	3,683	100	142	100	18,653	100							
c. Working for pay	tmworkonhrs	0	0 hrs	38	75	,	63	99	69	12,827	69							
on campus	(Recoded version	3	1-5 hrs	1	2	132	4	6	4	848	5							
	of tmworkon	8	6-10 hrs	5	10	321	9	10	7	1,494	8							
	created by NSSE.	13	11-15 hrs	1	2	347	9	5	3	1,367	7							
	Values are	18	16-20 hrs	4	8	324	9	15	10	1,271	7	3.8	5.3	18	4.6	10	4.2	05
	estimated number	23	21-25 hrs	0	0	108	3	4	3	409	2							
	of hours per	28	26-30 hrs	0	0	45	1	0	0	166	1							
	week.)	33	More than 30 hrs	2	4	71	2	4	3	270	1							
			Total	51	100	3,686	100	143	100	18,652	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				Sta	tistical	Comparis	ons ^k		
nterdisc. Stu	dies			T	Task	Comosio C		Quality	_	NSSE 2018 2019	&	Tennessee Tech	Carnegie		Your seniors co	,		. 2010
	Maniahla			Tennessee	recn	Carnegie C	IdSS	Assuranc	e	2019		Tennessee Tech	Carnegie		Quality As		NSSE 2018	
Item wording or description	Variable name ¹	Values [*]	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size "	Mean	Effect size "
d. Working for pay	tmworkoffhrs	0	0 hrs	9	18		44	44	31	7,124	38	Weun	Weun	5120	Weun	3120	Meun	5120
off campus		3	1-5 hrs	3	6	205	6	5	4	923	5							
•	(Recoded version of tmworkoff	8	6-10 hrs	2	4	200	8	12	8	1,173	6							
	created by NSSE.	13	11-15 hrs	- 3	6	308	8	5	4	1,215	7							
	Values are	18	16-20 hrs	4	8	384	10	12	8	1,629	9	20.3	10.9 ***	.77	16.3	.29	13.8 ***	.47
	estimated number	23	21-25 hrs	7	14	263	7	12	8	1,268	7	-010	10.5	.,,	10.5	.2)	15.0	,
	of hours per	28	26-30 hrs	2	4	187	, 5	12	10	939	5							
	week.)	33	More than 30 hrs	20	40	462	13	38	27	4,409	24							
		55	Total	50	100	3,693	100	142	100	18,680	100							
Estimated number of	tmworkhrs		1000	50	100	5,075	100	142	100	10,000	100							
hours working for pay	(Continuous variable created by NSSE)											24.1	16.2 ***	.65	20.9	.25	18.0 ***	.46
e. Doing community	tmservicehrs	0	0 hrs	28	55	1,920	52	60	42	8,969	48							
service or volunteer		3	1-5 hrs	13	25	1,279	35	37	26	6,378	34							
work	(Recoded version of tmservice	8	6-10 hrs	8	16	261	7	15	11	1,670	9							
	created by NSSE.	13	11-15 hrs	0	0	111	3	13	8	761	4							
	Values are	18	16-20 hrs	0	0	66	2	6	4	420	2	3.0	2.7	.06	6.1 **	37	3.4	07
	estimated number	23	21-25 hrs	1	2	28	1	3	2	166	1	2.0	2.7	.00		57	5.4	07
	of hours per	23	26-30 hrs	1	2	6	0	0	0	73	0							
	week.)	33	More than 30 hrs	0	0	20	1	9	6	229	1							
		55	Total	51	100	3,691	100	142	100	18,666	100							
f. Relaxing and	tmrelaxhrs	0	0 hrs	2	4	62	2	8	6	565	3							
socializing (time with		3	1-5 hrs	18	35	769	21	32	22	5,093	27							
friends, video games,	(Recoded version of tmrelax created	-	6-10 hrs	15	29	992	27	32	24	5,153	28							
TV or videos, keeping	by NSSE. Values	13	11-15 hrs	8	16	800	22	25	17	3,432	18							
up with friends online,	are estimated	18	16-20 hrs	5	10	509	14	20	14	2,218	12	8.9	12.3 **	41	12.0 *	37	10.8	24
etc.)	number of hours	23	21-25 hrs	1	2	224	6	20 10	7	899	5	0.2	12.5	+1	12.0	57	10.0	24
	per week.)	23 28	21-23 hrs	1	2	110	3	10	5	899 443	2		V		•			
		28 33	More than 30 hrs	1	2	218	5	7	5	443 859	2 5							
		55	Total	51	100	3.684	100	143	100	18,662	100							
			TOTAL	51	100	5,084	100	145	100	16,002	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				Sta	tistical	Comparis	ons ^k		
Interdisc. Stu	dies							Quality		NSSE 2018	8&			Y	Your seniors co	ompared w	iith	
				Tennessee 7	Гech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegie	e Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description g. Providing care for	name ¹ tmcarehrs	Values ⁿ 0	¹ Response options 0 hrs	Count 25	% 49	Count 2,871	% 78	Count 88	% 62	Count 11,677	<u>%</u> 63	Mean	Mean	size "	Mean	size "	Mean	size "
dependents (children,		3	1-5 hrs	8	16	2,671	7	13	9	1,809	10							
parents, etc.)	(Recoded version of tmcare created	8	6-10 hrs	2	4	129	4	7	5	928	5							
	by NSSE. Values	13	11-15 hrs	0	0	82	2	5	4	592	3							
	are estimated	18	16-20 hrs	3	6	62	2	5	4	532	3	10.3	3.4 **	.79	7.2	.25	6.9	.28
	number of hours	23	21-25 hrs	0	0	34	1	2	1	309	2							
	per week.)	28	26-30 hrs	0	0	23	1	1	1	228	1							
		33	More than 30 hrs	13	25	216	6	21	15	2,580	14							
			Total	51	100	3,682	100	142	100	18,655	100							
h. Commuting to campus	tmcommutehrs	0	0 hrs	12	24	588	16	28	20	5,930	32							
(driving, walking, etc.)	(Recoded version	3	1-5 hrs	28	55	2,080	56	70	49	8,271	44							
	of tmcommute	8	6-10 hrs	7	14	643	17	18	13	2,546	14							
	created by NSSE.	13	11-15 hrs	1	2	202	5	11	8	894	5							
	Values are estimated number	18	16-20 hrs	0	0	72	2	3	2	381	2	4.5	4.9	07	6.4	23	4.4	.02
	of hours per	23	21-25 hrs	2	4	36	1	3	2	192	1							
	week.)	28	26-30 hrs	0	0	18	0	3	2	119	1							
		33	More than 30 hrs	1	2	49	1	6	4	322	2							
			Total	51	100	3,688	100	142	100	18,655	100							
16. Of the time you spe	end preparing for	class i	n a typical 7-day week	, about how	much	is on assigne	ed read	ing?										
	reading	1	Very little	7	14	431	12	22	15	1,974	11							
		2	Some	12	24	1,031	28	44	31	4,908	26							
		3	About half	20	39	1,062	29	39	27	5,773	31	2.8	2.9	10	2.8	.00	2.9	14
		4	Most	9	18	806	22	19	13	4,223	23							
		5	Almost all	3	6	361	10	19	13	1,788	10							
			Total	51	100	3,691	100	143	100	18,666	100							
	tmreadinghrs																	
of tmprephrs bas	able created by NSSE sed on reading, where t half=.50; Most=.75	e Very li	ttle=.10; Some=.25;									6.3	6.5	04	6.8	08	6.9	10



Frequencies and Statistical Comparisons: Interdisc. Studies

Tennessee Technological University

Seniors ^a in						Freque	ncy Di	stribution	S				Sta	atistical	Comparis	sons ^k		
Interdisc. Stu				Tennessee	Геch	Carnegie C	lass	Quality Assuranc	e	NSSE 2018 2019	3 &	Tennessee Tech	Carneg	ie Class	Your seniors of Quality As	surance	vith NSSE 2018	
Item wording	Variable name ^I	Values	^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Maan	Effect size "
or description	tmreadinghrscol	vulues 1	0 hrs	0		8	70 0	1	70	65	70	Meun	weun	5120	weun	5120	Mean	5120
	(Collapsed version of tmreadinghrs	2	More than zero, up to 5 hrs	23	45	1,903	52	80	56	9,058	49							
	created by NSSE.)	3	More than 5, up to 10 hrs	21	41	1,073	29	30	21	5,465	29							
		4	More than 10, up to 15 hrs	5	10	366	10	16	11	2,034	11							
		5	More than 15, up to 20 hrs	0	0	162	4	6	4	961	5							
		6	More than 20, up to 25 hrs	2	4	116	3	2	1	679	4							
		7	More than 25 hrs	0	0	56	2	8	6	339	2							
			Total	51	100	3,684	100	143	100	18,601	100							
17. How much has you	ur experience at th	nis inst	itution contributed to	your knowled	lge, sl	kills, and per	sonal	developmen	t in th	e following	areas	?						
a. Writing clearly and	pgwrite	1	Very little	3	6		3	5	4	529	3							
effectively		2	Some	9	18	571	15	24	17	2,958	16							
		3	Quite a bit	20	39	1,327	36	51	36	6,935	37	3.1	3.2	20	3.2	13	3.2	18
		4	Very much	19	37	1,681	46	61	43	8,201	44							
			Total	51	100	3,686	100	141	100	18,623	100							
 b. Speaking clearly and effectively 	pgspeak	1	Very little	6	12	176	5	4	3	986	5							
enectively		2	Some	9	18	743	20	31	22	3,603	19	•						
		3	Quite a bit	18	35	1,343	36	49	34	6,638	36	2.9	3.1	17	3.1	22	3.1	18
		4	Very much	18	35	1,428	39	59	41	7,454	40							
This is a set of a state of the set of		1	Total	51	100	3,690	100	143	100	18,681	100							
 c. Thinking critically and analytically 	pgthink	2	Very little Some	2	4 18	65 412	11	3 19	2 13	366	12							
		2	Quite a bit	21	41	412 1,403	38	48	15 34	2,166 6,978	37	3.1	22*	20	2.2	27	2.2.*	20
		4	Very much	21 19	37	1,403	49	48 73	51	9,182	49	5.1	3.3 *	30	3.3	27	3.3 *	29
		+	Total	51	100	3,693	100	143	100	18,692	100							
d. Analyzing numerical	pganalyze	1	Very little	5	100	512	14	143	13	2,694	14							
and statistical	r 8-144 / 20	2	Some	18	36	1,227	33	49	35	5,868	31							
information		3	Quite a bit	18	36	1,070	29	39	27	5,624	30	2.6	2.6	01	2.7	04	2.6	02
		4	Very much	9	18	876	24	36	25	4,461	24							
			Total	50	100	3,685	100	142	100	18,647	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Frequer	ncy Di	stribution	S				St	atistical	Comparis	sons ^k		
Interdisc. Stud	lies							Quality		NSSE 2018	&				Your seniors c	ompared w	vith	
				Tennessee ⁻	Tech	Carnegie C	ass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 2018	8 & 2019
Item wording	Variable		71					_		_				Effect		Effect		Effect
e. Acquiring job- or work-	name ¹ pgwork	Values' 1	^m Response options Very little	Count 1	%	Count 261	% 7	Count 12	% 8	Count 1,334	<u>%</u> 7	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size "
related knowledge and	F8	2	Some	14	27	807	22	24	17	3,939	21							
skills		3	Quite a bit	20	39	1,264	34	50	35	6,496	35	3.0	3.0	01	3.1	07	3.0	02
		4	Very much	16	31	1,359	37	57	40	6,916	37		510	.01	511	107	5.0	.02
			Total	51	100	3,691	100	143	100	18,685	100							
f. Working effectively	pgothers	1	Very little	0	0	131	4	4	3	838	4							
with others		2	Some	16	32	648	18	29	20	3,434	18							
		3	Quite a bit	16	32	1,386	38	47	33	6,867	37	3.0	3.2	15	3.2	17	3.1	11
		4	Very much	18	36	1,529	41	63	44	7,558	40							
			Total	50	100	3,694	100	143	100	18,697	100							
g. Developing or	pgvalues	1	Very little	4	8	354	10	15	10	1,593	9							
clarifying a personal		2	Some	16	32	866	24	34	24	4,015	21							
code of values and ethics		3	Quite a bit	14	28	1,259	34	47	33	6,404	34	2.8	2.9	06	2.9	04	3.0	14
ethes		4	Very much	16	32	1,206	33	47	33	6,663	36							
			Total	50	100	3,685	100	143	100	18,675	100							
h. Understanding people	pgdiverse	1	Very little	7	14	255	7	12	8	1,435	8							
of other backgrounds (economic,		2	Some	14	27	841	23	27	19	4,359	23							
racial/ethnic, political,		3	Quite a bit	17	33	1,299	35	54	38	6,273	34	2.7	3.0 *	30	3.0	30	3.0 *	28
religious, nationality,		4	Very much	13	25	1,291	35	50	35	6,600	35							
etc.)			Total	51	100	3,686	100	143	100	18,667	100							
i. Solving complex real-	pgprobsolve	1	Very little	5	10	267	7	13	9	1,461	8							
world problems		2	Some	16	31	976	26	40	28	4,809	26							
		3	Quite a bit	15	29	1,347	37	47	33	6,701	36	2.8	2.9	11	2.8	06	2.9	12
		4	Very much	15	29	1,100	30	43	30	5,723	31							
			Total	51	100	3,690	100	143	100	18,694	100							
j. Being an informed and	pgcitizen	1	Very little	7	14	314	8	15	11	1,670	9							
active citizen		2	Some	18	36		25	39	28	4,694	25							
		3	Quite a bit	10	20	1,254	34	45	32	6,286	34	2.7	2.9	25	2.8	15	2.9	24
		4	Very much	15	30	,	32	42	30	6,034	32							
			Total	50	100	3,696	100	141	100	18,684	100							



Frequencies and Statistical Comparisons: Interdisc. Studies

Seniors ^a in						Freque	ncy D	istribution	IS				Sta	atistical	l Comparis	sons ^k		
Interdisc. Stu	dies														Your seniors c	ompared w	vith	
								Quality		NSSE 2018	8&							
				Tennessee	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name'	Values '	¹ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
18. How would you eva	aluate your enti	re educa	tional experience at th	nis institution	?													
	evalexp	1	Poor	1	2	55	1	1	1	355	2							
		2	Fair	2	4	348	9	21	15	1,832	10							
		3	Good	25	49	1,624	44	65	46	7,728	41	3.4	3.3	.06	3.2	.22	3.3	.05
		4	Excellent	23	45	1,672	45	54	38	8,805	47							
			Total	51	100	3,699	100	141	100	18,720	100							
19. If you could start o	ver again, woul	d you go	to the same institution	<i>i</i> you are no	w atte	ending?												
	sameinst	1	Definitely no	2	4	129	3	8	6	778	4							
		2	Probably no	6	12	407	11	21	15	2,165	12							
		3	Probably yes	19	37	1,397	38	59	41	6,752	36	3.3	3.3	01	3.1	.18	3.3	.00
		4	Definitely yes	25	48	1,777	48	56	39	9,062	48							
			Total	52	100	3,710	100	144	100	18,757	100							



Respondent Profile: Interdisc. Studies Tennessee Technological University

Int	erdisc. Studio	es				First-Y	'ear S	Students [®]	l					:	Senic	ors ^a			
								Quality		NSSE 2018	&					Quality		NSSE 2018	3&
				Tennessee ⁻	Tech	Carnegie Cl	ass	Assurance	5	2019		Tennessee Te	ech	Carnegie Cl	lass	Assurance	5	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21a.	How many majors do	MAJnum	One	17	94	1,918	75	82	86	8,661	75	45	87	2,960	80	116	81	14,870	79
	you plan to complete?		More than one	1	6	633	25	13	14	2,890	25	7	13	748	20	28	19	3,873	21
	(Do not count minors.)		Total	18	100	2,551	100	95	100	11,551	100	52	100	3,708	100	144	100	18,743	100
	First major or expected	MAJfirstcol	Arts & Humanities	0	0	55	2	0	0	302	3	0	0	60	2	1	1	307	2
	first major, in NSSE's	(Recoded from	Biological Sci., Agriculture,		(1	270	15	7	7		12	12	22	(01	10	5	4	2.000	
	default related-major	MAJfirst.)	& Natural Resources	11	61	378	15	/	/	1,524	13	12	23	681	18	5	4	2,060	11
	categories.		Physical Sci., Mathematics,	0	0	8	0	0	0	36	0	0	0	11	0	1	1	49	0
	(This does not reflect		& Computer Science Social Sciences	0	0	76	3	3	3	287	2	0	0	83	2	0	0	332	2
	any customization		Business	0	0	50	2	0	0	257	2	1	2	42	1	1	1	313	2
	made for the Major		Communications, Media,					-							-		-		
	Field Report.)		& Public Relations	3	17	1,764	69	72	76	6,981	60	6	12	2,152	58	73	51	8,735	46
			Education	0	0	4	0	1	1	66	1	0	0	5	0	0	0	76	0
			Engineering	0	0	2	0	0	0	19	0	1	2	1	0	0	0	30	0
			Health Professions	0	0	79	3	5	5	879	8	3	6	210	6	15	11	2,502	13
			Social Service Professions	0	0	23	1	1	1	364	3	0	0	37	1	2	1	950	5
			All Other	4	22	119	5	6	6	866	7	29	56	437	12	44	31	3,478	18
			Undecided, Undeclared	0	0	2	0	0	0	9	0	0	0	0	0	0	0	4	0
			Total	18	100	2,560	100	95	100	11,590	100	52	100	3,719	100	142	100	18,836	100
	Second major or	MAJsecondcol	Arts & Humanities	0	0	93	15	2	17	390	14	2	29	114	15	5	18	441	11
	expected second major, in NSSE's default	(Recoded from	Biological Sci., Agriculture, & Natural Resources	1	100	49	8	1	8	254	9	0	0	62	8	2	7	289	8
	related-major	MAJsecond.)	Physical Sci., Mathematics,	0	0	7		0	0	21	1	0	0			2	7	25	1
	categories.		& Computer Science	0	0	1	1	0	0	31	1	0	0	11	1	2	7	35	1
	(This does not reflect		Social Sciences	0	0	99	16	1	8	291	10	0	0	120	16	2	7	382	10
	any customization		Business	0	0	52	8	1	8	215	7	0	0	48	6	2	7	263	7
	made for the Major		Communications, Media,	0	0	252	40	5	42	1,076	38	1	14	199	27	7	25	1,002	26
	Field Report.)		& Public Relations Education	0	0	2	0	0	0	28	1	1	14	7	1	0	0	94	2
			Engineering	0	0	2	0	0	0	12	0	0	0	3	0	0	0	26	1
			Health Professions	0	0	14	2	1	8	167	6	1	14	42	6	4	14	465	12
			Social Service Professions	0	0	15	2	0	0	119	4	0	0	25	3	1	4	284	7
			All Other	0	0	28	4	0	0	202	7	2	29	103	14	2	7	479	12
			Undecided, Undeclared	0	0	14	2	1	8	83	3	0	0	11	1	1	4	88	2
			Total	1	100	627	100	12	100	2,868	100	7	100	745	100	28	100	3,848	100
22.	What is your class	class	Freshman/First-year	14	78	2,273	90	71	76	9,861	86	0	0	5	0	0	0	39	0
	level?		Sophomore	4	22	213	8	21	22	1,288	11	1	2	18	0	1	1	112	1
			Junior	0	0	38	2	1	1	207	2	0	0	245	7	1	1	1,023	5
			Senior	0	0	2	0	0	0	47	0	49	94	3,361	91	136	96	17,096	92
			Unclassified	0	0	0	0	1	1	59	1	2	4	53	1	4	3	369	2
			Total	18	100	2,526	100	94	100	11,462	100	52	100	3,682	100	142	100	18,639	100



Respondent Profile: Interdisc. Studies Tennessee Technological University

In	terdisc. Studi	es				First-Y	'ear S	Students	а					:	Senic	ors ^a			
								Quality		NSSE 2018	8&					Quality		NSSE 2018	3 &
				Tennessee	Tech	Carnegie Cl	ass	Assuranc	e	2019		Tennessee T	ech	Carnegie Cl	ass	Assuranc	e	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
23.	Thinking about this	fulltime	No	2	11	52	2	4	4	444	4	20	38	673	18	33	23	3,814	21
	current academic term,		Yes	16	89	2,467	98	88	96	10,978	96	32	62	2,995	82	109	77	14,727	79
	are you a full-time student?		Total	18	100	2,519	100	92	100	11,422	100	52	100	3,668	100	142	100	18,541	100
24a.	How many courses are	coursenum	0	0	0	8	0	0	0	57	0	1	2	88	2	5	4	512	3
	you taking for credit		1	1	6	11	0	2	2	155	1	4	8	116	3	9	6	1,078	6
	this current academic		2	0	0	20	1	2	2	299	3	7	13	245	7	9	6	2,099	11
	term?		3	1	6	55	2	1	1	374	3	6	12	364	10	16	11	2,150	12
			4	7	39	709	28	13	14	2,875	25	13	25	1,210	33	38	27	5,240	28
			5	7	39	1,129	45	52	56	4,817	42	18	35	1,064	29	36	26	4,321	23
			6	2	11	428	17	14	15	1,946	17	0	0	380	10	12	9	1,929	10
			7 or more	0	0	170	7	9	10	954	8	3	6	219	6	16	11	1,326	7
			Total	18	100	2,530	100	93	100	11,477	100	52	100	3,686	100	141	100	18,655	100
b	. Of these, how many are	onlinenum	0	12	67	1,962	78	64	69	8,832	77	22	42	2,209	60	54	39	9,559	51
	entirely online ?		1	4	22	360	14	18	19	1,451	13	13	25	799	22	40	29	3,779	20
			2	0	0	138	5	7	8	592	5	9	17	351	10	19	14	2,546	14
			3	1	6	40	2	2	2	173	2	4	8	138	4	10	7	1,032	6
			4	0	0	11	0	2	2	187	2	3	6	96	3	6	4	865	5
			5	1	6	4	0	0	0	60	1	1	2	41	1	3	2	238	1
			6	0	0	3	0	0	0	34	0	0	0	16	0	7	5	245	1
			7 or more	0	0	1	0	0	0	101	1	0	0	23	1	1	1	316	2
			Total	18	100	2,519	100	93	100	11,430	100	52	100	3,673	100	140	100	18,580	100
	Collapsed recode of	onlinecrscol	No courses taken online	12	67	1,962	78	64	69	8,832	77	22	42	2,209	60	54	39	9,558	51
	courses taken online		Some courses taken online	3	17	513	20	26	28	1,847	16	19	37	1,146	31	59	42	5,011	27
	(Based on responses to coursenum and		All courses taken online	3	17	44	2	3	3	751	7	11	21	318	9	27	19	4,010	22
	onlinenum.)		Total	18	100	2,519	100	93	100	11,430	100	52	100	3,673	100	140	100	18,579	100
25.	What have most of your	grades	C- or lower	0	0	20	1	0	0	157	1	0	0	14	0	0	0	58	0
	grades been up to now		С	0	0	44	2	2	2	243	2	2	4	40	1	5	4	225	1
	at this institution?		C+	1	6	64	3	7	8	388	3	3	6	85	2	3	2	520	3
			В-	3	17	105	4	8	9	584	5	2	4	172	5	11	8	879	5
			В	1	6	360	14	14	15	1,672	15	7	13	554	15	17	12	2,628	14
			B+	1	6	485	19	16	17	2,096	18	7	13	708	19	23	16	3,395	18
			A-	2	11	646	26	27	29	2,787	24	9	17	975	26	27	19	4,338	23
			А	10	56	800	32	19	20	3,527	31	22	42	1,135	31	54	39	6,577	35
			Total	18	100	2,524	100	93	100	11,454	100	52	100	3,683	100	140	100	18,620	100
26.	Did you begin college	begincol	Started here	15	83	2,362	94	80	86	10,287	90	20	38	2,311	63	76	54	9,810	53
	at this institution or		Started elsewhere	3	17	161	6	13	14	1,165	10	32	62	1,365	37	65	46	8,782	47
	elsewhere?		Total	18	100	2,523	100	93	100	11,452	100	52	100	3,676	100	141	100	18,592	100



NSSE 2019 Major Field Report, Part II: Comparisons to Other Institutions

Respondent Profile: Interdisc. Studies Tennessee Technological University

In	terdisc. Studi	es				First-Y	ear S	Students	3	0				9	Senio	ors ^a			
								Quality		NSSE 2018	&					Quality		NSSE 2018	3&
				Tennessee	Геch	Carnegie Cl	ass	Assuranc	е	2019		Tennessee T	ech	Carnegie Cl	ass	Assurance	е	2019	
	Item wording	Variable																_	
27.	or description Since graduating from	name attend_voc	Response options Vocational or technical school	Count 0	%	Count 37	%	Count 4	%	Count 482	<u>%</u> 4	Count 9	% 18	Count 157	% 4	Count 9	%	Count 1,810	% 10
27.	high school, which of	attend com	Community or junior college	4	22	175	7	4 10	11	1,113	10	32	63	1.325	36	55	39	7,901	43
	the following types of	attend_col	4-year college or university	4	22			10		,				,					
	schools have you	uttend_cor	other than this one	1	6	189	8	8	9	1,035	9	12	24	880	24	47	33	5,046	27
	attended other than the	attend_none	None	13	72	2,086	83	70	76	8,811	77	15	29	1,778	49	50	35	7,267	39
	one you are now attending? (Select all	attend_other	Other	1	6	52	2	4	4	351	3	1	2	102	3	5	4	750	4
	that apply.)																		
28.	What is the highest	edaspire	Some college but less than a			1.42		1.7	16	027	0		2	105	~	21	15	1 472	
	level of education you		bachelor's degree	1	6	143	6	15	16	927	8	1	2	195	5	21	15	1,472	8
	ever expect to		Bachelor's degree (B.A., B.S., etc.)	11	61	1,189	47	47	51	5,427	48	24	47	1,609	44	47	33	7,868	42
	complete?		Master's degree (M.A., M.S., etc.)	4	22	906	36	29	32	3,966	35	21	41	1,398	38	53	38	7,201	39
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	2	11	280	11	1	1	1,082	9	5	10	468	13	20	14	2,040	11
			Total	18	100	2,518	100	92	100	11,402	100	51	100	3,670	100	141	100	18,581	100
29.	What is the highest	parented	Did not finish high school	0	0	66	3	3	3	420	4	3	6	100	3	8	6	1,030	6
	level of education		High school diploma or G.E.D.	2	11	265	11	17	18	1,782	16	16	31	504	14	35	25	3,799	20
	completed by either of your parents (or those		Attended college, but did not complete degree	3	17	208	8	13	14	1,161	10	9	18	313	9	17	12	2,100	11
	who raised you)?		Associate's degree (A.A., A.S., etc.)	2	11	134	5	9	10	986	9	5	10	295	8	12	9	1,839	10
			Bachelor's degree (B.A., B.S., etc.)	5	28	866	34	24	26	3,460	30	12	24	1,216	33	36	26	5,236	28
			Master's degree (M.A., M.S., etc.)	6	33	696	28	23	25	2,708	24	4	8	853	23	28	20	3,387	18
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	277	11	3	3	866	8	2	4	386	11	5	4	1,153	6
			Total	18	100	2,512	100	92	100	11,383	100	51	100	3,667	100	141	100	18,544	100
	First-generation status	firstgen	Not first-generation	11	61	1,839	73	50	54	7,034	62	18	35	2,455	67	69	49	9,776	53
	(Neither parent holds a bachelor's degree.)	(Recoded from	First-generation	7	39	673	27	42	46	4,349	38	33	65	1,212	33	72	51	8,768	47
-		parented.)	Total	18	100	2,512	100	92	100	11,383	100	51	100	3,667	100	141	100	18,544	100
30.	What is your gender identity?	genderid	Man	9	50	631	25	16	17	3,070	27	15	29	995	27	36	26	5,401	29
	identity :		Woman	9	50	1,840	73	76	82	8,117	71	31	61	2,615	71	103	73	12,855	69
			Another gender identity	0	0	24	1	0	0	107	1	1	2	29	1	1	1	115	1
			I prefer not to respond	0	0	20	1	1	1	118	1	4	8	31	1	1	1	209	1
31.	Enter your year of birth		Total	18	100	2,515	100	93	100	11,412	100	51	100	3,670	100	141	100	18,580	100
51.	(e.g., 1994):	agecat	19 or younger	13	72	2,369	94	75	82	9,803			0	20	1	2	1	82	0
	((Recoded	20-23 24-29	2	11 0	110 8	4	12 2	13 2	753 228	7 2	18 10	36 20	2,779	76 11	87 24	62 17	11,045	60 14
		from the information	24-29 30-39	0	0 11	8 15	0	2	2	228 271	2	10 6	20 12	419 241	7	24 10	17	2,636 2,194	14 12
		entered in	40-55	2	6	15	0	2	1	271 260	2	6 15	12 30	241 162	4	10	11	2,194	12
		birthyear.)	40-55 Over 55	1	0	9	0	1	1	260 43	2	15	30 2	33	4	15	11	2,141	12
			Total	18	100	2,513	100	0 92	100	43 11,358	100	1 50	2 100	33 3,654	100	2 140	100	339 18,437	100
			10(a)	18	100	2,313	100	92	100	11,558	100		100	5,054	100	140	100	10,437	100



Respondent Profile: Interdisc. Studies Tennessee Technological University

Int	erdisc. Studi	es				First-Y	'ear S	Students	а					:	Senic	ors ^a			
								Quality		NSSE 2018	&					Quality	,	NSSE 201	.8 &
				Tennessee	Tech	Carnegie Cl	ass	Assuranc	e	2019		Tennessee T	ech	Carnegie Cl	lass	Assurance	ce	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32a.	Are you an	internat	No	18	100	2,360	94	92	99	10,933	96	48	96	3,514	96	138	98	18,069	
	international student?		Yes	0	0	147	6	1	1	443	4	2	4	139	4	3	2	435	
			Total	18	100	2,507	100	93	100	11,376	100	50	100	3,653	100	141	100	18,504	
	[If answered "yes"]	countrycol	Africa Sub-Saharan	0	0	2	1	0	0	26	6	0	0	5	4	1	50	19	
	Country of citizenship,	5	Asia	0	0	97	69	0	0	213	53	2	100	80	63	0	0	163	
	collapsed into regions	(Recoded from	Canada	0	0	3	2	0	0	14	3	0	0	2	2	1	50	14	
	by NSSE. Responses to	country.)	Europe	0	0	17	12	1	100	80	20	0	0	19	15	0	0	68	
	country are in the data		Latin America and Caribbean	0	0	18	13	0	0	52	13	0	0	16	13	0	0	92	
	file.		Middle East and North Africa	0	0	2	1	0	Ő	13	3	0	0	5	4	0	0	21	5
			Oceania	0	0	2	1	0	0	7	2	0	0	0	0	0	0	10	
			Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Total	0	0	141	100	1	100	405	100	2	100	127	100	2	100	387	100
33.	How would you	re_amind	American Indian or Alaska Native	0	0	50	2	4	4	258	2	1	2	70	2	2	1	393	
	describe yourself?	re asian	Asian	0	0	302	12	1	1	866	8	1	2	311	9	0	0	1.058	
	(Select all that apply.)	re black	Black or African American	2	11	221	9	31	33	1,447	13	1	2	286	8	37	26	2,258	
		re_latino	Hispanic or Latina/o	0	0	303	12	8	9	1,518	13	1	2	482	13	6	4	2,508	
		re_mena	Middle Eastern or N. African (2019)	0	0	9	1	2	3	61	1	1	2	18	1	1	1	-, 71	1
		re_pacific	Native Hawaiian/Other Pac. Islander	0	0	22	1	- 1	1	126	1	0	0	35	1	0	0	193	
		re_white	White	18	100	1,848	74	52	56	8,036	71	43	86	2,666	73	94	67	12,830	
		re_another	Another race or ethnicity (2019)	0	0	12	1	1	1	78	1	0	0	14	1	2	2	149	
		re_other	Other (2018)	0	0	20	2	0	0	107	2	0	0	34	2	2	6	170	
		re_pnr	I prefer not to respond	0	0	44	2	4	4	282	2	3	6	94	3	5	4	625	
	Racial or ethnic	re_all19	American Indian or Alaska Native	0	0	6	0	2	2	44	0	0	0	16	0	0	0	103	
	identification			0	0	226	9	- 1	-	595	5	1	2	233	6	0	0	716	
		to re_pnr	Black or African American	0	0	150	6	24	26	1,075	9	1	2	232	6	36	26	1,894	
		recoded where	Hispanic or Latina/o	0	0	159	6	3	3	953	8	1	2	309	8	3	2	1,749	
		each student is	Middle Eastern or N. African (2019)	0	Ő	2	0	2	2	26	0	1	2	8	0	1	1	32	
		represented only	Native Hawaiian/Other Pac. Islander	0	0	- 2	0	0	0	20	0	0	0	11	0	0	0	62	
		once)	White	16	89	1,592	64	47	51	7,019	62	42	84	2,384	65	88	62	11,640	
			Another race or ethnicity (2019)	0	0	4	0	0	0	30	0	0	0	8	0	0	0	71	0
			Other (2018)	0	0	11	0	0	0	57	1	0	0	26	1	1	1	110	
			Multiracial	2	11	300	12	10	11	1,236	11	1	2	328	9	7	5	1,497	8
			I prefer not to respond	2	0	44	2	4	4	282	2	3	6	94	3	, 5	4	625	
			Total	18	100	2,496	100	93	100	11,344	100	50	100	3,649	100	141	100	18,499	
34.	Are you a member of a	greek	No	18	100	1,991	79	86	92	9,974	88	47	92	2,908	79	141	89	16,040	
	social fraternity or		Yes	10	0	520	21	30 7	8	1,415	12	47	92 8	2,908	21	125	11	2,505	
	sorority?		Total	18	100	2,511	100	93	100	11,389	100	51	100	3,664	100	141	100	18,545	



Respondent Profile: Interdisc. Studies Tennessee Technological University

In	terdisc. Studi	es				First-Y	ear S	Students	Ð					9	Senio	ors ^a			
								Quality		NSSE 2018	&					Quality		NSSE 201	8 &
				Tennessee T	Геch	Carnegie Cl	ass	Assurance	e	2019		Tennessee Te	ch	Carnegie Cl	ass	Assuranc	e	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	0/
35.	Which of the following	living18	Campus housing (other than a							Count		Count							%
	best describes where	Ū	fraternity or sorority house)	10	56	1,996	80	59	64	8,044	71	1	2	385	11	21	15	2,825	15
	you are living while		Fraternity or sorority house	0	0	42	2	0	0	84	1	0	0	96	3	3	2	221	1
	attending college?		House, apartment, or other residence within walking distance to campus	2	11	128	5	7	8	546	5	8	16	1,391	38	31	22	4,236	23
			House, apartment, or other residence																
			farther than walk. dist. to campus	5	28	308	12	25	27	2,070	18	36	71	1,610	44	68	49	8,289	45
			Not applicable: No campus, entirely	1	6	18	1	1	1	556	5	6	12	174	5	17	12	2,855	15
			online program, etc. Not applicable: Homeless or	-	Ĩ		-	-	-			Ĩ						_,	
			in transition	0	0	7	0	0	0	38	0	0	0	4	0	0	0	50	0
			Total	18	100	2,499	100	92	100	11,338	100	51	100	3,660	100	140	100	18,476	100
36.	Are you a student-	athlete	No	18	100	2,402	96	90	98	10,406	92	51	100	3,576	98	133	94	17,681	95
	athlete on a team		Yes	0	0	107	4	2	2	964	8	0	0	82	2	8	6	834	5
	sponsored by your		Total	18	100	2,509	100	92	100	11,370	100	51	100	3,658	100	141	100	18,515	100
	institution's athletics																		
37.	department? Are you a current or	veteran	No	18	100	2,488	99	93	100	11,177	99	48	96	3,530	96	137	97	17,053	92
57.	former member of the	veteran	Yes	0	0	2,488	1	93	0	169	1	-+8	4	136	4	4	3	1,447	92 8
	U.S. Armed Forces,		Total	18	100	2,504	100	93	100	11,346	100	_	100	3,666	100	141	100	18,500	100
	Reserves, or National		1044	10	100	2,001	100	,,,	100	11,010	100	20	100	5,000	100		100	10,000	100
38a.	Guard?	disability		15	0.4	2 075	0.2		01	0.100	01		0.4	2.017				15.046	
38a.	Have you been diagnosed with any	disability	No	17	94	2,075	83	75	81	9,189	81	43 5	84	3,017	82	117	83	15,046	
	disability or		Yes	1	6	357	14	14	15 4	1,747	15 4	3	10	539	15 3	15 9	11 6	2,783	15
	impairment?		I prefer not to respond Total	0 18	0 100	80 2,512	3 100	4 93	4 100	439 11,375	4 100		6 100	105 3,661	3 100	9 141	100	715 18,544	4 100
1	. [If answered "yes"]		A sensory impairment (vision			,				,		51		,				,	
	Which of the following	dis_sense	or hearing)	0	0	38	11	1	7	204	12	1	20	53	10	2	13	326	12
	has been diagnosed?	dis_mobility	A mobility impairment	0	0	13	4	0	0	73	4	0	0	38	7	3	20	264	10
	(Select all that apply.)	dis_learning	A learning disability (e.g., ADHD,	1	100	152	43	10	71	748	43	2	40	226	42	6	40	1,125	41
		- 0	dyslexia)	0								-				-		,	
		dis_mental	A mental health disorder A disability or impairment not	0	0	179	50	5	36	845	49	3	60	294	55	7	47	1,323	48
		dis_other	listed above	0	0	47	13	2	14	284	16	0	0	85	16	2	13	630	23
	Disability or	disability_all	A sensory impairment	0	0	28	1	0	0	132	1	1	2	25	1	2	1	159	1
	impairment	(Items dis sense	A mobility impairment	0	0	6	0	0	0	28	0	0	0	16	0	2	1	104	1
		to dis_other	A learning disability	1	6	108	4	7	8	505	4	1	2	130	4	2	1	658	4
		recoded where	A mental health disorder	0	0	119	5	3	3	545	5	2	4	188	5	4	3	768	4
		each student is	A disability or impairment not listed	0	0	32	1	1	1	173	2	0	0	46	1	1	1	354	2
			More than one disability or	0	0	64	3	3	3	355	3	1	2	133	4	4	3	725	4
		once.)	impairment		04		02					42			00	117			
			No disability or impairment Prefer not to respond	17 0	94 0	2,075 80	83 3	75 4	81 4	9,189 439	81 4	43 3	84 6	3,017 105	82 3	117 9	83 6	15,046 715	81 4
			Total	18	100	2,512	3 100	4 93	4 100	439 11,366	4 100		0 100	3,660	3 100	9 141	100	18,529	4
			10141	18	100	2,312	100	93	100	11,300	100	51	100	5,000	100	141	100	18,329	100



Respondent Profile: Interdisc. Studies Tennessee Technological University

In	erdisc. Studi	es				First-Y	'ear S	Students	Э						Senio	ors ^a			
								Quality		NSSE 2018	&					Quality		NSSE 2018	8&
				Tennessee 1	Гech	Carnegie Cl	ass	Assuranc	e	2019		Tennessee Te	ch	Carnegie Cl	lass	Assuranc	e	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
39.	Which of the following	sexorient17	Straight (heterosexual)	16	89	2,007	80	70	75	9,104	80	44	86	2,973	81	116	82	15,491	84
	best describes your		Bisexual	1	6	223	9	14	15	938	8	0	0	299	8	7	5	1,095	6
	sexual orientation?		Gay	0	0	58	2	2	2	207	2	0	0	90	2	4	3	324	2
			Lesbian	1	6	29	1	2	2	144	1	1	2	36	1	2	1	228	1
			Queer	0	0	35	1	0	0	120	1	1	2	71	2	0	0	206	1
			Questioning or unsure	0	0	49	2	1	1	220	2	0	0	39	1	1	1	183	1
			Another sexual orientation	0	0	33	1	2	2	163	1	0	0	35	1	2	1	186	1
			I prefer not to respond	0	0	80	3	2	2	491	4	5	10	119	3	9	6	832	4
			Total	18	100	2,514	100	93	100	11,387	100	51	100	3,662	100	141	100	18,545	100
Inst	tution-reported info	ormation (Varia	ables provided by your institution in your	NSSE populatio	n file.)														
	Institution-reported:	IRsex19	Female	9	50	1,912	75	79	83	8,395	72	36	69	2,684	72	108	75	13,223	70
	Sex		Male	9	50	649	25	16	17	3,180	27	16	31	1,033	28	36	25	5,586	30
			Another	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			Unknown	0	0	0	0	0	0	23	0	0	0	4	0	0	0	36	0
			Total	18	100	2,561	100	95	100	11,599	100	52	100	3,721	100	144	100	18,845	100
	Institution-reported:	IRrace	American Indian or Alaska Native	0	0	8	0	1	1	52	0	0	0	15	0	0	0	110	1
	Race or ethnicity		Asian	0	0	103	5	1	1	385	4	2	4	115	4	0	0	524	3
			Black or African American	0	0	138	6	29	31	996	9	2	4	225	7	36	25	1,744	10
			Hispanic or Latino	0	0	253	11	7	7	1,343	13	0	0	432	13	5	3	2,227	13
			Native Hawaiian/Other Pac. Islander	0	0	0	0	0	0	40	0	0	0	3	0	0	0	51	0
			White	15	83	1,454	65	47	49	6,526	62	45	87	2,154	66	95	66	10,691	63
			Other	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0
			Foreign or nonresident	0	0	109	5	1	1	347	3	0	0	118	4	4	3	343	2
			Two or more races/ethnicities	2	11	150	7	4	4	516	5	2	4	141	4	1	1	618	4
			Unknown	1	6	33	1	5	5	390	4	1	2	52	2	3	2	769	5
			Total	18	100	2,248	100	95	100	10,599	100	52	100	3,255	100	144	100	17,081	100
	Institution-reported:	IRclass	Freshman/First-Year	18	100	2,561	100	95	100	11,599	100	0	0	0	0	0	0	0	0
	Class level		Sophomore	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Junior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Senior	0	0	0	0	0	0	0	0	52	100	3,721	100	144	100	18,845	100
			Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	18	100	2,561	100	95	100	11,599	100	52	100	3,721	100	144	100	18,845	100
	Institution-reported:	IRftfy	Not first-time first-year	4	22	287	11	18	19	1,698	15	49	94	3,721	100	144	100	18,678	99
	First-time first-year		First-time first-year	14	78	2,274	89	76	81	9,900	85	3	6	0	0	0	0	167	1
	(FTFY) student		Total	18	100	2,561	100	94	100	11,598	100	52	100	3,721	100	144	100	18,845	100
	Institution-reported:	IRenrollment	Not full-time	2	11	73	3	7	7	568	5	17	33	532	14	35	24	3,476	18
	Enrollment status		Full-time	16	89	2,488	97	88	93	11,031	95	35	67	3,189	86	109	76	15,369	82
			Total	18	100	2,561	100	95	100	11,599	100	52	100	3,721	100	144	100	18,845	100



Endnotes: Interdisc. Studies

Tennessee Technological University

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t-tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance: *p < .05, **p < .01, ***p < .01 (2-tailed).
- g. Cohen's *d*: The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. Percentage point differences (institution comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0. *p < .05, **p < .01, ***p < .001 (*z*-test comparing participation rates).
- j. Cohen's *h*: The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a z-test.
- 1. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent t-tests uses Cohen's d; z-tests use Cohen's h.
- o. Statistical comparison uses z -test to compare the percentage who responded "Done or in progress."

Key to symbols:

Your students' average was significantly higher (p < .05) with an effect size at least .3 in magnitude.

Your students' average was significantly higher (p < .05) with an effect size less than .3 in magnitude.

Your students' average was significantly lower (p < .05) with an effect size less than .3 in magnitude.

Your students' average was significantly lower (p < .05) with an effect size at least .3 in magnitude.

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

Reference: Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. Research & Practice in Assessment, 13 (Summer/Fall), pp. 22-38.