# Tennessee Technological University NSSE 2019 Major Field Report, Part II Comparisons to Other Institutions Business

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 'Business' includes the following majors: Accounting; Business administration; Economics; Entrepreneurial studies; Finance; Hospitality and tourism; International business; International relations; Management; Management information systems; Marketing; Organizational leadership or behavior; Other business; Public administration, policy; Supply chain and operations management.



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: Business.

#### 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: Business 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<sup>a</sup> for your students in this related-major category with students in your comparison groups within the same category.

Use the following key:

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

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

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

	First	-Year Students in Bus	iness		Seniors in Business	
	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
Engagement Indicator	Carnegie Class	Quality Assurance	NSSE 2018 & 2019	Carnegie Class	Quality Assurance	NSSE 2018 & 2019
Higher-Order Learning						
Reflective & Integrative Learning						
Learning Strategies						
Quantitative Reasoning						
Collaborative Learning						
Discussions with Diverse Others						
Student-Faculty Interaction						
Effective Teaching Practices						
Quality of Interactions						
Supportive Environment						
	Higher-Order Learning Reflective & Integrative Learning Learning Strategies Quantitative Reasoning Collaborative Learning Discussions with Diverse Others Student-Faculty Interaction Effective Teaching Practices Quality of Interactions	Your first-year students compared withEngagement IndicatorCarnegie ClassHigher-Order LearningReflective & Integrative LearningLearning StrategiesQuantitative ReasoningCollaborative LearningDiscussions with Diverse OthersStudent-Faculty InteractionEffective Teaching PracticesQuality of Interactions	Your first-year students compared withYour first-year students compared withEngagement IndicatorCarnegie ClassQuality AssuranceHigher-Order LearningReflective & Integrative LearningLearning StrategiesQuantitative ReasoningCollaborative LearningDiscussions with Diverse OthersStudent-Faculty InteractionEffective Teaching PracticesQuality of Interactions	compared with Engagement Indicatorcompared with Carnegie Classcompared with Quality Assurancecompared with NSSE 2018 & 2019Higher-Order LearningReflective & Integrative LearningLearning StrategiesQuantitative ReasoningCollaborative LearningDiscussions with Diverse OthersStudent-Faculty InteractionEffective Teaching PracticesQuality of Interactions	Your first-year students compared withYour first-year students compared withYour first-year students compared withYour seniors 	Your first-year students compared with Engagement IndicatorYour first-year students compared withYour first-year students compared withYour seniors compared withYour seniors co



Engagement Indicators: Business

#### **Tennessee Technological University**

#### First-year students<sup>a</sup> in

Business	Mea	n statistics			Percei	ntile <sup>d</sup> scores			(	Comparison re	sults	
										Mean	,	Effect
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	diff.	Sig. <sup>f</sup>	size <sup>g</sup>
Academic Challenge												
Higher-Order Learning												
Tennessee Tech $(N = 35)$	35.4	13.9	2.35	15	25	35	45	60				
Carnegie Class	38.3	12.6	.16	20	30	40	45	60	6,485	-2.9		228
Quality Assurance	37.7	12.8	.87	20	30	40	45	60	252	-2.3		174
NSSE 2018 & 2019	38.1	12.9	.07	20	30	40	45	60	30,104	-2.6		204
Reflective & Integrative Learning												
Tennessee Tech $(N = 35)$	32.4	11.0	1.86	11	26	31	40	51				
Carnegie Class	36.1	11.6	.14	20	29	37	43	57	6,581	-3.7		316
Quality Assurance	35.9	12.5	.85	17	26	37	46	60	250	-3.5		286
NSSE 2018 & 2019	35.7	11.7	.07	17	29	34	43	57	30,504	-3.3		283
Learning Strategies												
Tennessee Tech $(N = 35)$	40.2	13.9	2.34	20	33	40	53	60				
Carnegie Class	38.2	13.4	.17	20	27	40	47	60	6,530	2.0		.148
Quality Assurance	40.2	13.3	.91	20	33	40	53	60	249	.0		002
NSSE 2018 & 2019	38.3	13.6	.08	20	27	40	47	60	30,171	1.9		.141
Quantitative Reasoning												
Tennessee Tech $(N = 34)$	34.7	13.1	2.25	13	27	33	40	60				
Carnegie Class	30.6	14.7	.18	7	20	27	40	60	6,496	4.1		.279
Quality Assurance	30.8	15.4	1.04	7	20	27	40	60	249	4.0		.262
NSSE 2018 & 2019	30.0	14.9	.09	7	20	27	40	60	30,057	4.7		.317
Learning with Peers												
Collaborative Learning												
Tennessee Tech $(N = 35)$	36.9	12.8	2.17	10	30	35	45	60				
Carnegie Class	35.6	13.7	.17	15	25	35	45	60	6,554	1.3		.092
Quality Assurance	33.0	15.5	1.05	10	20	30	45	60	51	3.8		.253
NSSE 2018 & 2019	32.8	14.6	.08	5	20	35	40	60	30,388	4.0		.277
Discussions with Diverse Others												
Tennessee Tech $(N = 35)$	40.6	15.1	2.55	15	30	40	55	60				
Carnegie Class	41.4	14.7	.18	20	30	40	55	60	6,518	8		057
Quality Assurance	39.4	15.4	1.05	15	30	40	55	60	249	1.2		.078
NSSE 2018 & 2019	39.5	15.5	.09	15	30	40	55	60	30,160	1.1		.072



Engagement Indicators: Business

#### **Tennessee Technological University**

#### First-year students<sup>a</sup> in

Business	Mea	n statistics			Percei	ntile <sup>d</sup> scores			C	omparison re	sults	
										Mean	,	Effect
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom $^{e}$	diff.	Sig. <sup>f</sup>	size <sup>g</sup>
Experiences with Faculty												
Student-Faculty Interaction												
Tennessee Tech $(N = 34)$	26.3	15.5	2.66	5	15	25	35	55				
Carnegie Class	22.5	14.7	.18	0	10	20	30	50	6,498	3.9		.262
Quality Assurance	23.1	16.6	1.13	0	10	20	35	60	247	3.2		.196
NSSE 2018 & 2019	22.2	14.8	.09	0	10	20	30	50	30,118	4.1		.277
Effective Teaching Practices												
Tennessee Tech $(N = 35)$	40.3	14.3	2.42	16	28	40	56	60				
Carnegie Class	37.8	12.4	.15	20	28	40	45	60	6,567	2.5		.203
Quality Assurance	39.2	12.4	.84	16	32	40	48	60	251	1.1		.086
NSSE 2018 & 2019	38.5	12.9	.07	20	28	40	48	60	30,465	1.9		.144
Campus Environment												
Quality of Interactions												
Tennessee Tech $(N = 35)$	47.7	8.9	1.51	30	43	50	54	60				
Carnegie Class	42.3	11.6	.15	22	36	44	50	60	6,349	5.5	**	.473
Quality Assurance	42.3	12.4	.85	20	34	42	50	60	58	5.5	**	.460
NSSE 2018 & 2019	42.7	12.0	.07	20	36	44	52	60	34	5.1	**	.420
Supportive Environment												
Tennessee Tech $(N = 35)$	36.7	12.6	2.13	20	30	35	45	60				
Carnegie Class	36.9	12.9	.16	18	28	38	45	60	6,538	2		017
Quality Assurance	36.3	13.8	.93	13	28	38	45	60	252	.4		.029
NSSE 2018 & 2019	36.1	13.4	.08	15	28	38	45	60	30,277	.6		.045



Engagement Indicators: Business

#### **Tennessee Technological University**

#### Seniors<sup>a</sup> in

Business	Mea	n statistics			Percer	ntile <sup>d</sup> scores			C	Comparison re	sults	
		SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	05+6	Den affereden <sup>e</sup>	Mean	Sig. <sup>f</sup>	Effect size <sup>g</sup>
Academic Challenge	Mean	SD	SEIVI	5th	25th	SUTI	75th	95th	Deg. of freedom <sup>e</sup>	diff.	Sig."	size -
Higher-Order Learning												
Tennessee Tech $(N = 53)$	35.8	14.0	1.92	5	30	40	40	60				
Carnegie Class	33.8 38.6	14.0	.14	20	30 30	40 40	40 50	60 60	8,813	-2.8		208
Quality Assurance	38.0 39.1	13.3 14.1	.14 .87	20 15	30 30	40 40	50 50	60 60	317	-2.8		208
NSSE 2018 & 2019	39.1 39.4	14.1	.87	20	30 30	40 40	50 50	60		-3.5		
	39.4	15.5	.06	20	30	40	50	00	44,865	-3.0		267
<b>Reflective &amp; Integrative Learning</b>												
Tennessee Tech $(N = 53)$	31.7	11.8	1.62	11	26	31	40	51				
Carnegie Class	37.6	11.8	.13	20	29	37	46	60	8,915	-5.9	***	498
Quality Assurance	36.5	12.4	.75	14	29	37	46	60	323	-4.8	**	393
NSSE 2018 & 2019	37.7	12.0	.06	20	29	37	46	60	45,385	-6.1	***	505
Learning Strategies												
Tennessee Tech $(N = 52)$	34.9	15.0	2.08	0	27	33	47	60				
Carnegie Class	36.6	14.1	.15	13	27	40	47	60	8,825	-1.8		125
Quality Assurance	39.0	14.4	.88	20	27	40	53	60	319	-4.1		284
NSSE 2018 & 2019	37.8	14.3	.07	13	27	40	47	60	44,867	-2.9		205
Quantitative Reasoning												
Tennessee Tech $(N = 51)$	33.3	15.0	2.10	13	20	33	40	60				
Carnegie Class	33.1	15.1	.16	7	20	33	40	60	8,811	.3		.017
Quality Assurance	32.3	16.0	.98	7	20	33	40	60	317	1.1		.068
NSSE 2018 & 2019	32.5	15.3	.07	7	20	33	40	60	44,782	.8		.052
Learning with Peers												
Collaborative Learning												
Tennessee Tech $(N = 53)$	35.6	14.4	1.98	10	25	35	45	60				
Carnegie Class	35.4	13.7	.15	15	25	35	45	60	8,867	.2		.014
Quality Assurance	34.4	15.0	.92	10	25	35	45	60	320	1.1		.076
NSSE 2018 & 2019	31.9	15.3	.07	5	20	30	40	60	45,130	3.7		.243
<b>Discussions with Diverse Others</b>												
Tennessee Tech $(N = 53)$	35.6	18.0	2.48	0	20	40	50	60				
Carnegie Class	41.4	15.1	.16	15	30	40	55	60	52	-5.8	*	382
Quality Assurance	41.0	15.5	.94	20	30	40	60	60	322	-5.4	*	339
NSSE 2018 & 2019	39.8	16.0	.08	15	30	40	55	60	44,787	-4.3		266



Engagement Indicators: Business

#### **Tennessee Technological University**

#### Seniors<sup>a</sup> in

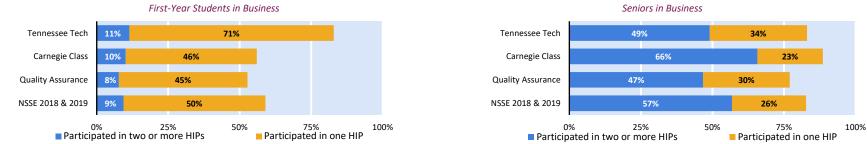
Business	Mea	n statistics			Percei	ntile <sup>d</sup> scores			C	Comparison re	sults	
										Mean		Effect
	Mean	SD <sup>b</sup>	SEM <sup>c</sup>	5th	25th	50th	75th	95th	Deg. of freedom <sup>e</sup>	diff.	Sig. <sup>f</sup>	size <sup>g</sup>
Experiences with Faculty												
Student-Faculty Interaction												
Tennessee Tech $(N = 53)$	22.9	16.1	2.21	0	10	20	35	55				
Carnegie Class	23.1	15.3	.16	0	10	20	35	55	8,811	2		012
Quality Assurance	24.0	16.9	1.03	0	10	20	35	60	320	-1.0		062
NSSE 2018 & 2019	22.5	15.8	.07	0	10	20	35	55	44,861	.4		.026
Effective Teaching Practices												
Tennessee Tech $(N = 53)$	35.1	12.9	1.77	16	28	36	44	60				
Carnegie Class	38.3	12.9	.14	16	28	40	48	60	8,900	-3.2		251
Quality Assurance	38.9	14.5	.88	15	28	40	52	60	323	-3.8		264
NSSE 2018 & 2019	39.2	13.5	.06	16	32	40	48	60	45,302	-4.1	*	303
Campus Environment												
Quality of Interactions												
Tennessee Tech $(N = 51)$	44.4	11.0	1.54	26	38	46	52	60				
Carnegie Class	41.5	12.0	.13	20	34	42	50	60	8,538	2.9		.240
Quality Assurance	42.2	12.2	.76	18	36	44	50	60	306	2.2		.183
NSSE 2018 & 2019	42.8	12.3	.06	20	36	44	52	60	42,598	1.5		.125
Supportive Environment												
Tennessee Tech $(N = 53)$	30.1	12.5	1.72	8	23	30	40	48				
Carnegie Class	32.9	13.4	.14	10	23	33	40	58	8,853	-2.8		211
Quality Assurance	33.4	14.4	.87	13	23	33	45	60	323	-3.3		238
NSSE 2018 & 2019	32.3	14.0	.07	10	23	33	40	58	45,008	-2.2		160



#### High-Impact Practices: Business Tennessee Technological University

#### **Overall HIP Participation**<sup>a,h</sup>

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 c	compared with:			
	Tennessee Tech	Carnegie Class		Quality Assurance	e	NSSE 2018 & 2	019	
First-Year Students in Business	%	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>	ES <sup>j</sup>	Difference <sup>i</sup>		ES <sup>j</sup>
12. Service-Learning	80	+31	*** .66	+31	*** .66	+26	**	.57
11c. Learning Community	11	-3	10	+3	.11	-1		02
11e. Research with Faculty	6	+2	.09	+0	.01	+2		.09
Participated in at least one	83	+27	** .60	+30	*** .66	+24	**	.54
Participated in two or more	11	+1	.04	+4	.13	+2		.07
Seniors in Business								
12. Service-Learning	38	-18	**36	-12	24	-19	**	38
11c. Learning Community	21	-4	08	+1	.04	+0		.00
11e. Research with Faculty	15	-0	01	+2	.06	+1		.03
11a. Internship or Field Exp.	36	-21	**43	+4	.08	-11		21
11d. Study Abroad	17	-12	28	+6	.16	-2		06
11f. Culminating Senior Exp.	57	+9	.17	+14	.29	+11		.21
Participated in at least one	83	-6	16	+6	.15	+0		.01
Participated in two or more	49	-17	*34	+2 📕	.05	-8		16



Frequencies and Statistical Comparisons: Business Tennessee Technological University

<b>First-Year Stu</b>	idents <sup>a</sup> in					Freque	ncy Di	istribution	S				Sta	atistical	l Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&			Yourj	first-year stude	nts comp	ared with	
				Tennessee 1	Гech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carnegie	e Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable	_	_											Effect		Effect		Effect
or description	name'		" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size <sup>n</sup>
1. During the current s	•		•															
<ul> <li>Asked questions or contributed to course</li> </ul>	askquest	1		2	6		3	7	3	947	3							
discussions in other		2	Sometimes	16	47	2,432	37	69	32	10,301	34							
ways		3	Often	12	35	2,361	36	63	29	11,032	36	2.5	2.8	32	3.0 **	52	2.9 *	40
·		4	Very often	4	12	1,549	24	80	37	8,237	27							
			Total	34	100	6,556	100	219	100	30,517	100							
b. Prepared two or more	drafts	1	Never	16	46	1,180	18	30	14	4,695	15							
drafts of a paper or assignment before		2	Sometimes	6	17	2,363	36	66	30	10,708	35							
turning it in		3	Often	6	17	1,890	29	63	29	9,185	30	2.1	2.5	34	2.7 **	56	2.5 *	43
turning it in		4	Very often	7	20	1,121	17	61	28	5,922	19							
			Total	35	100	6,554	100	220	100	30,510	100							
c. Come to class without	unpreparedr	1	Very often	2	6	438	7	16	7	1,538	5							
completing readings or	(Reverse-coded	2	Often	4	11	1,116	17	20	9	3,840	13							
assignments	version of	3	Sometimes	18	51	3,620	55	113	51	16,662	55	3.1	2.9	.22	3.1	.00	3.1	.04
	unprepared	4	Never	11	31	1,387	21	71	32	8,504	28							
	created by NSSE.)		Total	35	100	6,561	100	220	100	30,544	100							
d. Attended an art exhibit,	attendart	1	Never	3	9	2,439	37	70	32	12,133	40							
play, or other arts		2	Sometimes	21	60	2,703	41	96	44	11,822	39							
performance (dance,		3	Often	8	23	988	15	34	15	4,583	15	2.3	1.9 **	.46	2.0	.33	1.9 **	.48
music, etc.)		4	Very often	3	9	428	7	20	9	2,009	7							
			Total	35	100	6,558	100	220	100	30,547	100							
e. Asked another student	CLaskhelp	1	Never	2	6	380	6	25	11	3,164	10							
to help you understand	-	2	Sometimes	9	26	2,317	35	79	36	11,395	37							
course material		3	Often	16	46	2,480	38	70	32	10,809	35	2.9	2.7	.13	2.6	.25	2.6	.30
		4	Very often	8	23	1,389	21	46	21	5,202	17							
			Total	35	100	6,566	100	220	100	30,570	100							
f. Explained course	CLexplain	1	Never	1	3	172	3	11	5	1,953	6							
material to one or more	1	2	Sometimes	10	29	2,079	32	83	38	10,589	35							
students		- 3	Often	15	43	2,874	44	03 74	34	12,286	40	2.9	2.9	.08	2.7	.19	2.7	.24
		4	Very often	9	26	1,443	22	50	23	5,752	19	<u></u> , /	2.7	.00	2.1	.19	2.1	.24
		+	Total	35	100	6.568	100	218	100	30,580	100							
			Total		100	0,508	100	218	100	50,580	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year Stud	lents <sup>a</sup> in					Frequer	ncy Di	stribution	IS				St	atistical	Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&			Your f	irst-year stude	ents compo	red with	
				Tennessee 1	Tech	Carnegie C	ass	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 "
<ul> <li>g. Prepared for exams by discussing or working</li> </ul>	CLstudy	1	Never	1	3	603	9	37	17	4,366	14							
through course material		2	Sometimes	11	31	2,074	32	71	32	10,241	34							
with other students		3	Often	17	49	2,307	35	59	27	10,068	33	2.8	2.7	.06	2.6	.22	2.6	.24
		4	Very often	6	17	1,576	24	53	24	5,885	19							
			Total	35	100	6,560	100	220	100	30,560	100							
h. Worked with other	CLproject	1	Never	3	9	309	5	17	8	2,586	8							
students on course		2	Sometimes	7	20	2,255	34	82	37	10,410	34							
projects or assignments		3	Often	19	54	2,521	38	79	36	11,606	38	2.8	2.8	.01	2.7	.16	2.7	.13
		4	Very often	6	17	1,481	23	41	19	5,967	20							
			Total	35	100	6,566	100	219	100	30,569	100							
i. Given a course	present	1	Never	4	11	1,112	17	40	18	4,762	16							
presentation		2	Sometimes	17	49	2,665	41	71	32	11,881	39							
		3	Often	10	29	1,789	27	66	30	9,189	30	2.4	2.4	01	2.5	10	2.5	06
		4	Very often	4	11	994	15	42	19	4,725	15							
			Total	35	100	6,560	100	219	100	30,557	100							
2. During the current scl	1001 vear, abo	out how o	often have you done th	e following?														
a. Combined ideas from	Rlintegrate	1	Never	2	6	477	7	20	9	2,257	7							
different courses when		2	Sometimes	14	40	2,433	37	82	38	11,772	39							
completing assignments		- 3	Often	16	46	2,616	40	72	33	11,742	38	2.6	2.6	09	2.6	08	2.6	06
		4	Very often	3	9	1,042	16	44	20	4,748	16	2.0	2.0	09	2.0	08	2.0	00
			Total	35	100	6,568	100	218	100	30,519	100							
b. Connected your	RIsocietal	1	Never	33	9	460	7	210	13	2,367	8							
learning to societal	Risocietai	2	Sometimes	20	57	2,371	36	78	36	11,287	37							
problems or issues		2	Often	20 10	29	2,569	39	78	33	11,237	38	2.3	27*	43	2.6	29	26**	39
		4		2			18		18		38 17	2.3	2.7 *	43	2.0	28	2.6 **	39
		4	Very often		6 100	1,155		40		5,240								
<b>X 1 1 1 1</b>	DI I'	1	Total	35	100	6,555	100	218	100	30,539	100							
<ul> <li>c. Included diverse perspectives (political,</li> </ul>	RIdiverse	1	Never	7	20	530	8	26	12	2,780	9							
religious, racial/ethnic,		2	Sometimes	10	29	2,387	36	82	38	11,435	37	2.4						
gender, etc.) in course		3	Often	15	43	2,455	37	59	27	10,985	36	2.4	2.7	29	2.6	22	2.6	25
discussions or		4	Very often	3	9	1,178	18	50	23	5,306	17							
assignments			Total	35	100	6,550	100	217	100	30,506	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

#### **First-Year Students<sup>a</sup> in** Statistical Comparisons<sup>k</sup> **Frequency Distributions** Your first-year students compared with **Business** Quality NSSE 2018 & Tennessee Tech Carnegie Class Assurance 2019 Tennessee Tech Carnegie Class Quality Assurance NSSE 2018 & 2019 Effect Effect Variable Effect Item wording size " size " or description name Values<sup>m</sup> Response options Count % Count % Count % Count % Mean Mean Mean Mean size " d. Examined the strengths RIownview Never 2 6 252 4 13 6 1,233 4 and weaknesses of 14 40 1.997 30 58 31 2 Sometimes 26 9.372 your own views on a 46 47 2.6 3 Often 16 3,048 96 44 14,065 46 2.8 -.30 2.9 -.34 2.8 -.29 topic or issue 9 52 4 Very often 3 1,256 19 24 5,821 19 Total 35 100 6,553 100 219 100 30,491 100 e. Tried to better RIperspect Never 3 9 145 2 7 3 784 3 1 understand someone 12 34 1.730 26 26 8.238 27 2 Sometimes 56 else's views by Often 14 40 3.112 48 90 41 47 2.7 3 14,187 2.9 -.36 3.0 -.38 2.9 -.33 imagining how an issue 4 Very often 6 17 1,563 24 65 30 7,259 24 looks from their Total 35 100 6,550 100 218 100 30,468 100 perspective f. Learned something that RInewview Never 3 9 146 2 2 786 3 1 5 changed the way you 17 1,944 30 71 32 30 2 Sometimes 6 9,060 understand an issue or 2.9 3 Often 19 54 3.063 47 44 46 96 14.064 29 -.02 2.8 .02 2.9 -.01 concept 20 4 Very often 7 1,390 21 47 21 6,506 21 Total 35 100 6,543 100 219 100 30,416 100 g. Connected ideas from RIconnect 1 Never 0 0 65 1 3 1 340 1 your courses to your 2 7 20 1,306 20 47 22 6,479 21 Sometimes prior experiences and 3 Often 22 63 3,430 53 97 45 15,376 51 3.0 3.0 -.10 3.1 -.14 3.0 -.09 knowledge 27 4 Very often 6 17 1,729 26 69 32 8,221 Total 100 100 100 100 35 6,530 216 30,416 3. During the current school year, about how often have you done the following? a. Talked about career SFcareer Never 5 14 1.140 17 37 17 5.890 19 1 plans with a faculty 9 26 2 Sometimes 2,774 42 85 39 12,767 42 member 2.6 3 Often 15 43 1,720 26 62 28 25 7,626 2.4 .28 2.4 .20 2.3 .32 Very often 6 17 908 14 36 16 4.174 14 4 Total 35 100 6,542 100 220 100 30,457 100 31 42 13,358 44 b. Worked with a faculty SFotherwork 11 2.724 103 47 1 Never member on activities 40 2 Sometimes 14 2,221 34 56 26 9,961 33 other than coursework Often 3 6 17 1,098 17 32 15 4,897 16 2.1 1.9 .20 1.9 .17 1.9 .23 (committees, student 4 11 495 8 12 2.220 7 4 Very often 26 groups, etc.) Total 35 100 6,538 100 217 100 30,436 100



Frequencies and Statistical Comparisons: Business Tennessee Technological University

<b>First-Year Stud</b>	dents <sup>a</sup> in					Freque	ncy Di	stributior	IS				St	atistical	Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&			Your f	irst-year stude	nts compo	ired with	
				Tennessee -	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality Ass	surance	NSSE 2018	3 & 2019
Item wording	Variable		_											Effect		Effect		Effect
or description c. Discussed course	name' SFdiscuss	Values'	<sup>n</sup> Response options Never	Count 9	% 26	Count 1,893	% 29	Count 83	% 38	Count 9,086	<u>%</u> 30	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size <sup>n</sup>
topics, ideas, or	SPuiscuss	2		9 14	20 40	2,790	43	63 68	31	12,787	30 42							
concepts with a faculty		2	Sometimes Often	8		,	43 21					2.2			2.0			
member outside of		3 4		8	23	1,343 500	21 8	41	19 12	6,183	20 8	2.2	2.1	.15	2.0	.15	2.1	.16
class		4	Very often		11			26		2,331								
1 1	6F (	1	Total	35	100	6,526	100	218	100	30,387	100							
<ul> <li>d. Discussed your academic performance</li> </ul>	SFperform		Never	8	24	1,515	23	49	22	6,746	22							
with a faculty member		2	Sometimes	13	38	2,968	45	96	44	13,650	45							
		3	Often	9	26	1,513	23	46	21	7,237	24	2.3	2.2	.12	2.3	.02	2.2	.07
		4	Very often	4	12	534	8	29	13	2,798	9							
			Total	34	100	6,530	100	220	100	30,431	100							
4. During the current scl	hool year, hov	v much l	nas your coursework e	mphasized th	e follo	owing?												
a. Memorizing course	memorize	1	Very little	0	0	170	3	7	3	1,017	3							
material		2	Some	3	9	1,545	24	63	29	8,046	26							
		3	Quite a bit	21	60	3,109	48	107	49	14,452	47	3.2	3.0	.33	2.8 **	.51	2.9 *	.42
		4	Very much	11	31	1,711	26	43	20	6,924	23							
			Total	35	100	6,535	100	220	100	30,439	100				_		_	
b. Applying facts,	HOapply	1	Very little	2	6	166	3	11	5	953	3							
theories, or methods to		2	Some	10	29	1,527	23	53	24	7,804	26							
practical problems or new situations		3	Quite a bit	13	37	3,297	51	108	49	15,024	49	2.9	3.0	09	2.9	.02	2.9	02
new situations		4	Very much	10	29	1,536	24	47	21	6,619	22							
			Total	35	100	6,526	100	219	100	30,400	100							
c. Analyzing an idea,	HOanalyze	1	Very little	3	9	205	3	4	2	1,029	3							
experience, or line of		2	Some	13	37	1,680	26	65	30	8,158	27							
reasoning in depth by		3	Quite a bit	10	29	3,087	47	107	49	14,065	46	2.7	2.9	26	2.9	20	2.9	23
examining its parts		4	Very much	9	26	1,552	24	44	20	7,123	23							
			Total	35	100	6,524	100	220	100	30,375	100							
d. Evaluating a point of	HOevaluate	1	Very little	2	6	218	3	8	4	942	3							
view, decision, or		2	Some	9	26	1,632	25	51	23	7,577	25							
information source		3	Quite a bit	18	51	3,118	48	107	49	14,351	47	2.8	2.9	15	2.9	18	2.9	17
		4	Very much	6	17	1,552	24	54	25	7,488	25						2.2	
			Total	35	100	6,520	100	220	100	30,358	100							
			. Juli	55	100	0,520	100	220	100	50,550	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year Stud	dents <sup>a</sup> in					Freque	ncy Di	stributior	IS				St	atistical	Comparis	sons <sup>k</sup>		
Business								Quality		NSSE 2018	&			Your f	irst-year stude	ents compo	red with	
				Tennessee <sup>-</sup>	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
e. Forming a new idea or	name' HOform	Values <sup>®</sup>	<sup>n</sup> Response options Very little	Count 4	% 11	Count 265	% 4	Count 8	<u>%</u> 4	Count 1,119	<u>%</u> 4	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size <sup>n</sup>
understanding from	HOIOIIII	2	Some	4	29	1,803	28	58		8,348	27							
various pieces of		2		10	29 40	3,003	28 46		26			2.7	•		2.0		•	
information			Quite a bit	14	40 20	3,003 1,454	46 22	109	50 20	14,061	46 23	2.1	2.9	22	2.9	23	2.9	24
		4	Very much			,		45		6,875								
			Total	35	100	6,525	100	220	100	30,403	100							
5. During the current sci	hool year, to v	what exte	ent have your instruct	ors done the f	ollow	ing?												
a. Clearly explained	ETgoals	1	Very little	0	0	93	1	3	1	606	2							
course goals and requirements		2	Some	5	14	1,363	21	36	16	6,248	21							
requirements		3	Quite a bit	17	49	3,088	47	107	49	14,158	47	3.2	3.1	.21	3.1	.11	3.1	.21
		4	Very much	13	37	1,989	30	74	34	9,414	31							
			Total	35	100	6,533	100	220	100	30,426	100							
b. Taught course sessions	ETorganize	1	Very little	0	0	169	3	7	3	1,060	3							
in an organized way		2	Some	7	20	1,410	22	53	24	6,550	22							
		3	Quite a bit	17	49	3,131	48	96	44	14,064	46	3.1	3.0	.13	3.0	.17	3.0	.14
		4	Very much	11	31	1,815	28	62	28	8,699	29							
			Total	35	100	6,525	100	218	100	30,373	100							
c. Used examples or	ETexample	1	Very little	0	0	190	3	9	4	1,078	4							
illustrations to explain		2	Some	6	17	1,456	22	42	19	6,819	22							
difficult points		3	Quite a bit	15	43	3,032	47	102	47	13,599	45	3.2	3.0	.29	3.0	.26	3.0	.29
		4	Very much	14	40	1,837	28	64	29	8,863	29							
			Total	35	100	6,515	100	217	100	30,359	100							
d. Provided feedback on a	ETdraftfb	1	Very little	6	17	513	8	10	5	2,178	7							
draft or work in		2	Some	8	23	2,045	31	53	24	8,617	28							
progress		3	Quite a bit	9	26	2,533	39	95	44	11,797	39	2.8	2.7	.03	2.9	19	2.8	07
		4	Very much	12	34	1,432	22	59	27	7,797	26							
			Total	35	100	6,523	100	217	100	30,389	100							
e. Provided prompt and	ETfeedback	1	Very little	4	11	638	10	20	9	2,512	8							
detailed feedback on		2	Some	11	31	2,271	35	66	30	9,639	32							
tests or completed		3	Quite a bit	10	29	2,490	38	87	40	11,764	39	2.7	2.6	.13	2.7	.02	2.7	.01
assignments		4	Very much	10	29	1,120	17	46	21	6,457	21							
			Total	35	100	6,519	100	219	100	30,372	100							
						-,>		>		,								



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year Stu	ıdents <sup>a</sup> in					Freque	ncy Di	stribution	S				Sta	atistical	l Comparis	ons <sup>k</sup>		
Business				Tennessee	Toch	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carnegi		first-year stude Quality As		nred with NSSE 2018	2 8. 2010
Item wording	Variable			Termessee		Carnegie C	1035	Assuranc	e	2019			Carriegi	Effect	Quality As	Effect	N33L 2010	Effect
or description	name <sup>1</sup>	Values <sup>1</sup>	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
6. During the current s	school year, abou	t how o	often have you done th	ne following?														
a. Reached conclusions	QRconclude	1	Never	1	3	490	8	14	6	2,514	8							
based on your own		2	Sometimes	10	29	2,364	36	76	35	11,007	36							
analysis of numerical information (numbers,		3	Often	15	43	2,651	41	86	39	12,104	40	2.9	2.6	.32	2.7	.24	2.6 *	.34
graphs, statistics, etc.)		4	Very often	9	26	1,027	16	42	19	4,724	16							
grupiis, suusies, eter)			Total	35	100	6,532	100	218	100	30,349	100							
b. Used numerical	QRproblem	1	Never	2	6	875	13	46	21	4,336	14							
information to examine		2	Sometimes	8	24	2,508	39	65	30	11,608	38							
a real-world problem or	r	3	Often	16	47	2,210	34	67	31	10,240	34	2.9	2.5 **	.44	2.5 *	.41	2.5 **	.46
issue (unemployment, climate change, public		4	Very often	8	24	914	14	41	19	4,098	14							
health, etc.)			Total	34	100	6,507	100	219	100	30,282	100							
····· <b>,</b> ···· <b>,</b>																		
c. Evaluated what others	ORevaluate	1	Never	4	12	799	12	34	15	4,486	15							
have concluded from		2	Sometimes	14	41	2,662	41	90	41	12,426	41							
numerical information		3	Often	14	41	2,282	35	68	31	10,020	33	2.4	2.5	06	2.4	.00	2.4	.01
		4	Very often	2	6	768	12	28	13	3,357	11							
			Total	34	100	6,511	100	220	100	30,289	100							
7. During the current s	school year, abou	t how 1	nany papers, reports,	or other writ	ing ta	sks of the fo	llowing	g lengths ha	ve vou	ı been assig	ned? (	Include those not	vet compl	eted.)				
a. Up to 5 pages	wrshortnum	0	None	8	23	353	5	12	5	1,550	5			<i>,</i>				
	(Recoded version	1.5	1-2	13	37	1,306	20	53	24	5,454	18							
	of wrshort created	4	3-5	10	29	2,220	34	76	35	9,944	33							
	by NSSE. Values	8	6-10	3	9	1,477	23	49	22	7,220	24	3.0	6.3 ***	61	5.7 **	54	6.8 ***	*66
	are estimated	13	11-15	0	0	687	11	13	6	3,395	11							
	number of papers,	18	16-20	0	0	251	4	12	5	1,399	5		•		•		•	
	reports, etc.)	23	More than 20	1	3	230	4	4	2	1,409	5							
			Total	35	100	6,524	100	219	100	30,371	100							
b. Between 6 and 10	wrmednum	0	None	26	74	2,223	34	109	50	9,618	32							
pages	(Recoded version	1.5	1-2	4	11	2,421	37	63	29	11,489	38							
	of wrmed created	4	3-5	3	9	1,226	19	26	12	5,950	20							
	by NSSE. Values	8	6-10	2	6	425	7	12	6	2,253	7	1.0	2.3 *	42	1.9	29	2.5 ***	*45
	are estimated	13	11-15	0	0	147	2	6	3	667	2							
	number of papers,	18	16-20	0	0	31	0	1	0	144	0		•				•	
	reports, etc.)	23	More than 20	0	0	32	0	1	0	177	1							
			Total	35	100	6,505	100	218	100	30,298	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year St	udents <sup>a</sup> in					Freque	ncy Di	stributior	IS				Sta	atistical	Comparis	sons <sup>k</sup>		
Business				Tennessee	ſech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3 &	Tennessee Tech	Carneg	e Class	irst-year stude Quality As	surance	NSSE 2018	
Item wording or description	Variable name <sup>1</sup>	Values'	<sup>m</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
c. 11 pages or more	wrlongnum	0	None	32	91	4,872	75	187	85	22,177	73	incan	mean	5120	mean	5,20	mean	5,20
	(Recoded version	1.5	1-2	1	3	1,061	16	13	6	5,427	18							
	of wrlong created	4	3-5	1	3	289	4	8	4	1,317	4							
	by NSSE. Values	8	6-10	0	0	142	2	5	2	701	2	.5	1.0	16	.8	11	1.0	17
	are estimated number of papers,	13	11-15	1	3	102	2	5	2	460	2							
	reports, etc.)	18	16-20	0	0	27	0	0	0	107	0							
	• • •	23	More than 20	0	0	23	0	1	0	153	1							
			Total	35	100	6,516	100	219	100	30,342	100							
Estimated number of assigned pages of student writing.	10	le, reco	ded and summed by NSSE									24.8	51.5 *	39	44.9	28	54.8 *	42
	from wrshort, wrm estimated pages of	ed, and	wrlong. Values are															
8. During the current	t school year, abou	t how	often have you had dis	cussions with	peop	le from the f	ollowi	ng groups?										
a. People of a race or	DDrace	1	Never	1	3	191	3	11	5	1,549	5							
ethnicity other than		2	Sometimes	10	29	1,470	23	65	30	7,499	25							
your own		3	Often	10	29	2,200	34	72	33	9,926	33	3.1	3.1	08	2.9	.14	3.0	.03
		4	Very often	14	40	2,666	41	72	33	11,396	38							
			Total	35	100	6,527	100	220	100	30,370	100							
b. People from an	DDeconomic	1	Never	1	3	195	3	11	5	1,404	5							
economic background	d	2	Sometimes	7	20	1,384	21	54	25	7,078	23							
other than your own		3	Often	15	43	2,422	37	83	38	11,218	37	3.1	3.1	03	3.0	.12	3.0	.07
		4	Very often	12	34	2,521	39	71	32	10,663	35							
			<b>m</b> 1		100	6,522	100	219	100	30,363	100							
			Total	35	100	0,322	100	21)	100	,								
c. People with religious	0	1	Never	35 2	6		5	12	5	2,150	7							
beliefs other than you	0	1 2				304												
	0	•	Never	2	6	304	5	12	5	2,150	7	3.0	3.0	05	2.9	.07	2.9	.10
beliefs other than you	0	2	Never Sometimes	2 9	6 26	304 1,526	5 23	12 65	5 30	2,150 8,368	7 28	3.0	3.0	05	2.9	.07	2.9	.10
beliefs other than you	0	2 3	Never Sometimes Often	2 9 11	6 26 31	304 1,526 2,247	5 23 34	12 65 67	5 30 31	2,150 8,368 9,905	7 28 33	3.0	3.0	05	2.9	.07	2.9	.10
beliefs other than you own d. People with political	IT DDpolitical	2 3	Never Sometimes Often Very often	2 9 11 13	6 26 31 37	304 1,526 2,247 2,449 6,526	5 23 34 38	12 65 67 75	5 30 31 34	2,150 8,368 9,905 9,932	7 28 33 33	3.0	3.0	05	2.9	.07	2.9	.10
beliefs other than you own d. People with political views other than your	IT DDpolitical	2 3	Never Sometimes Often Very often Total	2 9 11 13 35	6 26 31 37 100	304 1,526 2,247 2,449 6,526	5 23 34 38 100	12 65 67 75 219	5 30 31 34 100	2,150 8,368 9,905 9,932 30,355	7 28 33 33 100		3.0	05	2.9	.07	2.9	.10
beliefs other than you own d. People with political	IT DDpolitical	2 3 4	Never Sometimes Often Very often Total Never	2 9 11 13 35 2	6 26 31 37 100 6	304 1,526 2,247 2,449 6,526 327	5 23 34 38 100 5	12 65 67 75 219 7	5 30 31 34 100 3	2,150 8,368 9,905 9,932 30,355 2,004	7 28 33 33 100 7	3.0	3.0	05	2.9	.07	2.9	.10
beliefs other than you own d. People with political views other than your	IT DDpolitical	2 3 4 1 2	Never Sometimes Often Very often Total Never Sometimes	2 9 11 13 35 2 8	6 26 31 37 100 6 23	304 1,526 2,247 2,449 6,526 327 1,728	5 23 34 38 100 5 26	12 65 67 75 219 7 60	5 30 31 34 100 3 28	2,150 8,368 9,905 9,932 30,355 2,004 8,318	7 28 33 33 100 7 27							



First-Year Stu	dents <sup>a</sup> in					Freque	ncy Di	stributior	S				St	atistical	Comparis	sons <sup>k</sup>		
Business								Quality		NSSE 2018	8&				first-year stude		red with	
				Tennessee 7	ſech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg	gie Class	Quality As	surance	NSSE 201	8 & 2019
Item wording	Variable		<b>n</b> .											Effect		Effect		Effect
or description	name'		" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
9. During the current so		out how o	•															
<ul> <li>a. Identified key information from</li> </ul>	LSreading	1	Never	0	0		1	1	0	521	2							
reading assignments		2	Sometimes	7	20		21	54	25	6,545	22	2.0						
0 0		3	Often	21	60	,	50	92	42	14,969	49	3.0	3.0	04	3.1	09	3.0	03
		4	Very often	7	20	,	27	71	33	8,291	27							
			Total	35	100	6,528	100	218	100	30,326	100							
<li>b. Reviewed your notes after class</li>	LSnotes	1	Never	2	6		5	5	2	1,378	5							
alter class		2	Sometimes	7	20	,	30	48	22	8,898	29	2.0	• •				• •	
		3	Often	14	40	,	38	90	41	11,491	38	3.0	2.9	.17	3.1	07	2.9	.15
		4	Very often	12	34	1,797	28	76	35	8,557	28							
<u>C</u>	1.0	1	Total	35	100	6,521	100	219	100	30,324	100							
<li>c. Summarized what you learned in class or from</li>	LSsummary	1	Never		6		5	5	2	1,637	5							
course materials		2	Sometimes	8	23	2,026	31	71	32	9,353	31	2.0	• •		• •		• •	
		3	Often	13	37	2,626	40	88	40	12,238	40	3.0	2.8	.21	2.9	.14	2.8	.21
		4	Very often	12	34	1,530	23	55	25	7,115	23							
			Total	35	100		100	219	100	30,343	100							
10. During the current	school year, to	what ex	•	s challenged y		-	t work											
	challenge	1	Not at all	0	0		1	3	1	322	1							
		2		1	3	69	1	1	0	362	1							
		3		2	6		6	9	4	1,567	5							
		4		4	11	841	13	27	12	3,950	13	5.3	5.3	.01	5.4	13	5.3	04
		5		12	34	2,404	37	75	34	10,521	35							
		6		11	31	1,709	26	50	23	7,550	25							
		7	Very much	5	14	1,061	16	54	25	5,993	20							
			Total	35	100	6,512	100	219	100	30,265	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	20	471	7	34	15	3,589	12							
internship, co-op, field	(Means indicate	•	Do not plan to do	3	9	293	4	23	10	2,155	7							
experience, student teaching, or clinical	the percentage		Plan to do	22	63	5,177	79	150	68	22,246	73	9%	9%	01	6%	.10	8%	.03
placement	who responded "Done or in		Done or in progress	3	9	582	9	13	6	2,360	8							
	progress.")		Total	35	100	6,523	100	220	100	30,350	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year Stu	dents <sup>a</sup> in				Frequer	ncy Di	stribution	s				Sta		Comparis			
Business			Tennessee T	ech	Carnegie C	lass	Quality Assurance	e	NSSE 2018 2019	8&	Tennessee Tech	Carneg		first-year stude Quality Ass	,	NSSE 2018	3 & 2019
Item wording	Variable	_											Effect		Effect		Effect
or description b. Hold a formal	name <sup>1</sup> leader	Values <sup>m</sup> Response options Have not decided	Count 11	% 31	Count 1,110	% 17	Count 60	% 27	Count 6,998	% 23	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size <sup>n</sup>
leadership role in a		Do not plan to do	9	26	861	13	52	24	5,998	20							
student organization or	(Means indicate the percentage	Plan to do	10	20 29	3.473	53	32 87	40	13,277	20 44	14%	16%	06	10%	15	13%	02
group	who responded	Done or in progress	5	14	1,072	16	21	10	4,034	13	14 /0	16%	06	10%	.15	13%	.03
	"Done or in	Total	35	100	6,516	100	21	100	30,307	100							
	progress.")				,												
c. Participate in a learning	learncom	Have not decided	17	49	1,650	25	70	32	9,172	30							
community or some other formal program	(Means indicate	Do not plan to do	5	14	1,808	28	57	26	8,117	27							
where groups of	the percentage	Plan to do	9	26	2,099	32	74	34	9,291	31	11%	15%	10	8%	.11	12%	02
students take two or	who responded "Done or in	Done or in progress	4	11	952	15	18	8	3,685	12							
more classes together	progress.")	Total	35	100	6,509	100	219	100	30,265	100							
d. Participate in a study	abroad	Have not decided	9	26	1,253	19	69	32	7,100	23							
abroad program	(Means indicate	Do not plan to do	13	37	1,118	17	67	31	7,476	25							
	the percentage	Plan to do	10	29	3,844	59	66	30	14,513	48	9%	5%	.17	7%	.06	4%	.19
	who responded	Done or in progress	3	9	295	5	15	7	1,215	4							
	"Done or in progress.")	Total	35	100	6,510	100	217	100	30,304	100							
e. Work with a faculty	research	Have not decided	9	26	2,286	35	78	35	11,400	38							
member on a research	(Means indicate	Do not plan to do	16	46	1,860	29	66	30	8,748	29							
project	the percentage	Plan to do	8	23	2,119	33	64	29	9,007	30	6%	4%	.09	5%	.01	4%	.09
	who responded	Done or in progress	2	6	248	4	12	5	1,166	4							
	"Done or in progress.")	Total	35	100	6,513	100	220	100	30,321	100							
f. Complete a culminating	capstone	Have not decided	11	31	2,145	33	67	31	10,078	33							
senior experience	(Means indicate	Do not plan to do	6	17	800	12	29	13	3,731	12							
(capstone course, senior project or thesis,	the percentage	Plan to do	17	49	3,445	53	107	49	15,875	52	3%	2%	.05	7%	21	2%	.06
comprehensive exam,	who responded	Done or in progress	1	3	133	2	16	7	607	2							
portfolio, etc.)	"Done or in progress.")	Total	35	100	6,523	100	219	100	30,291	100							
12. About how many of	your courses at	t this institution have included	l a community	y-base	ed project (s	ervice-	learning)?										
	servcourse	1 None	7	20	3,299	51	112	51	13,948	46							
		2 Some	24	69	2,665	41	85	39	13,306	44							
		3 Most	3	9	448	7	18	8	2,417	8	1.9	1.6 **	.52	1.6 **	.45	1.7 *	.40
		4 All	1	3	91	1	5	2	583	2							
		Total	35	100	6,503	100	220	100	30,254	100		_		_		_	



First-Year Stu	ıdents <sup>a</sup> in					Freque	ncy Di	stributior	IS				Sta	tistica	l Comparis	ons <sup>k</sup>		
Business				Tennessee	Геch	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carnegie		first-year stude Quality As	<u> </u>	nred with NSSE 2018	& 2019
Item wording or description	Variable name <sup>1</sup>	Values <sup>m</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
13. Indicate the quality							,-		,-									
a. Students	QIstudent	1		0	0		1	7	3	488	2							
		2		0	0	120	2	8	4	659	2							
		3		0	0	305	5	10	5	1,529	5							
		4		6	17	765	12	35	16	3,747	12							
		5		8	23	1,870	29	58	26	8,019	26	5.7	5.4	.21	5.2	.34	5.4	.21
		6		11	31	1,734	27	45	21	7,501	25							
		7	Excellent	10	29	1,619	25	53	24	7,871	26							
		_	Not applicable	0	0	24	0	3	1	542	2							
			Total	35	100	6,528	100	219	100	30,356	100							
b. Academic advisors	QIadvisor	1	Poor	0	0	160	2	7	3	906	3							
		2		0	0	246	4	8	4	1,155	4							
		3		2	6	414	6	17	8	2,134	7							
		4		2	6	872	13	30	14	3,919	13							
		5		4	11	1,419	22	39	18	6,106	20	6.1	5.3 ***	.48	5.3 **	.47	5.3 ***	.48
		6		10	29	1,411	22	40	18	6,319	21							
		7	Excellent	17	49	1,921	29	73	34	9,183	30							
		—	Not applicable	0	0	79	1	3	1	598	2							
			Total	35	100	6,522	100	217	100	30,320	100							
c. Faculty	QIfaculty	1	Poor	0	0	97	1	5	2	480	2							
		2		1	3	149	2	5	2	710	2							
		3		2	6	347	5	11	5	1,725	6							
		4		2	6	969	15	32	15	4,048	13							
		5		7	20	1,855	28	62	28	7,802	26	5.7	5.3 *	.34	5.3	.31	5.4	.27
		6		11	31	1,788	27	46	21	8,039	27							
		7	Excellent	12	34	1,271	20	54	25	7,168	24							
		_	Not applicable	0	0	41	1	3	1	336	1							
			Total	35	100	6,517	100	218	100	30,308	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year Stud	dents <sup>a</sup> in					Freque	ncy Di	istribution	S				Sta	itistical	Comparis	ons <sup>k</sup>		
Business				Tennessee	Tech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carnegie		first-year stude Quality Ass		NSSE 2018	3 & 2019
Item wording	Variable		m		- 1		- 1		- /					Effect		Effect		Effect
d. Student services staff	name <sup>1</sup> QIstaff	Values' 1	<sup>m</sup> Response options Poor	Count 0	%	Count 177	%	Count 5	%	Count 989	<u>%</u> 3	Mean	Mean	size "	Mean	size <sup>n</sup>	Mean	size "
(career services,	Qistaii	2	1001	0	0	252	4	2	1	1,116	4							
student activities,		3		3	9	500	8	15	7	2,144	7							
housing, etc.)		4		2	6	991	15	36	, 17	4,197	14							
		+ 5		5	14		24	43	20	6,522	21	5.7	5.1 *	.40	5.3	.29	5.1 *	.36
		6		11	31	1,330	24	43	19	6,084	20	5.1	5.1	.40	5.5	.29	5.1	.30
		7	Excellent	9	26		20	42 52	24	6,533	20							
			Not applicable	5	14	,	20 6	32 22	10	2,755	9							
			Total	35	100	6,523	100	217	100	30,340	100							
e. Other administrative	QIadmin	1	Poor	0	0	,	3	11	5	1,053	3							
staff and offices	Quudinin	2	1001	1	3	262	4	9	4	1,055	4							
(registrar, financial aid,		3		0	0		8	21	10	2,251	7							
etc.)		4		4	11		16	38	17	4,294	14							
		5		8	23		23	42	19	6,514	21	5.7	5.0 **	.46	4.9 **	.45	5.1 *	.37
		6		10	29		20	42	19	6,175	20	211	5.0	.+0	4.2	.+5	5.1	.57
		7	Excellent	10	29	,	17	49	22	6,728	22							
		_	Not applicable	2	6	,	9	8	4	2,109	7							
			Total	35	100		100	220	100	30,339	100							
14. How much does you	r institution er	nphasize	e the following?															
a. Spending significant	empstudy	- 1	Very little	0	0	100	2	5	2	540	2							
amounts of time		2	Some	7	20	1,379	21	51	23	6,355	21							
studying and on		3	Quite a bit	19	54	3,279	50	103	47	14,904	49	3.1	3.0	.04	3.0	.09	3.0	.03
academic work		4	Very much	9	26	1,764	27	59	27	8,502	28							
			Total	35	100	6,522	100	218	100	30,301	100							
b. Providing support to	SEacademic	1	Very little	1	3	166	3	9	4	1,005	3							
help students succeed		2	Some	4	11	1,456	22	55	25	6,476	21							
academically		3	Quite a bit	18	51	2,945	45	84	38	13,120	43	3.2	3.0	.19	3.0	.21	3.0	.16
		4	Very much	12	34	1,938	30	71	32	9,663	32							
			Total	35	100	6,505	100	219	100	30,264	100							
c. Using learning support	SElearnsup	1	Very little	0	0	293	4	9	4	1,542	5							
services (tutoring		2	Some	3	9	1,347	21	40	18	5,765	19							
services, writing		3	Quite a bit	18	51	2,649	41	78	36	11,865	39	3.3	3.0	.32	3.2	.19	3.1	.28
center, etc.)		4	Very much	14	40	2,227	34	92	42	11,122	37							
			Total	35	100	6,516	100	219	100	30,294	100							



Business         Note:         Carregic Lise:	First-Year Stud	dents <sup>a</sup> in	1				Freque	ncy Di	stribution	S				St	atistical	Compari	sons <sup>k</sup>		
$ \begin{array}{  c                                  $	Business								Quality		NSSE 2018	8&			Your j	first-year stud	ents comp	ared with	
					Tennessee 1	「ech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carneg	ie Class	Quality As	ssurance	NSSE 201	.8 & 2019
c. Econgaing contact among subtering different hackgrounds (cocal, neichabae, religon, ek.)         2 Some         3 0         541         8         25         11         3,172         10           among subtering (cocal, neichabae, religon, ek.)         3 Oute a bit         13         2 some         72         28         100         28         62         28         8,50         28         2.7         2.8        15         2.7         .05         2.8         .08           column backgrounds (cocal, neichabae, religon, ek.)         4         Very much         15         20         6.1         00         219         100         30.285         10         30.285         10           e         Possiding apportunities to be involved socially         Slocial         1         Very much         2         30         44         100         55         1.766         6           f         Oute a bit         19         5         2.01         1.421         2.2         1.421         2.2         9.0         3.0         0.0         2.9         0.3         0.0         0.2           f         Oute a bit         10         0.41         0.0         0.218         100         0.3284         100         0.30.28         100	5																		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	· · · · · · · · · · · · · · · · · · ·		Values										Mean	Mean	size "	Mean	size "	Mean	size "
$ \begin{array}{c} \text{different backgrounds} & 1 & Very in the constraint of the table of $	00	SEdiverse	1	,							,								
(acail, neial/ethnic, religions, etc.)         4         Very mach         17         2         17         2         17         2.0         2.8         .08         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0.88         3         0         0         3         0.88         3         0         0         3         0.88         3         0         0         3         0.8         3         0         0         3         0.8         3         0         0         3         0         0         3         0         3         0         3         0         3         0         3         0         3         0         3         0         3         0         0         3         0         0         0         0         0         0         0         0         0         0         0 <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8						,						2.5						
$ \begin{array}{  c   } \hline \  c    c    c    c    c    c    c   $	6		-	•			· ·				,		2.7	2.8	15	2.7	05	2.8	08
e. Froviding opportunities to be involved socially e. Froviding opportunities to be involved socially f. Froviding support for your overall well-being f. Helping your mane- counseling etc.) f. Helping your mane- your overall well-being f. Helping your mane- support for your overall well-being f. Helping your	religious, etc.)		4	•			,				,								
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				Total	35	100	6,510	100	219	100	30,285	100							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0 11	SEsocial	1	Very little	1	3	290	4	10	5	1,796	6							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	to be involved socially		2	Some	7	20	1,421	22	56	26	6,952	23							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			3	Quite a bit	19	54	2,691	41	88	40	12,259	41	3.0	3.0	05	2.9	.03	3.0	.02
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)       SEwellness       1       Very little       2       6       378       6       9       4       2,229       7         2       Some       9       26       1,471       23       48       22       7,354       24         3       Quite a bit       15       43       2,638       41       97       44       11,950       40         4       Very much       9       26       1,471       23       48       22       7,354       24         4       Very much       9       26       1,471       23       48       22       7,354       24         4       Very much       9       26       100       30,18       100       30,18       100         9       10       6,499       100       22       6,293       21       30       66       30       8,837       29       2.4      18       2.4      22         your non-academic       2       Some       11       31       1.240       19       49       22       6,293       21         1       Mathein seamos       3       Quite a bit			4	Very much	8	23	2,112	32	64	29	9,247	31							
your overall well-being (recreation, heath care, counseing, etc.)         2         Some         9         26         1.471         23         48         22         7.354         24           3         Quie a bit         15         43         2.638         41         97         44         11.950         40           4         Very much         9         26         2.012         31         64         29         8.685         29           5         Helping your non-academic proprinting work, family, etc.)         1         Very little         11         31         2.173         36         75         34         10.623         35           6         1         31         2.373         36         75         34         10.623         35           7         4         Very much         4         91         93         66         30         8.837         29         2.4        24         2.4        18         2.4        22           4         Very much         4         11         32         1.986         2.5         7         26         7.665         2.5           4         Very much         9         2.6         1.986         2.5 </td <td></td> <td></td> <td></td> <td>Total</td> <td>35</td> <td>100</td> <td>6,514</td> <td>100</td> <td>218</td> <td>100</td> <td>30,254</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				Total	35	100	6,514	100	218	100	30,254	100							
your overall well-being terestation, health care, counseing, etc.)         2         Some         9         26         1.471         23         48         22         7.35         24           3         Quite a bit         15         43         2.638         41         97         44         11.950         40           4         Very much         9         26         2.012         31         64         29         8.68         20           5         Helping your non-academic proprinon-academic responsibilities (work, family, etc.)         1         Very intle         11         31         2.373         36         75         34         10.623         35           6         10         9         26         1.966         30         66         30         8.87         29         2.4         -25<	f. Providing support for	SEwellness	1	Very little	2	6	378	6	9	4	2,229	7							
increasing energy increasing energy in the state in	0 11		2	•	9	26	1.471	23	48	22		24							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			3		15								2.9	3.0	- 09	3.0	- 13	29	- 01
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	counseling, etc.)			-			,				,			5.0	07	5.0	15	2.7	01
g.       Helping you manage your non-academic responsibilities (work, family, etc.)       SEnonacad       1       Very litle       11       31       1.240       19       49       22       6.293       21         g.       Helping you manage your non-academic responsibilities (work, family, etc.)       3       Quite a bit       9       26       1.966       30       66       30       8.837       29         4       Very much       4       11       931       14       30       14       4491       15         7 total       35       100       6.510       100       220       100       30,244       100         h.       Attending campus activities and events etc.)       3       Quite a bit       14       41       931       14       30       14       4491       15         10       6510       100       620       9       3,175       11       33       Quite a bit       14       41       936       41       90       41       11,583       38       2.9       0.4       2.8       .16       2.8       .16       2.9       .04       2.8       .16       2.8       .16       2.9       .04       2.8       .16       2.8       .16			-				,				,								
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	a Halping you mapaga	SEpanaad	1				,				,								
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 1 07 0	SEllollacau		•			· ·												
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	•												2.2						
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	family, etc.)		-	•	· · · ·		· ·						2.2	2.4	24	2.4	18	2.4	22
h.       Attending campus activities and events (performing arts, athletic events, etc.)       SEactivities       1       Very little       0       0       406       6       20       9       3,175       11         activities and events (performing arts, athletic events, etc.)       3       Quite a bit       14       41       2,688       41       90       41       11,583       38         4       Very much       9       2.6       1,810       28       52       2.4       7,804       2.6         -       Total       34       100       6,502       100       219       100       30,227       100         i.       Attending events that address important social, economic, or political issues       1       Very little       2       6       779       12       31       14       4,626       15         4       Very much       12       35       2,288       35       89       41       10,009       33       2.5       2.6      05       2.6      04       2.5       .00			4																
activities and events (performing arts, athletic events, etc.)       2       Some       11       32       1,598       25       57       26       7,665       25         3       Quite a bit       14       41       2,688       41       90       41       11,583       38         4       Very much       9       26       1,810       28       52       24       7,804       26         7 total       34       100       6,502       100       219       100       30,227       100       2.9       .04       2.8       .16       2.8       .16         4       Very much       2       6       779       12       31       14       4,626       15         address important social, economic, or political issues       3       Quite a bit       12       35       2,28       35       89       41       10,009       33       2.5       2.6      05       2.6      04       2.5       .00																			
(performing arts, athletic events, etc.)       3       Quite a bit       14       4       2,688       41       90       41       11,583       38       2.9       .04       2.8       .16       2.9       .16       2.9       .16       2.9       .16       2.9 <t< td=""><td>ē .</td><td>SEactivities</td><td>1</td><td></td><td>0</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></t<>	ē .	SEactivities	1		0														
athletic events, etc.)       3       Quife a bit       14       41       2,688       41       90       41       11,83       38       2.9       .04       2.8       .16       2.9       .04       2.8       .16       2.8       .16       2.8       .16       2.8       .16       2.9       .16       2.9       .16       2.9       .04       2.8       .16       <			2	Some	11	32	1,598	25	57	26		25							
4       Very much       9       26       1,810       28       52       24       7,804       26         Total       34       100       6,502       100       219       100       30,227       100         i. Attending events that scene simportant social, economic, or political issues       1       Very much       2       6       779       12       31       14       4,626       15         3       Quite a bit       12       35       2,315       36       66       30       10,281       34         4       Very much       4       12       35       2,288       35       89       41       10,009       33       2.5       2.6      05       2.6      04       2.5       .00	4 0		3	Quite a bit	14	41	2,688	41	90	41	11,583	38	2.9	2.9	.04	2.8	.16	2.8	.16
i. Attending events that address important       SEevents       1       Very little       2       6       779       12       31       14       4,626       15         address important social, economic, or political issues       2       Some       16       47       2,315       36       66       30       10,281       34         4       Very much       12       35       2,288       35       89       41       10,009       33       2.5       2.6      05       2.6      04       2.5       .00	,		4	Very much	9	26	1,810	28	52	24	7,804	26							
address important 2 Some 16 47 2,315 36 66 30 10,281 34 social, economic, or political issues 4 Very much 4 12 1,129 17 33 15 5,319 18 <b>2.6</b> 05 2.604 2.5 .00				Total	34	100	6,502	100	219	100	30,227	100							
social, economic, or political issues 3 Quite a bit 12 35 2,288 35 89 41 10,009 33 2.5 2.605 2.604 2.5 .00 4 Very much 4 12 1,129 17 33 15 5,319 18	i. Attending events that	SEevents	1	Very little	2	6	779	12	31	14	4,626	15							
political issues 3 Quite a bit 12 35 2,288 35 89 41 10,009 33 <b>2.5</b> 2.605 2.604 2.5 .00 4 Very much 4 12 1,129 17 33 15 5,319 18	•		2	Some	16	47	2,315	36	66	30	10,281	34							
4 Very much 4 12 1,129 17 33 15 5,319 18			3	Quite a bit	12	35	2,288	35	89	41	10,009	33	2.5	2.6	05	2.6	04	2.5	.00
	political issues		4	Very much	4	12	1,129	17	33	15	5,319	18							
				Total	34	100	6,511	100	219	100	30,235	100							



<b>First-Year Stu</b>	dents <sup>a</sup> in					Freque	ncy Di	stribution	IS				St	atistica	l Compari	sons <sup>k</sup>		
Business				Tennessee T	ech	Carnegie C	lass	Quality Assuranc	e	NSSE 2018 2019	8&	Tennessee Tech	Carneg	Your ; gie Class	first-year stud Quality As	,	nred with NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description 15. About how many h	name <sup>1</sup>	Values"		Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>
a. Preparing for class	tmprephrs	1 m a t 0	0 hrs	ing the following	ng: 0	27	0	1	0	139	0							
(studying, reading,	•••	3	1-5 hrs	4	11	617	9	35	16	3,736	12							
writing, doing	(Recoded version	5 8	6-10 hrs		34	1,500	23	55 58	26	5,730 7,232	24							
homework or lab work,	of tmprep created by NSSE. Values			12		,				,								
analyzing data,	are estimated	13 18	11-15 hrs 16-20 hrs	8 5	23	1,647 1,340	25	58	26	7,343 5,871	24 19	13.1	147	20	10.6	00	14.1	10
rehearsing, and other	number of hours			3	14 9	,	21 11	39	18	<i>,</i>		13.1	14.7	20	12.6	.08	14.1	12
academic activities)	per week.)	23	21-25 hrs	-		743		17	8	3,266	11							
		28	26-30 hrs	2	6	367	6	9	4	1,439	5							
		33	More than 30 hrs	1	3	264	4	3	1	1,219	4							
1 <b>5</b> 3 1 3 1		0	Total	35	100	6,505	100	220	100	30,245	100							
<ul> <li>b. Participating in co- curricular activities</li> </ul>	tmcocurrhrs	0	0 hrs	11	32	1,146	18	65	30	8,185	27							
(organizations, campus	(Recoded version	3	1-5 hrs	12	35	2,174	33	68	31	9,267	31							
publications, student	of tmcocurr	8	6-10 hrs	8	24	1,476	23	39	18	5,444	18							
government, fraternity	created by NSSE.	13	11-15 hrs	0	0	816	13	18	8	3,287	11	- 1						
or sorority,	Values are estimated number	18	16-20 hrs	1	3	465	7	15	7	2,075	7	5.1	7.5	32	6.3	16	6.7	22
intercollegiate or	of hours per	23	21-25 hrs	1	3	245	4	6	3	1,075	4							
intramural sports, etc.)	week.)	28	26-30 hrs	0	0	72	1	2	1	381	1							
		33	More than 30 hrs	1	3	110	2	5	2	516	2							
			Total	34	100	6,504	100	218	100	30,230	100							
c. Working for pay	tmworkonhrs	0	0 hrs	26	74	4,955	76	164	75	23,077	76							
on campus	(Recoded version	3	1-5 hrs	2	6	205	3	9	4	1,269	4							
	of tmworkon	8	6-10 hrs	5	14	483	7	12	5	2,258	7							
	created by NSSE.	13	11-15 hrs	0	0	417	6	11	5	1,718	6							
	Values are	18	16-20 hrs	0	0	267	4	16	7	1,156	4	2.9	3.0	01	3.6	09	2.8	.02
	estimated number of hours per	23	21-25 hrs	1	3	118	2	3	1	453	1							
	oj nours per week.)	28	26-30 hrs	0	0	20	0	1	0	106	0							
	incom)	33	More than 30 hrs	1	3	38	1	4	2	187	1							
			Total	35	100	6,503	100	220	100	30,224	100							



First-Year Stu	idents <sup>a</sup> in					Freque	ncy D	istribution	S				Sta	tistical	Comparis	sons <sup>k</sup>		
Business								Quality		NSSE 2018	3&			Your f	first-year stud	ents compo	ared with	
				Tennessee 1	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 "	Mean	size <sup>n</sup>
<ul> <li>d. Working for pay off campus</li> </ul>	tmworkoffhrs	0	0 hrs	17	49	4,749	73	125	57	19,435	64							
on campus	(Recoded version	3	1-5 hrs	2	6	285	4	10	5	1,402	5							
	of tmworkoff	8	6-10 hrs	3	9	388	6	13	6	1,676	6							
	created by NSSE. Values are	13	11-15 hrs	2	6	329	5	17	8	1,728	6	0.1						
	estimated number	18	16-20 hrs	3	9	338	5	9	4	1,828	6	9.1	3.9 **	.66	8.1	.09	6.4	.25
	of hours per	23	21-25 hrs	5	14	222	3	24	11	1,289	4							
	week.)	28	26-30 hrs	1	3	82	1	3	1	712	2							
		33	More than 30 hrs	2	6		2	19	9	2,189	7							
			Total	35	100	6,505	100	220	100	30,259	100							
Estimated number of	tmworkhrs																	
hours working for pay	(Continuous											12.0	6.8 *	.48	11.7	02	0.2	22
	variable created											12.0	6.8 *	.48	11.7	.03	9.2	.23
	by NSSE)																	
		0	0.1	22		2 400	<b>5</b> 4	101	~ ~	16.011								
<ul> <li>Doing community service or volunteer</li> </ul>	tmservicehrs	0	0 hrs	23	66	,	54	121	55	16,811	56							
work	(Recoded version	3	1-5 hrs	8	23	2,121	33	71	32	9,404	31							
	of tmservice	8	6-10 hrs	1	3	431	7	12	5	1,888	6							
	created by NSSE. Values are	13	11-15 hrs	1	3	213	3	7	3	951	3	2.7	2.0	01	2.7	01	2.7	00
	estimated number	18	16-20 hrs	0	0	134	2	6	3	605	2	2.1	2.8	01	2.7	.01	2.7	.00
	of hours per	23	21-25 hrs	1	3	76	1	1	0	327	1							
	week.)	28	26-30 hrs	1	3	15	0	0	0	91	0							
		33	More than 30 hrs	0	0	27	0	2	1	175	1							
		0	Total	35	100	6,506	100	220	100	30,252	100							
<li>f. Relaxing and socializing (time with</li>	tmrelaxhrs	0	0 hrs	1	3	84	1	8	4	616	2							
friends, video games,	(Recoded version	3	1-5 hrs	5	14	890	14	51	24	5,555	18							
TV or videos, keeping	of tmrelax created	8	6-10 hrs	13	37	1,658	25	50	23	7,865	26							
up with friends online,	by NSSE. Values are estimated	13	11-15 hrs	3	9	1,532	24	44	20	6,409	21	12.0	10.5	10	12.0		12.0	00
etc.)	number of hours	18	16-20 hrs	8	23	1,159	18	32	15	4,632	15	12.9	13.7	10	12.0	.11	12.9	.00
	per week.)	23	21-25 hrs	1	3	530	8	14	6	2,158	7							
	• /	28	26-30 hrs	1	3	209	3	4	2	928	3							
		33	More than 30 hrs	3	9	446	7	14	6	2,098	7							
			Total	35	100	6,508	100	217	100	30,261	100							



First-Year Stu	idents <sup>a</sup> in					Frequer	ncy Di	stribution	S				St	atistical	Comparis	ons <sup>k</sup>		
Business				Tennessee 1	-ech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	8&	Tennessee Tech			first-year stude Quality As	ents compa	NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name <sup>1</sup>	Values <sup>**</sup>		Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
g. Providing care for	tmcarehrs	0	0 hrs	24	69	5,309	82	156	71	22,417	74							
dependents (children,	(Recoded version	3	1-5 hrs	3	9	475	7	23	11	2,993	10							
parents, etc.)	of tmcare created	8	6-10 hrs	3	9	242	4	12	5	1,390	5							
	by NSSE. Values	13	11-15 hrs	2	6	198	3	8	4	1,002	3							
	are estimated number of hours	18	16-20 hrs	2	6	139	2	2	1	715	2	3.5	1.9	.32	3.9	05	3.2	.04
	per week.)	23	21-25 hrs	0	0	65	1	4	2	380	1							
	per week.)	28	26-30 hrs	1	3	17	0	1	0	176	1							
		33	More than 30 hrs	0	0	49	1	13	6	1,133	4							
			Total	35	100	6,494	100	219	100	30,206	100							
h. Commuting to campus	tmcommutehrs	0	0 hrs	5	15	2,382	37	68	31	13,941	46							
(driving, walking, etc.)	(Recoded version	3	1-5 hrs	19	56	2,535	39	100	46	9,869	33							
	of tmcommute	8	6-10 hrs	4	12	829	13	28	13	3,199	11							
	created by NSSE.	13	11-15 hrs	3	9	374	6	11	5	1,483	5							
	Values are	18	16-20 hrs	1	3	183	3	4	2	764	3	6.1	4.3	.29	4.4	.26	3.9 *	.36
	estimated number of hours per	23	21-25 hrs	0	0	100	2	3	1	411	1	012		.29		.20		100
	week.)	28	26-30 hrs	1	3	35	1	1	0	183	1							
		33	More than 30 hrs	1	3	76	1	4	2	426	1							
		55	Total	34	100	6,514	100	219	100	30,276	100							
16. Of the time you spo	end preparing for	class i	in a typical 7-day weel	, about how i	nuch	is on assigne	ed read	ing?										
• •	reading	1	Very little	4	11	768	12	33	15	3,058	10							
		2	Some	16	46		36	77	35	9,905	33							
		3	About half	9	26	1,935	30	74	34	9,553	32	2.5	2.7	17	2.5	01	2.8	26
		4	Most	5	14	1,107	17	33	15	5,811	19	2.0	2.1	17	2.5	01	2.8	20
		5	Almost all	1	3	371	6	3	1	1,933	6							
		5	Total	35	100	6,506	100	220	100	30,260	100							
			Total	55	100	0,500	100	220	100	50,200	100							
	tmreadinghrs																	
of tmprephrs bas		e Very li	lated as a proportion ttle=.10; Some=.25; t all=.90)									5.4	6.6	20	5.2	.04	6.7	22



Frequencies and Statistical Comparisons: Business Tennessee Technological University

First-Year St	udents <sup>ª</sup> in					Frequer	ncy Di	stribution	s				St	atistical	Compari	sons <sup>k</sup>		
Business				Tennessee 1	Геch	Carnegie C	ass	Quality Assuranc	9	NSSE 2018 2019	3 &	Tennessee Tech	Carneg		first-year stud Quality As	<u> </u>	nred with	
Item wording	Variable		<i>m</i>		- /		- (							Effect		Effect		Effect
or description	name <sup>1</sup> tmreadinghrscol	Values	<sup>m</sup> Response options 0 hrs	Count 0	%	Count 27	% 0	Count	% 0	Count 139	<u>%</u> 0	Mean	Mean	size "	Mean	size "	Mean	size "
	(Collapsed version of tmreadinghrs	2	More than zero, up to 5 hrs	23	66		50	134	61	15,133	50							
	created by NSSE.)	3	More than 5, up to 10 hrs	7	20	1,965	30	61	28	8,831	29							
		4	More than 10, up to 15 hrs	3	9	654	10	16	7	3,224	11							
		5	More than 15, up to 20 hrs	1	3	297	5	4	2	1,480	5							
		6	More than 20, up to 25 hrs	1	3		3	1	0	940	3							
		7	More than 25 hrs	0	0		1	3	1	372	1							
			Total	35	100	6,477	100	220	100	30,119	100							
17. How much has yo	our experience at th	nis inst	itution contributed to	your knowled	lge, sl	kills, and per	sonal o	developmen	t in th	e following	areas	?						
a. Writing clearly and	pgwrite	1	Very little	5	14	468	7	9	4	1,742	6							
effectively		2	Some	9	26	1,864	29	59	27	7,885	26							
		3	Quite a bit	12	34	2,804	43	82	37	13,447	45	2.7	2.8	08	3.0	28	2.9	17
		4	Very much	9	26	,	21	69	32	7,136	24							
			Total	35	100		100	219	100	30,210	100							
<li>b. Speaking clearly and effectively</li>	pgspeak	1	Very little	5	14	597	9	15	7	2,546	8							
enectively		2	Some	9	26	,	30	55	25	8,601	28	• •						
		3	Quite a bit	10	29		39	80	37	12,110	40	2.8	2.7	.03	2.9	17	2.8	01
		4	Very much	11	31	1,443	22	69	32	7,012	23							
Thisting with the sec	4	1	Total	35	100		100	219	100	30,269	100							
<ul> <li>c. Thinking critically an analytically</li> </ul>	d pgthink	2	Very little Some	9	3 26		20	43	3 20	5,977	20							
		2	Quite a bit	13	20 37	2,941	20 45	43 81	20 37	13,622	20 45	3.0	2.1	04	2.1	14	2.1	04
		4	Very much	13	34	2,941	32	89	40	9,751	32	5.0	3.1	04	3.1	14	3.1	04
		+	Total	35	100	,	100	220	100	30,291	100							
d. Analyzing numerical	pganalyze	1	Very little	2	6	,	8	15	7	2,647	9							
and statistical	P.6	2	Some	8	23		29	56	26	8,919	29							
information		3	Quite a bit	13	37	2,552	39	88	40	11,856	39	3.0	2.8	.23	2.9	.13	2.8	.27
		4	Very much	12	34	1,571	24	60	27	6,862	23							
			Total	35	100		100	219	100	30,284	100							



Business         Tennessee Tech         Carnegie Class         Quality         SSS 2018 k         Tennessee Tech         Quality         SSS 2018 k         Tennessee Tech         Carnegie Class         Assurance         Carnegie Class         Assurance         Carnegie Class         Carnegie Class         Sourt         State         Tennessee Tech         Carnegie Class         Sourt         State         Mem         <	
tern wording or description exact related knowledge and skills         vortable tanne         vortable volume         Reginate options (accord related knowledge and skills         volume (accord (accord)         Count (accord)         st (accord)         count (accord)         st (accord)         (accord)         (accor	with
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	ISSE 2018 & 2019
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Effect
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skills10111<	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2.0
Image: constraint of the section of the sectin of the section of the section of the section of the sect	2.8 .27
f. Working effectively with others       pgothers       1       Very little       2       6       357       5       20       9       1.886       6         2       Some       8       23       1.705       26       62       29       7.972       26         3       Quite a bit       16       46       2.681       41       75       35       12,516       41         4       Very much       9       26       1,768       27       59       27       7.907       26         g.       Developing or clarifying a personal code of values and ethics       pgvalues       1       Very little       4       11       610       9       29       13       2.865       9         h.       Understanding people of other backgrounds (economic, racial/ethic, political, religious, nationality, etc.)       10       2.955       39       77       35       11.846       39         h.       Understanding people of other backgrounds (economic, racial/ethic, political, religious, nationality, etc.)       9       10       6.518       100       219       100       30.287       100         i. Solving complex real- portsolve       9       12       34       1,763       27       68       31	
with others       2       Some       8       23       1,705       26       62       29       7,972       26         3       Quite a bit       16       46       2,681       41       75       35       12,516       41       2,99       2,9       2,8       1,12         4       Very much       9       26       1,768       27       59       27       7,977       26         5       Developing or ectrifying a personal code of values and ethics       9       10       216       100       30,281       100       2.9       2.9       2.9       2.8       1.2         7       Developing or ethics       pg values       1       Very litle       4       11       610       9       29       13       2.865       9         4       Very much       65       17       1,523       23       56       26       7,258       24         4       Very much       65       10       1,213       23       56       26       7,258       24       2.7       2.8       -12       2.7      08         1       Understanding people of other backgrounds (cconomic, recial/ethnic, political, ecco       pg/giverse       1       <	
Image: second	
4         Very much         9         26         1.768         27         59         27         7.907         26           Total         35         100         6.511         100         216         100         30,281         100           9         Developing or clarifying a personal code of values and ethics         9         1         100         29         13         2,865         9           4         Very much         6         15         43         2,555         39         77         35         11,846         39           4         Very much         66         17         1,523         23         56         26         7,258         24           10         0         6,508         100         219         100         30,287         100           10         10         6,508         100         219         100         30,287         100         26,23         9           of other backgrounds (ceconomic, racial/ethic, political, ecco.         3         Quite a bit         11         41         461         7         21         10         2,623         9           1         Inderstanding people of other backgrounds (ceconomic, racial/ethic, political, ecco.	
Indextanting people of other backgrounds (cconomic, racial/ethnic, political, recipious, nationality, etc.)         pgdiverse 1         Very little         4         11         610         9         29         13         2,865         99           g.         Developing or clarifying a personal code of values and ethics         2         Some         10         29         1,820         28         57         26         8,318         27           4         Very much         6         17         1,523         23         56         26         7,258         24           Total         35         100         6,508         100         219         100         30,287         100           h         Understanding people of other backgrounds (cconomic, racial/ethnic, political, recial/ethnic, political, recial/ethni	2.9 .05
g.       Developing or clarifying a personal code of values and ethics       pgvalues       1       Very little       4       11       610       9       29       13       2,865       9         g.       Developing or clarifying a personal code of values and ethics       3       Quite a bit       15       43       2,555       39       77       35       11,846       39         d.       Very much       6       17       1,523       23       56       26       7,258       24         d.       Very much       6       17       1,523       23       56       26       7,258       24         h.       Understanding people other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       g.       Quite a bit       12       34       1,763       27       68       31       8,185       27         i.       Solving complex real- etc.)       Total       3       Quite a bit       12       34       2,515       39       69       32       11,517       38         i.       Solving complex real- etc.)       Total       35       100       6,518       100       219       100       30,293       100         i.       Solving complex real- etc.)	
clarifying a personal code of values and ethics       2       Some       10       29       1,820       28       57       26       8,318       27       2.8      12       2.7      08         a difficience       3       Quite a bit       15       43       2,555       39       77       35       11,846       39       2.7       2.8      12       2.7      08         -       Total       35       100       6.508       100       219       100       30,287       100         h.       Understanding people pediverse       1       Very much       4       11       461       7       21       10       2,623       9         of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       3       Quite a bit       12       34       2,515       39       69       32       11,517       38         etc.)       Total       12       34       2,515       39       69       32       11,517       38       2.6       2.9      26       2.8      15         religious, nationality, etc.)       Total       7       20       1,779       27       61       28       7,968       26       2.9<	
code of values and ethics       2       bonc       10       20       1,000       20       5,010       27         a       Quite a bit       15       43       2,555       39       77       35       11,846       39       2.7       2.8      12       2.7      08         a       Very much       6       17       1,523       23       56       26       7,258       24         b       Understanding people       pgdiverse       1       Very litle       4       11       461       7       21       10       2,623       9         of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       3       Quite a bit       12       34       2,515       39       69       32       11,517       38       2.6       2.9      26       2.8      15         i. Solving complex real- its of the back real- condition       39       596       9       31       14       2,928       100         i. Solving complex real- per back real-       pgprobsolve       1       Very little       3       9       596       9       31       14       2,928       10	
ethics       3       Quite a bit       15       43       2,555       39       77       35       11,846       39       2.7       2.8      12       2.7      08         4       Very much       6       17       1,523       23       56       26       7,258       24         -       Total       35       100       6,508       100       219       100       30,287       100         h.       Understanding people of the backgrounds (economic, racial/ethnic, political, racial/ethnic, political, racial/ethnic, political, etc.)       3       Quite a bit       12       34       1,763       27       68       31       8,185       27         etc.)       3       Quite a bit       12       34       2,515       39       69       32       11,517       38       2.9      26       2.8      15         religious, nationality, etc.)       Total       35       100       6,518       100       219       100       30,293       100         i.       Solving complex real- pgprobsolve       1       Very little       3       9       596       9       31       14       2,928       10	
Total       35       100       6,508       100       219       100       30,287       100         h.       Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       pgdiverse       1       Very little       4       11       461       7       21       10       2,623       9         h.       Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       30       Quite a bit       112       34       2,515       39       69       32       11,517       38       2.9      26       2.8      15         i.       Solving complex real- pgrobsolve       pgprobsolve       1       Very little       3       9       596       9       31       14       2,928       10	2.813
h.       Understanding people of other backgrounds of other backgrounds       pgdiverse       1       Very little       4       11       461       7       21       10       2,623       9         of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)       3       Quite a bit       12       34       1,763       27       68       31       8,185       27         etc.)       3       Quite a bit       12       34       2,515       39       69       32       11,517       38         etc.)       Total       7       20       1,779       27       61       28       7,968       26         i.       Solving complex real- pgprobsolve       1       Very little       3       9       596       9       31       14       2,928       10	
of other backgrunds (economic, racial/ethnic, political, religious, nationality, etc.)       2       Some       12       34       1,763       27       68       31       8,185       27         4       Very much       12       34       2,515       39       69       32       11,517       38         etc.)       Total       35       100       6,518       100       219       100       30,293       100         i. Solving complex real-       pgprobsolve       1       Very little       3       9       596       9       31       14       2,928       10	
(economic, racial/ethnic, political, etc.)     3     Quite a bit     12     34     1,703     27     603     51     6,103     27       i. Solving complex real- i. Solving complex real- in the bit     3     Quite a bit     12     34     2,515     39     69     32     11,517     38     2.6     2.9    26     2.8    15       etc.)     Total     35     100     6,518     100     219     100     30,293     100       i. Solving complex real- in the bit of t	
racial/ethnic, political, religious, nationality, etc.)     3     Quite a bit     12     34     2,515     39     69     32     11,517     38 <b>2.0</b> 2.9    26     2.8    15       religious, nationality, etc.)     4     Very much     7     20     1,779     27     61     28     7,968     26     2.9    26     2.8    15       etc.)     Total     35     100     6,518     100     219     100     30,293     100       i.     Solving complex real- pgprobsolve     1     Very little     3     9     596     9     31     14     2,928     10	
religious, nationality, etc.)     4     Very much     7     20     1,779     27     61     28     7,968     26       etc.)     Total     35     100     6,518     100     219     100     30,293     100       i.     Solving complex real- peprobsolve     1     Very little     3     9     596     9     31     14     2,928     10	2.821
i. Solving complex real- pgprobsolve 1 Very little 3 9 596 9 31 14 2,928 10	
world problems 2 Some 10 29 2 030 31 63 29 9 507 31	
3 Quite a bit 13 37 2,428 37 75 34 11,408 38 <b>2.8</b> 2.7 .08 2.7 .14	2.7 .10
4 Very much 9 26 1,463 22 51 23 6,448 21	
Total 35 100 6,517 100 220 100 30,291 100	
j. Being an informed and pgcitizen 1 Very little 3 9 581 9 32 15 3,072 10	
active citizen 2 Some 10 29 1,918 29 63 29 9,135 30	
3 Quite a bit 12 35 2,489 38 69 32 11,225 37 <b>2.8</b> 2.8 .04 2.7 .12	2.7 .08
4 Very much 9 26 1,523 23 55 25 6,860 23	
Total 34 100 6,511 100 219 100 30,292 100	



First-Year Studen	t-Year Students <sup>a</sup> in iness					Frequer	ncy Di	stribution	s				St	atistica	l Comparis	sons <sup>k</sup>		
Business								Quality		NSSE 2018	R 8.			Your	first-year stud	ents compo	ared with	
				Tennessee T	ech	Carnegie C	ass	Assuranc		2019	50	Tennessee Tech	Carneg	gie Class	Quality As	surance	NSSE 201	8 & 2019
item wording	′ariable name <sup>I</sup>	Values"	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
18. How would you evaluate y					?													
	valexp	1	Poor	0	0	114	2	6	3	644	2							
		2	Fair	3	9	772	12	33	15	3,990	13							
		3	Good	16	46	3,243	50	111	50	14,560	48	3.4	3.2	.22	3.1	.35	3.2	.24
		4	Excellent	16	46	2,402	37	70	32	11,192	37							
			Total	35	100	6,531	100	220	100	30,386	100							
19. If you could start over aga	ain, would	l you go	to the same institution	<i>ı</i> you are nov	v atte	nding?												
sa	ameinst	1	Definitely no	1	3	216	3	14	6	1,217	4							
		2	Probably no	1	3	792	12	34	15	4,152	14							
		3	Probably yes	15	43	2,728	42	101	46	12,670	42	3.4	3.2	.24	3.0 *	.46	3.2	.29
		4	Definitely yes	18	51	2,808	43	71	32	12,401	41							
			Total	35	100	6,544	100	220	100	30,440	100							
20. Do you intend to return to	o this insti	tution r	next year? <sup>f</sup>															
ret	turnexp		No	0	0	258	4	14	6	1,538	5							
(Means indicate the perc	0		Yes	32	91	5,828	89	187	85	26,298	86	91%	89%	.08	85%	.19	86%	.16
respon	nded "Yes.",	)	Not sure	3	9	458	7	18	8	2,596	9							
			Total	35	100	6,544	100	219	100	30,432	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				Sta	atistical	Compariso	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&				Your seniors co	mpared v	vith	
				Tennessee	Tech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegi		Quality Ass		NSSE 2018	
Item wording	Variable name <sup>1</sup>		<sup>n</sup> Response options	<b>c</b> , ,	%	<u> </u>	%	<b>.</b>	%	<b>.</b> .				Effect size "		Effect size "		Effect size "
or description				Count	70	Count	70	Count	70	Count	%	Mean	Mean	5120	Mean	5120	Mean	SIZE
1. During the current s a. Asked questions or	askquest	n now o 1	•	e following:	4	211	2	5	2	980	2							
contributed to course	askquest	2	Sometimes	21	40	2,659	30	73	27	11,394	25							
discussions in other		2	Often	15	28	2,059	33	73 91	33	14,424	32	2.8	3.0	21	31*	31	3.1 *	25
ways		4	Very often	15	28	3,029	34	105	38	14,424	41	2.0	3.0	21	3.1 *	31	5.1 *	35
		4	Total	53	100	8,866	100	274	100	45,328	100							
b. Prepared two or more	drafts	1	Never	19	36	2,074	23	61	22	9,429	21							
drafts of a paper or	ulaits	2	Sometimes	20	38	3,426	39	83	30	16,346	36							
assignment before		3	Often	11	21	2,139	24	72	26	11,648	26	2.0	2.3 *	33	2.5 ***	49	2.4 ***	43
turning it in		4	Very often	3	6	1,218	14	59	20	7,867	17	2.0	2.5	55	2.5	49	2.4	45
		-	Total	53	100	8,857	100	275	100	45,290	100		•		•			
c. Come to class without	unpreparedr	1	Very often	0	0	686	8	213	8	2,636	6	<u>.</u>						
completing readings or		2	Often	11	21	1,641	18	21	8	6,379	14							
assignments	(Reverse-coded version of	- 3	Sometimes	28	54	4,894	55	138	51	23,872	53	3.0	2.8	.24	3.1	08	3.0	.03
	unprepared	4	Never	13	25	1,655	19	92	34	12,446	27	2.0	2.0	.24	5.1	00	5.0	.05
	created by NSSE.)		Total	52	100	8,876	100	272	100	45,333	100							
d. Attended an art exhibit	attendart	1	Never	27	51	3,968	45	119	43	21,849	48							
play, or other arts		2	Sometimes	21	40	3,342	38	97	35	16,170	36							
performance (dance,		3	Often	3	6	1,096	12	38	14	4,978	11	1.6	1.8	19	1.9	25	1.7	13
music, etc.)		4	Very often	2	4	476	5	20	7	2,365	5	210	110	,		.20		
			Total	53	100	8,882	100	274	100	45,362	100							
e. Asked another student	CLaskhelp	1	Never	4	8	878	10	31	11	7,736	17							
to help you understand		2	Sometimes	26	49	3,709	42	117	43	19,305	43							
course material		3	Often	14	26	2,940	33	77	28	12,551	28	2.5	2.5	01	2.5	.01	2.4	.18
		4	Very often	9	17	1,351	15	48	18	5,806	13							
			Total	53	100	8,878	100	273	100	45,398	100							
f. Explained course	CLexplain	1	Never	2	4	328	4	14	5	4,025	9							
material to one or more	-	2	Sometimes	17	32	2,909	33	95	35	16,252	36							
students		3	Often	20	38	3,750	42	93	34	16,374	36	2.9	2.8	.07	2.8	.06	2.7	.24
		4	Very often	14	26	1,896	21	72	26	8,751	19							
			Total	53	100	8,883	100	274	100	45,402	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Business	eniors <sup>a</sup> in					Flequel	ICY DI	stribution	S				Sta	listical	Comparis	ons		
								Quality		NSSE 2018	8&				Your seniors c			
				Tennessee	Гесh	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carnegie		Quality As		NSSE 2018	
Item wording or description	Variable name <sup>1</sup>	Values <sup>**</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
g. Prepared for exams by	CLstudy	1	Never	6	11	1,171	13	43	16	9,529	21	mean	mean	5120	mean	5120	Wicum	5120
discussing or working		2	Sometimes	20	38	2,984	34	88	32	15,120	33							
through course material		3	Often	13	25	2,879	32	79	29	12,863	28	2.7	2.6	.06	2.6	.07	2.4	.24
with other students		4	Very often	14	26	1,842	21	63	23	7,864	17							
			Total	53	100	8,876	100	273	100	45,376	100							
h. Worked with other	CLproject	1	Never	3	6	290	3	20	7	3,689	8							
students on course		2	Sometimes	11	21	1,831	21	61	22	10,650	23							
projects or assignments		3	Often	19	36	3,303	37	102	37	16,069	35	3.1	3.1	07	3.0	.10	2.9	.13
		4	Very often	20	38	3,458	39	91	33	15,001	33							
			Total	53	100	8,882	100	274	100	45,409	100							
i. Given a course	present	1	Never	6	11	593	7	33	12	5,184	11							
presentation	1	2	Sometimes	19	36	2,211	25	84	31	11,442	25							
		3	Often	18	34	3,026	34	79	29	14,183	31	2.6	3.0 **	39	2.7	13	2.8	24
		4	Very often	10	19	3,059	34	78	28	14,615	32							
			Total	53	100	8,889	100	274	100	45,424	100		•					
2. During the current sch	nool vear, abo	ut how c	often have you done th	e following?														
a. Combined ideas from	Rlintegrate	1	Never	3	6	223	3	15	5	1,586	3							
different courses when		2	Sometimes	19	36	2,238	25	82	30	12,273	27							
completing assignments		3	Often	18	34	3,846	43	101	37	18,894	42	2.8	3.0	26	2.9	11	2.9	20
		4	Very often	13	25	2,552	29	77	28	12,585	28		5.0	.20	2.9		2.9	.20
			Total	53	100	8,859	100	275	100	45,338	100							
b. Connected your	RIsocietal	1	Never	1	2	536	6	21	8	2,708	6							
learning to societal		2	Sometimes	30	57	2,987	34	98	36	14,656	32							
problems or issues		3	Often	17	32	3,421	39	93	34	17,502	39	2.5	2.8 *	32	2.7 *	25	2.8 *	35
		4	Very often	5	9	1,939	22	61	22	10,518	23				2.7	.20		100
			Total	53	100	8,883	100	273	100	45,384	100		•				•	
c. Included diverse	RIdiverse	1	Never	9	17	1,036	12	40	15	4,931	11							
perspectives (political,		2	Sometimes	30	57	3,414	39	109	40	17,137	38							
religious, racial/ethnic,		3	Often	10	19	2,850	32	84	31	14,776	33	2.2	2.6 ***	42	2.5 *	32	2.6 ***	∗46
gender, etc.) in course		4	Very often	4	8	1,559	18	40	15	8,490	19		<b>2</b> .0	.12		.52		0
discussions or assignments		-	Total	53	100	8,859	100	273	100	45,334	100		•		•		▼	



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Frequer	ncy Di	stribution	S				Sta	atistical	Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&				Your seniors co	ompared v	vith	
				Tennessee 1	Гech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carnegi	e Class	Quality As	surance	NSSE 2018	\$ & 2019
Item wording	Variable		_											Effect		Effect		Effect
d. Examined the strengths	name' RIownview	Values'	<sup>n</sup> Response options Never	Count 6	% 11	Count 368	% 4	Count 12	% 4	Count 1,762	<u>%</u> 4	Mean	Mean	size "	Mean	size <sup>n</sup>	Mean	size "
and weaknesses of	Klowiiview	2	Sometimes	19	36	2,751	31	84	31	13,798	30							
your own views on a		2	Often	21	40	3,994	45	84 125	46	20,235	30 45	2.5	<b>1</b> 0 *	22	20*	20	<b>28</b> *	25
topic or issue		4	Very often	7	13	1,755	43 20	51	40 19	20,233 9,543	43 21	2.3	2.8 *	32	2.8 *	30	2.8 *	35
		4	Total	53	100	8.868	100	272	19	45,338	100							
e. Tried to better	RIperspect	1	Never	5	9	201	2	8	3	1,068	2							
understand someone	Riperspect	2	Sometimes	19	36	2,174	25	8 69	25	1,068	25							
else's views by		2	Often	19 20	38	4,206	23 47	126	23 46	21,073	23 47	2.6	<b>2</b> 0 +++		20.4	10	<b>2</b> 0 shift	
imagining how an issue		4		20		,				,		2.0	3.0 **	45	2.9 *	40	3.0 **	44
looks from their		4	Very often	· · · · ·	17	2,282	26	70	26	11,872	26							
perspective			Total	53	100	8,863	100	273	100	45,309	100							
f. Learned something that	RInewview	1	Never	5	9	171	2	8	3	845	2							
changed the way you		2	Sometimes	19	36	2,386	27	68	25	12,365	27							
understand an issue or concept		3	Often	21	40	4,208	48	137	50	20,885	46	2.6	2.9 **	43	2.9 *	40	2.9 **	43
concept		4	Very often	8	15	2,085	24	61	22	11,159	25							
			Total	53	100	8,850	100	274	100	45,254	100		•				•	
g. Connected ideas from	RIconnect	1	Never	2	4	91	1	1	0	397	1							
your courses to your		2	Sometimes	13	25	1,468	17	49	18	7,262	16							
prior experiences and knowledge		3	Often	27	51	4,356	49	139	51	22,129	49	2.9	3.1 **	36	3.1 *	32	3.2 **	39
kilowiedge		4	Very often	11	21	2,925	33	82	30	15,453	34							
			Total	53	100	8,840	100	271	100	45,241	100		•		•		•	
3. During the current sc	hool year, abo	ut how	often have you done th	e following?														
a. Talked about career	SFcareer	1	Never	9	17	1,506	17	57	21	8,956	20							
plans with a faculty		2	Sometimes	26	49	3,678	42	99	36	17,958	40							
member		3	Often	11	21	2,192	25	67	25	10,671	24	2.3	2.4	11	2.4	10	2.4	08
		4	Very often	7	13	1,481	17	50	18	7,711	17							
			Total	53	100	8,857	100	273	100	45,296	100							
b. Worked with a faculty	SFotherwork	1	Never	21	40	3,543	40	116	43	20,497	45							
member on activities		2	Sometimes	20	38	2,908	33	75	28	13,383	30							
other than coursework (committees, student		3	Often	5	9	1,477	17	49	18	6,780	15	2.0	2.0	01	2.0	03	1.9	.06
(committees, student groups, etc.)		4	Very often	7	13	922	10	32	12	4,623	10							
5-04P0, etc.)			Total	53	100	8,850	100	272	100	45,283	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>ª</sup> in						Freque	ncy Di	stribution	IS				Sta	atistical	Compari	sons <sup>k</sup>		
Business								Quality		NSSE 2018	8&				Your seniors o	<u> </u>		
	Variable			Tennessee	Tech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg		Quality As		NSSE 2018	
Item wording or description	Variable name <sup>I</sup>	Values'	<sup>m</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
c. Discussed course	SFdiscuss	1	Never	15	28	2,448	28	77	28	14,265	32							
topics, ideas, or		2	Sometimes	25	47	3,773	43	105	38	17,943	40							
concepts with a faculty member outside of		3	Often	9	17	1,802	20	56	21	8,794	19	2.0	2.1	08	2.2	15	2.1	03
class		4	Very often	4	8	811	9	35	13	4,233	9							
			Total	53	100	8,834	100	273	100	45,235	100							
d. Discussed your	SFperform	1	Never	11	21	2,263	26	55	20	11,180	25							
academic performance		2	Sometimes	23	43	3,949	45	124	46	19,983	44							
with a faculty member		3	Often	12	23	1,871	21	64	24	9,639	21	2.3	2.1	.17	2.2	.05	2.2	.13
		4	Very often	7	13	761	9	28	10	4,422	10							
			Total	53	100	8,844	100	271	100	45,224	100							
4. During the current scl	hool vear, how	w much l	has vour coursework e	mphasized th	e follo	owing?												
a. Memorizing course	memorize	1	Very little	3	6	367	4	10	4	2,657	6							
material		2	Some	13	25	2,535	29	62	23	13,912	31							
		3	Quite a bit	26	49	3,879	44	139	51	19,282	43	2.8	2.9	02	2.9	10	2.8	.08
		4	Very much	11	21	2,066	23	63	23	9,407	21							
			Total	53	100	8,847	100	274	100	45,258	100							
b. Applying facts,	HOapply	1	Very little	2	4	242	3	9	3	1,125	2							
theories, or methods to		2	Some	10	19	1,899	21	60	22	9,351	21							
practical problems or		3	Quite a bit	30	57	4,322	49	119	44	22,130	49	2.9	3.0	07	3.0	09	3.0	10
new situations		4	Very much	11	21	2,392	27	83	31	12,645	28							
			Total	53	100	8,855	100	271	100	45,251	100							
c. Analyzing an idea,	HOanalyze	1	Very little	2	4	290	3	12	4	1,400	3							
experience, or line of		2	Some	17	32	2,172	25	59	22	10,293	23							
reasoning in depth by		3	Quite a bit	25	47	3,942	45	124	45	20,713	46	2.8	3.0	24	3.0	25	3.0 *	28
examining its parts		4	Very much	9	17	2,428	27	78	29	12,806	28							
			Total	53	100	8,832	100	273	100	45,212	100							
d. Evaluating a point of	HOevaluate	1	Very little	4	8	425	5	9	3	1,760	4							
view, decision, or		2	Some	14	26	2,318	26	68	25	10,800	24							
information source		3	Quite a bit	26	49	3,880	44	126	46	20,647	46	2.8	2.9	16	2.9	22	2.9	24
		4	Very much	9	17	2,208	25	68	25	12,001	27							
			Total	53	100	8,831	100	271	100	45,208	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Frequer	ncy Di	stribution	s				Sta	atistical	Comparis	sons <sup>k</sup>		
Business				T	T h			Quality	_	NSSE 2018 2019	8&	Tennessee Tech	Company		Your seniors c			
	Variable			Tennessee	lecn	Carnegie C	lass	Assurance	5	2019		Tennessee Tech	Carnegi	Effect	Quality As	Effect	NSSE 2018	Effect
Item wording or description	name <sup>1</sup>	Values'	" Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size <sup>n</sup>
e. Forming a new idea or	HOform	1	Very little	5	9	440	5	17	6	1,800	4							-
understanding from		2	Some	16	30	2,388	27	66	24	11,521	25							
various pieces of information		3	Quite a bit	22	42	3,938	45	122	45	20,710	46	2.7	2.9	20	2.9	21	2.9	27
mormation		4	Very much	10	19	2,075	23	68	25	11,202	25							
			Total	53	100	8,841	100	273	100	45,233	100							
5. During the current sc	hool year, to v	vhat exte	ent have your instruct	ors done the f	ollow	ing?												
a. Clearly explained	ETgoals	1	Very little	1	2	146	2	8	3	979	2							
course goals and		2	Some	11	21	1,568	18	43	16	7,969	18							
requirements		3	Quite a bit	26	49	4,153	47	116	43	20,257	45	3.0	3.1	12	3.2	16	3.1	12
		4	Very much	15	28	2,970	34	104	38	16,004	35							
			Total	53	100	8,837	100	271	100	45,209	100							
b. Taught course sessions	ETorganize	1	Very little	2	4	261	3	16	6	1,520	3							
in an organized way		2	Some	15	28	1,668	19	55	20	8,269	18							
		3	Quite a bit	25	47	4,140	47	117	43	20,330	45	2.8	3.1 *	27	3.0	17	3.1 *	29
		4	Very much	11	21	2,762	31	85	31	15,075	33							
			Total	53	100	8,831	100	273	100	45,194	100							
c. Used examples or	ETexample	1	Very little	2	4	266	3	15	6	1,603	4							
illustrations to explain		2	Some	13	25	1,725	20	51	19	9,081	20							
difficult points		3	Quite a bit	26	49	3,914	44	118	44	19,117	42	2.9	3.1	21	3.0	13	3.1	20
		4	Very much	12	23	2,926	33	86	32	15,370	34							
			Total	53	100	8,831	100	270	100	45,171	100							
d. Provided feedback on a	ETdraftfb	1	Very little	9	17	1,018	12	31	11	5,011	11							
draft or work in		2	Some	19	37	2,982	34	74	27	13,647	30							
progress		3	Quite a bit	18	35	3,047	34	98	36	15,657	35	2.4	2.6	25	2.8 *	37	2.7 *	33
		4	Very much	6	12	1,791	20	69	25	10,863	24							
			Total	52	100	8,838	100	272	100	45,178	100				*		*	
e. Provided prompt and	ETfeedback	1	Very little	4	8	823	9	26	10	3,517	8							
detailed feedback on		2	Some	21	40	2,861	32	76	28	13,242	29							
tests or completed		3	Quite a bit	21	40	3,444	39	99	36	17,462	39	2.6	2.7	11	2.8	22	2.8	23
assignments		4	Very much	7	13	1,702	19	71	26	10,947	24							
			Total	53	100	8,830	100	272	100	45,168	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Frequer	ncy Di	stribution	S				Sta	atistical	Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&				Your seniors co	ompared v	vith	
				Tennessee 7	Tech	Carnegie C	ass	Assuranc	е	2019		Tennessee Tech	Carnegi	e Class	Quality As	surance	NSSE 2018	8 & 2019
Item wording or description	Variable name <sup>1</sup>	Values'	<sup>n</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
6. During the current s					70	count	70	count	70	count	70	Mcan	mean	5120	Wicun	5120	Mcun	5120
a. Reached conclusions	QRconclude	1	Never	2	4	493	6	18	7	2,670	6							
based on your own	<b>C</b>	2	Sometimes	15	29	2,759	31	72	26	14,415	32							
analysis of numerical		3	Often	23	44	3,690	42	119	44	18,645	41	2.9	2.8	.09	2.8	.03	2.8	.11
information (numbers,		4	Very often	12	23	1,888	21	64	23	9,408	21		2.0	.0,	2.0	100	2.0	
graphs, statistics, etc.)		·	Total	52	100	8,830	100	273	100	45,138	100							
b. Used numerical	QRproblem	1	Never	5	10	1,064	12	43	16	5,465	12							
information to examine	< 1	2	Sometimes	19	37	3,062	35	91	34	15,872	35							
a real-world problem or		3	Often	19	37	3,082	35	82	30	15,563	35	2.6	2.6	.02	2.5	.08	2.6	.03
issue (unemployment,		4	Very often	9	17	1,618	18	53	20	8,194	18	2.0	2.0	.02	2.5	.08	2.0	.05
climate change, public health, etc.)		-	Total	52	100	8,827	100	269	100	45,094	100							
neatti, etc.)			10(a)	52	100	0,027	100	209	100	45,094	100							
c. Evaluated what others	QRevaluate	1	Never	5	10	931	11	39	14	5,369	12							
have concluded from		2	Sometimes	21	41	3,254	37	111	41	17,449	39							
numerical information		3	Often	18	35	3,240	37	82	30	15,596	35	2.5	2.6	05	2.5	.07	2.5	.01
		4	Very often	7	14	1,387	16	42	15	6,637	15							
			Total	51	100	8,812	100	274	100	45,051	100							
. During the current s	chool year, abou	t how	many papers, reports,	or other writ	ing ta	sks of the fo	llowing	g lengths ha	ve you	ı been assig	ned? (	Include those not	yet compl	leted.)				
a. Up to 5 pages	wrshortnum	0	None	6	11	522	6	29	11	2,229	5							
	(Recoded version	1.5	1-2	21	40	1,622	18	44	16	7,314	16							
	of wrshort created	4	3-5	16	30	2,639	30	73	27	13,101	29							
	by NSSE. Values	8	6-10	5	9	1,979	22	79	29	10,361	23	4.2	7.3 ***	50	6.8 **	44	8.0 ***	•57
	are estimated	13	11-15	3	6	949	11	19	7	5,106	11							
	number of papers, reports, etc.)	18	16-20	0	0	460	5	11	4	2,815	6		•		•		•	
	reports, etc.)	23	More than 20	2	4	652	7	18	7	4,185	9							
			Total	53	100	8,823	100	273	100	45,111	100							
b. Between 6 and 10	wrmednum	0	None	29	55	2,172	25	103	38	9,564	21							
pages	(Recoded version	1.5	1-2	17	32	3,083	35	80	29	15,314	34							
	of wrmed created	4	3-5	4	8	2,167	25	54	20	11,715	26							
	by NSSE. Values	8	6-10	2	4	896	10	23	8	5,369	12	1.5	3.2 **	42	2.7 *	29	3.6 ***	48
	are estimated	13	11-15	0	0	285	3	4	1	1,739	4							
	number of papers,	18	16-20	0	0	73	1	3	1	611	1		*				•	
	reports, etc.)	23	More than 20	1	2	111	1	5	2	691	2							
			Total	53	100	8,787	100	272	100	45,003	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				Sta	tistical	l Comparis	ons <sup>k</sup>		
Business				Tennessee 1	Tach	Carnegie C	lacc	Quality Assuranc	2	NSSE 2018 2019	8&	Tennessee Tech	Carnegi		Your seniors co Quality As		vith NSSE 2018 8	<u> </u>
Item wording	Variable			10111055001		Carnegie C	1035	Assuranc	c	2019			Carriegi	Effect		Effect	N33L 2018 0	Effect
or description	name <sup>1</sup>	Values <sup>*</sup>	<sup>m</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size <sup>n</sup>
c. 11 pages or more	wrlongnum	0	None	37	70	4,008	45	146	54	19,864	44							
	(Recoded version	1.5	1-2	14	26	3,226	37	84	31	16,398	36							
	of wrlong created	4	3-5	0	0	947	11	20	7	5,320	12							
	by NSSE. Values are estimated	8	6-10	1	2	325	4	11	4	1,805	4	1.0	1.9	25	1.8	22	2.0 *	28
	number of papers,	13	11-15	0	0	170	2	5	2	887	2							
	reports, etc.)	18	16-20	0	0	42	0	1	0	310	1							
		23	More than 20	1	2	97	1	5	2	485	1							
			Total	53	100	8,815	100	272	100	45,069	100							
Estimated number of assigned pages of student writing.	wrpages (Continuous variab from wrshort, wrm estimated pages of	ed, and	-									39.3	75.1 ** V	40	69.2 *	31	81.9 *** V	46
3. During the current	school vear, abou	t how (	often have you had dis	cussions with	peop	le from the f	ollowir	ng groups?										-
a. People of a race or	DDrace	1		6	11	355	4	13	5	2,513	6							
ethnicity other than		2	Sometimes	18	34	1,867	21	60	22	10,509	23							
your own		3	Often	13	25	2,856	32	88	32	14,163	31	2.7	3.1 **	45	3.1 *	39	3.1 *	34
		4	Very often	16	30	3,760	43	112	41	17,956	40							
			Total	53	100	8,838	100	273	100	45,141	100		•		•		•	
b. People from an	DDeconomic	1	Never	4	8		-					-						
					0	298	3	5	2	2,063	5							
economic background		2	Sometimes	14	26	298 1,911	3 22	5 62	2 23	2,063 10,418	5 23							
other than your own		2 3	Sometimes Often	14 19						,		2.9	3.1	26	3.1	29	3.0	18
0		-			26	1,911	22	62	23	10,418	23	2.9	3.1	26	3.1	29	3.0	18
0		3	Often	19	26 36	1,911 3,189	22 36	62 97	23 36	10,418 16,006	23 36	2.9	3.1	26	3.1	29	3.0	18
0	DDreligion	3	Often Very often	19 16	26 36 30	1,911 3,189 3,433	22 36 39	62 97 108	23 36 40	10,418 16,006 16,593	23 36 37	2.9	3.1	26	3.1	29	3.0	18
<ul><li>other than your own</li><li>c. People with religious beliefs other than your</li></ul>	e e	3 4	Often Very often Total	19 16 53	26 36 30 100	1,911 3,189 3,433 8,831	22 36 39 100	62 97 108 272	23 36 40 100	10,418 16,006 16,593 45,080	23 36 37 100	2.9	3.1	26	3.1	29	3.0	18
other than your own c. People with religious	e e	3 4 1	Often Very often Total Never	19 16 53 6	26 36 30 100 11	1,911 3,189 3,433 8,831 449	22 36 39 100 5	62 97 108 272 14	23 36 40 100 5	10,418 16,006 16,593 45,080 3,299	23 36 37 100 7	2.9	3.1	26	3.1	29	3.0	18
other than your own c. People with religious beliefs other than your	e e	3 4 1 2	Often Very often Total Never Sometimes	19 16 53 6 17	26 36 30 100 11 32	1,911 3,189 3,433 8,831 449 2,109	22 36 39 100 5 24	62 97 108 272 14 70	23 36 40 100 5 26	10,418 16,006 16,593 45,080 3,299 12,356	23 36 37 100 7 27							
<ul><li>other than your own</li><li>c. People with religious beliefs other than your</li></ul>	e e	3 4 1 2 3	Often Very often Total Never Sometimes Often	19 16 53 6 17 17	26 36 30 100 11 32 32	1,911 3,189 3,433 8,831 449 2,109 2,950	22 36 39 100 5 24 33	62 97 108 272 14 70 93	23 36 40 100 5 26 34	10,418 16,006 16,593 45,080 3,299 12,356 14,403	23 36 37 100 7 27 32							
<ul><li>other than your own</li><li>c. People with religious beliefs other than your</li></ul>	e e	3 4 1 2 3	Often Very often Total Never Sometimes Often Very often	19 16 53 6 17 17 13	26 36 30 100 11 32 32 25	1,911 3,189 3,433 8,831 449 2,109 2,950 3,327	22 36 39 100 5 24 33 38	62 97 108 272 14 70 93 96	23 36 40 100 5 26 34 35	10,418 16,006 16,593 45,080 3,299 12,356 14,403 15,034	23 36 37 100 7 27 32 33							
<ul> <li>other than your own</li> <li>c. People with religious beliefs other than your own</li> <li>d. People with political views other than your</li> </ul>		3 4 1 2 3 4	Often Very often Total Never Sometimes Often Very often Total	19 16 53 6 17 17 13 53	26 36 30 100 11 32 32 25 100	1,911 3,189 3,433 8,831 449 2,109 2,950 3,327 8,835	22 36 39 100 5 24 33 38 100	62 97 108 272 14 70 93 96 273	23 36 40 100 5 26 34 35 100	10,418 16,006 16,593 45,080 3,299 12,356 14,403 15,034 45,092	23 36 37 100 7 27 32 33 100							
<ul> <li>other than your own</li> <li>c. People with religious beliefs other than your own</li> <li>d. People with political</li> </ul>		3 4 1 2 3 4 1	Often Very often Total Never Sometimes Often Very often Total Never	19 16 53 6 17 17 13 53 5	26 36 30 100 11 32 32 25 100 9	1,911 3,189 3,433 8,831 449 2,109 2,950 3,327 8,835 477	22 36 39 100 5 24 33 38 100 5	62 97 108 272 14 70 93 96 273 14	23 36 40 100 5 26 34 35 100 5	10,418 16,006 16,593 45,080 3,299 12,356 14,403 15,034 45,092 2,844	23 36 37 100 7 27 32 33 100 6							
<ul> <li>other than your own</li> <li>c. People with religious beliefs other than your own</li> <li>d. People with political views other than your</li> </ul>		3 4 1 2 3 4 1 2	Often Very often Total Never Sometimes Often Very often Total Never Sometimes	19 16 53 6 17 17 13 53 5 17	26 36 30 100 11 32 32 25 100 9 32	1,911 3,189 3,433 8,831 449 2,109 2,950 3,327 8,835 477 2,274	22 36 39 100 5 24 33 38 100 5 26	62 97 108 272 14 70 93 96 273 14 73	23 36 40 100 5 26 34 35 100 5 27	10,418 16,006 16,593 45,080 3,299 12,356 14,403 15,034 45,092 2,844 11,908	23 36 37 100 7 27 32 33 100 6 26	2.7	3.0 ** ▼	37	3.0 *	32	2.9	23



Seniors <sup>a</sup> in						Frequer	ncy Di	stribution	s				Sta	atistical	Comparis	ons <sup>k</sup>		
Business								Quality		NSSE 2018	3&				Your seniors co	ompared v	vith	
				Tennessee T	ech	Carnegie C	ass	Assuranc	е	2019		Tennessee Tech	Carnegi	ie Class	Quality As	surance	NSSE 2018	& 2019
Item wording	Variable		n		- /		- /							Effect		Effect		Effect
or description	name'		<sup>a</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size "
9. During the current so	•	out how o	•	-	10	174	2	0	2	026	2							
<ul> <li>a. Identified key information from</li> </ul>	LSreading	2	Never	5	10	174	2 20	8	3	836	2							
reading assignments		2	Sometimes Often	16	31 31	1,754	20 48	48	18 48	8,566 20,989	19 47	2.8				25	2.1.4	
				16		4,202		130				2.8	3.1 *	37	3.1 *	36	3.1 *	41
		4	Very often	15	29	2,694	31	86	32	14,736	33							
b. Reviewed your notes	LSnotes	1	Total Never	52 5	100	8,824	100	272	100	45,127 3,630	100							
after class	LSHOLES	2	Sometimes	5 14	9 26	3,016	9 34	16 75	6 28	3,630 14,233	8 32							
		2	Often	20	38	2,956	34	73 99	28 36	14,233	32 34	2.8	2.7	.11	2.9	11	2.8	.03
		4	Very often	20 14	26	2,950	23	99 82	30	11,917	26	2.0	2.1	.11	2.9	11	2.8	.03
		4	Total	53	100	2,005 8,830	100	82 272	100	45,117	100							
c. Summarized what you	LSsummary	1	Never	5	9	701	8	17	6	3,206	7							
learned in class or from	Essuminary	2	Sometimes	19	36	2,949	33	83	31	14,003	31							
course materials		3	Often	22	42	3,322	38	100	37	17,215	38	2.6	2.7	15	2.8	28	2.8	22
		4	Very often	7	13	1,840	21	71	26	10,664	24	2.0	2.7	15	2.0	20	2.0	22
			Total	53	100	8,812	100	271	100	45,088	100							
10 D		1.4.							100	.0,000	100							
10. During the current s				s challenged y		do your bes 93		<b>:</b> 7	3	402								
	challenge	1	Not at all	1	2 0	93 170	1 2	4	1	493 731	1 2							
		2		0	6	531	2 6	4	5	2,174	2 5							
		3		7	13	1,141	13	46	17	2,174 5,161	11	5.4	5.3	.09	5.3	.03	5.5	06
		4		17	32	3,031	34	40 67	25	13,699	30	5.4	5.5	.09	5.5	.03	5.5	06
		5		17	25	2,277	26	66	23 24	11,521	26							
		7	Very much	13	23	1,556	18	69	24 25	11,321	20 25							
		,	Total	53	100	8,799	100	272	100	44,990	100							
11. Which of the follow	ing have you d	ono or d				0,799	100	2,2	100	+1,270	100							
	ing nave you d	one or a	Have not decided	e you gradua 10	19	657	7	39	14	5 012	12							
<ul> <li>Participate in an internship, co-op, field</li> </ul>					19 30	1,338	15			5,213 9,855	22							
experience, student	(Means indicate the percentage		Do not plan to do Plan to do	16 8	30 15	1,338	20	86 61	31 22	9,855 9,141	22	36%	57% **	12	220/	09	100	21
teaching, or clinical	who responded		Done or in progress	8 19	36	5,021	20 57	88	32	20,919	20 46	3070	5170	43	32%	.08	46%	21
placement	"Done or in		Total	53	30 100	5,021 8,824	100	88 274	32 100	20,919 45,128	40 100							
	progress.")					-,-21		=		,.20								



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in					Frequer	ncy Di	stribution	S				St	atistical	Compariso	ons <sup>k</sup>		
Business			Tennessee Te	ech	Carnegie Cl	ass	Quality Assuranc	e	NSSE 2018 2019	3 &	Tennessee Tech	Carneg	ie Class	Your seniors cor Quality Assi		NSSE 2018	8 & 2019
Item wording	Variable												Effect		Effect		Effect
or description b. Hold a formal	name <sup>1</sup> leader	Values <sup>m</sup> Response options Have not decided	Count 8	% 15	Count 691	% 8	Count 32	% 12	Count 4,950	<u>%</u> 11	Mean	Mean	size <sup>n</sup>	Mean	size "	Mean	size "
leadership role in a		Do not plan to do	16	30	3,300	37	138	51	19,529	43							
student organization or	(Means indicate the percentage	Plan to do	2	4	3,300 777	9	27	10	3,860	43 9	51%	46%	.10	28% ***	40	37% *	20
group	who responded	Done or in progress	27	51	4,054	9 46	27 76	28	16,763	37	31 /0	40%	.10	28%	.48	3/% *	.28
	"Done or in				,				,								
	progress.")	Total	53	100	8,822	100	273	100	45,102	100							
c. Participate in a learning	learncom	Have not decided	9	17	931	11	34	12	6,272	14							
community or some	(Means indicate	Do not plan to do	31	58	4,841	55	155	57	24,993	55							
other formal program where groups of	the percentage	Plan to do	2	4	897	10	32	12	4,487	10	21%	24%	08	19%	.04	21%	.00
students take two or	who responded	Done or in progress	11	21	2,137	24	53	19	9,292	21							
more classes together	"Done or in progress.")	Total	53	100	8,806	100	274	100	45,044	100							
d. Participate in a study	abroad	Have not decided	7	13	660	7	36	13	4,625	10							
abroad program	(Means indicate	Do not plan to do	33	62	5,011	57	181	66	28,732	64							
	the percentage	Plan to do	4	8	637	7	25	9	3,080	7	17%	28%	28	11%	.16	19%	06
	who responded	Done or in progress	9	17	2,514	28	31	11	8,646	19							
	"Done or in progress.")	Total	53	100	8,822	100	273	100	45,083	100							
e. Work with a faculty	research	Have not decided	8	15	1,103	13	42	15	6,732	15							
member on a research	(Means indicate	Do not plan to do	30	57	5,423	61	161	59	27,795	62							
project	the percentage	Plan to do	7	13	919	10	33	12	4,223	9	15%	16%	01	13%	.06	14%	.03
	who responded	Done or in progress	8	15	1.373	16	35	13	6,350	14	20 / 0	10/0	.01	10,0	.00	11/0	100
	"Done or in progress.")	Total	53	100	8,818	100	271	100	45,100	100							
f. Complete a culminating		Have not decided	7	13	645	7	27	10	4,325	10							
senior experience	(Means indicate	Do not plan to do	8	15	2,074	24	62	23	9,608	21							
(capstone course,	the percentage	Plan to do	8	15	1,863	21	69	25	10,423	23	57%	48%	.17	42%	.29	46%	.21
senior project or thesis,	who responded	Done or in progress	30	57	4,230	48	115	42	20,702	46	0170	4070	.17	-1270	.27	1070	.21
comprehensive exam, portfolio, etc.)	"Done or in	Total	53	100	8,812	100	273	100	45,058	100							
portiono, etc.)	progress.")	Total	55	100	0,012	100	215	100	45,050	100							
12. About how many of	vour courses at	this institution have include	ed a community	-base	d project (s	ervice-	learning)?										
	servcourse	1 None	32	62	3,848	44	135	50	19,261	43							
		2 Some	15	29	4,253	48	103	38	21,738	48							
		3 Most	5	10	570	6	25	9	3,245	7	1.5	1.7	27	1.7	24	1.7 *	29
		4 All	0	0	146	2	9	3	816	2							
		Total	52	100	8,817	100	272	100	45,060	100							



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				Sta	atistica	l Comparis	sons <sup>k</sup>		
Business				Tennessee	[ech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	8 &	Tennessee Tech	Carneg		Your seniors concerning Quality As	,	vith NSSE 2018	8 & 2019
Item wording or description	Variable name <sup>I</sup>	Values	<sup>m</sup> Response options	Count	%	Count	%	Count	<u>د</u> %	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size"
13. Indicate the quality							70	count	70	count	/0	Weun	weun	5120	Weun	5120	Meun	5120
a. Students	QIstudent	1		0	0		1	2	1	572	1							
		2		0	0	164	2	8	3	832	2							
		3		0	0	376	4	13	5	1,923	4							
		4		6	11	892	10	21	8	4,610	10							
		5		9	17	2,282	26	76	28	10,819	24	5.9	5.5 *	.27	5.6 *	.26	5.6 *	.24
		6		19	36	2,513	28	66	24	11,830	26							
		7	Excellent	16	30	2,432	28	81	30	13,439	30							
		_	Not applicable	3	6	67	1	6	2	1,157	3							
			Total	53	100	8,839	100	273	100	45,182	100							
b. Academic advisors	QIadvisor	1	Poor	1	2	452	5	9	3	2,009	4							
		2		1	2	491	6	8	3	2,134	5							
		3		3	6	780	9	16	6	3,387	8							
		4		10	19	1,208	14	37	14	5,535	12							
		5		7	13	1,733	20	46	17	8,077	18	5.6	5.1 *	.29	5.4	.07	5.3	.18
		6		8	15	1,694	19	58	21	8,784	19							
		7	Excellent	22	42	2,411	27	95	35	14,611	32							
		_	Not applicable	1	2	59	1	3	1	606	1							
			Total	53	100	8,828	100	272	100	45,143	100							
c. Faculty	QIfaculty	1	Poor	1	2	127	1	7	3	680	2							
		2		1	2	178	2	9	3	963	2							
		3		2	4	440	5	9	3	2,138	5							
		4		8	15	1,206	14	29	11	5,363	12							
		5		15	28	2,382	27	81	30	10,736	24	5.4	5.4	.00	5.4	01	5.5	09
		6		12	23	2,506	28	67	25	12,274	27							
		7	Excellent	13	25	1,918	22	70	26	12,450	28							
		_	Not applicable	1	2	56	1	1	0	513	1							
			Total	53	100	8,813	100	273	100	45,117	100							



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				St	atistical	Comparis	ons <sup>k</sup>		
Business				Tennessee	Tech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	3&	Tennessee Tech	Carneg		Your seniors co Quality As	,	vith NSSE 2018	8 & 2019
Item wording	Variable		· · ·					_						Effect		Effect		Effect
or description d. Student services staff	name <sup>1</sup> QIstaff	Values <sup>n</sup>	<sup>1</sup> Response options Poor	Count 0	%	Count 340	% 4	Count 16	% 6	Count 1,889	<u>%</u> 4	Mean	Mean	size "	Mean	size "	Mean	size "
(career services,	Qistan	2	1001	2	4	407	5	10	4	1,983	4							
student activities,		2		4	- 8	682	8	11	5	3,127	7							
housing, etc.)		4		11	21	1,338	15	34	12	5,690	13							
		5		8	15	,	21	54	12	8,127	13	5.2	4.9	.14	5.0	.12	5.0	.09
		6		8 4	8	1,892	19	32 47	19	7,755	17	J.4	4.9	.14	5.0	.12	5.0	.09
		7	Excellent	4	8 27	1,703	19	47 50	17		20							
		,		9	17	912	10	50	18	8,854 7,720	20 17							
		_	Not applicable Total	52	100	8,824	100	30 273	100	45,145	100							
e. Other administrative	OIadmin	1	Poor	32	2	,	5	273	8	2,019	4							
staff and offices	Qiadiliii	2	POOL	1	2	409	5 6	21 17	0 6	2,019	4 5							
(registrar, financial aid,		2		5	2		9	23	8	3,536	8							
etc.)		3		14	9 26		9 17	23 32	12		0 14							
		4		14	20	1,475 1,929	22	52 62	23	6,289 9,069	20	5.1	4.8	.16	4.0	.14	5.0	01
		5			11	,	22 19	62 50	25 18	9,089 8,875	20	3.1	4.8	.10	4.8	.14	5.0	.01
		7	Encellent	6	26				20									
		,	Excellent	14	26 2	,	16 8	56 13	20 5	10,345 2,827	23							
		_	Not applicable	-						<i>,</i>	6 100							
			Total	53	100	8,829	100	274	100	45,151	100							
14. How much does your		-	-															
a. Spending significant	empstudy	1		5	10		2	6	2	939	2							
amounts of time studying and on		2	Some	11	21	1,904	22	47	17	9,168	20	• •						
academic work		3	Quite a bit	28	54	4,314	49	133	49	21,808	48	2.8	3.0 *	36	3.1 **	46	3.0 **	39
		4	Very much	8	15	,	28	88	32	13,194	29							
			Total	52	100	8,822	100	274	100	45,109	100							
b. Providing support to	SEacademic	1	Very little	3	6		5	13	5	2,256	5							
help students succeed academically		2	Some	15	28	2,323	26	73	27	10,731	24	• •						
academically		3	Quite a bit	25	47	3,874	44	110	40	19,283	43	2.8	2.9	11	2.9	15	2.9	18
		4	Very much	10	19	,	25	78	28	12,775	28							
			Total	53	100	8,802	100	274	100	45,045	100							
c. Using learning support	SElearnsup	1	Very little	7	13		9	23	8	4,011	9							
services (tutoring services, writing		2	Some	15	28	2,417	27	62	23	11,123	25							
center, etc.)		3	Quite a bit	21	40	3,450	39	111	41	17,203	38	2.6	2.8	16	2.9	27	2.9	23
,,		4	Very much	10	19	2,147	24	78	28	12,699	28							
			Total	53	100	8,813	100	274	100	45,036	100							



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				Statistical Comparisons <sup>k</sup> Your seniors compared with					
Business				T	T. a. a. b.	Comosio C	1	Quality		NSSE 2018	8&	Tennessee Tech				,		0.0.2010
				Tennessee 1	lech	Carnegie C	lass	Assuranc	e	2019		Tennessee Tech	Carneg		Quality As		NSSE 201	
Item wording or description	Variable name <sup>1</sup>	Values	<sup>m</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
d. Encouraging contact	SEdiverse	1	Very little	6	11	1,244	14	46	17	6,648	15	Wean	Weun	3120	weam	3120	wean	3120
among students from		2	Some	21	40	2,743	31	75	28	13,603	30							
different backgrounds		3	Quite a bit	19	36	2,890	33	92	34	14,736	33	2.5	2.6	12	2.6	08	2.6	12
(social, racial/ethnic, religious, etc.)		4	Very much	7	13	1,922	22	57	21	10,007	22	210	2.0		2.0		2.0	
religious, etc.)			Total	53	100	8,799	100	270	100	44,994	100							
e. Providing opportunities	SEsocial	1	Very little	2	4	591	7	21	8	4,209	9							
to be involved socially		2	Some	17	32	2,220	25	76	28	11,897	26							
		3	Quite a bit	26	49	3,520	40	97	36	17,134	38	2.8	2.9	16	2.9	11	2.8	06
		4	Very much	8	15	2,471	28	79	29	11,760	26	210	2.9	.10	2.9		2.0	.00
			Total	53	100	8,802	100	273	100	45,000	100							
f. Providing support for	SEwellness	1	Very little	4	8	872	10	25	9	5,851	13							
your overall well-being		2	Some	20	38	2,381	27	85	31	12,606	28							
(recreation, health care,		3	Ouite a bit	23	43	3,354	38	84	31	16,006	36	2.6	2.8	21	2.8	22	2.7	11
counseling, etc.)		4	Very much	6	11	2,190	25	78	29	10,504	23		2.0	.21	2.0	.22	2.7	.11
			Total	53	100	8,797	100	272	100	44,967	100							
g. Helping you manage	SEnonacad	1	Very little	16	30	2,774	32	83	31	14,107	31							
your non-academic		2	Some	22	42	3,271	37	92	34	15,733	35							
responsibilities (work,		3	Ouite a bit	13	25	1,891	21	58	21	10,055	22	2.0	2.1	08	2.2	17	2.1	12
family, etc.)		4	Very much	2	4	866	10	38	14	5,097	11	2.0	2.1	.00	2.2	.17	2.1	.12
			Total	53	100	8,802	100	271	100	44,992	100							
h. Attending campus	SEactivities	1	Very little	8	15	994	11	32	12	8,273	18							
activities and events		2	Some	16	30	2,558	29	91	33	13,206	29							
(performing arts,		3	Quite a bit	23	43	3,234	37	80	29	14,872	33	2.5	2.7	21	2.7	18	2.5	02
athletic events, etc.)		4	Very much	6	11	2,005	23	69	25	8,584	19		2	.21	2.7	.10	210	.02
			Total	53	100	8,791	100	272	100	44,935	100							
i. Attending events that	SEevents	1	Very little	11	21	1,574	18	51	19	9,901	22							
address important		2	Some	22	42	3,410	39	99	36	16,172	36							
social, economic, or		3	Ouite a bit	17	32	2,636	30	75	28	12,809	28	2.2	2.4	18	2.4	22	2.3	11
political issues		4	Very much	3	6	1,187	13	47	17	6,083	14						2.0	
			Total	53	100	8,807	100	272	100	44,965	100							
				55	100	0,007	100	2.2	100	,, 55	100							



Seniors <sup>a</sup> in						Freque	ncy D	istribution	IS				Sta	atistica	l Comparis	ons <sup>k</sup>		
Business				Tennessee	- ech	Carnegie C	lass	Quality Assuranc		NSSE 2018 2019	8&	Tennessee Tech	Carneg		Your seniors co Quality As		vith NSSE 2018	8 & 2019
Item wording or description 15. About how many he	Variable name <sup>1</sup> ours do you spen	Values' d in a 1	1 1	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	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	1 17 19 4 5 3 3 1 53	2 32 36 8 9 6 6 2 100	31 1,450 2,325 1,936 1,501 793 369 396 8,801	0 16 26 22 17 9 4 4 100	0 41 70 47 62 20 16 16 16 272	0 15 26 17 23 7 6 6 100	178 6,979 11,729 9,702 7,760 4,341 2,189 2,168 45,046	0 15 26 22 17 10 5 5	10.0	13.3 **	41	14.1 ** ▼	49	13.6 ** ▼	44
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	23 8 7 8 4 1 0 2 53	43 15 13 15 8 2 0 4 100	2,486 2,831 1,566 928 495 279 84 137 8,806	28 32 18 11 6 3 1 2 100	131 64 28 18 13 9 2 9 274	48 23 10 7 5 3 1 3 100	18,543 11,664 6,033 3,724 2,377 1,306 548 818 45,013	41 26 13 8 5 3 1 2 100	6.5	6.3	.03	5.3	.15	5.5	.14
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	35 3 4 4 2 1 1 3 53	66 6 8 8 4 2 2 6 100	6,044 338 660 714 670 198 76 111 8,811	69 4 7 8 8 2 1 1 100	203 5 9 12 24 7 3 11 274	74 2 3 4 9 3 1 4 100	33,083 1,807 3,215 2,711 2,625 749 266 571 45,027	73 4 7 6 6 2 1 1 100	5.3	4.3	.13	4.7	.06	3.5	.25



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	s				Statistical Comparisons <sup>k</sup> Your seniors compared with					
Business				Tennessee	Tech	Carnegie C	lass	Quality Assurance	e	NSSE 2018 2019	3&	Tennessee Tech	Carnegie		Your seniors c Quality As	,	vith NSSE 2013	8 & 2019
Item wording	Variable								-					Effect		Effect		Effect
or description	name'	Values'	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>
d. Working for pay	tmworkoffhrs	0	0 hrs	17	32	4,022	46	78	29	16,793	37							
off campus	(Recoded version	3	1-5 hrs	3	6	427	5	12	4	1,776	4							
	of tmworkoff	8	6-10 hrs	3	6	551	6	11	4	2,425	5							
	created by NSSE.	13	11-15 hrs	2	4	612	7	21	8	2,716	6							
	Values are	18	16-20 hrs	4	8	831	9	29	11	3,821	8	16.2	11.1 *	.40	16.9	05	14.7	.11
	estimated number	23	21-25 hrs	5	9	660	7	21	8	3,176	7							
	of hours per	28	26-30 hrs	3	6	427	5	22	8	2,405	5							
	week.)	33	More than 30 hrs	16	30	1,274	14	78	29	11,951	27							
			Total	53	100	8,804	100	272	100	45,063	100							
Estimated number of	tmworkhrs																	
hours working for pay	(Continuous variable created by NSSE)											21.5	15.4 ***	.47	21.4	.00	18.2	.24
e. Doing community	tmservicehrs	0	0 hrs	32	60	4,420	50	126	46	22,761	51							
service or volunteer	(Recoded version	3	1-5 hrs	16	30	3,165	36	94	35	15,684	35							
work	of tmservice	8	6-10 hrs	3	6	600	7	23	8	3,382	8							
	created by NSSE.	13	11-15 hrs	0	0	288	3	11	4	1,475	3							
	Values are	18	16-20 hrs	0	0	171	2	10	4	819	2	2.4	2.9	09	3.8	22	3.0	10
	estimated number	23	21-25 hrs	1	2	80	1	2	1	393	1							
	of hours per	28	26-30 hrs	0	0	27	0	2	1	156	0							
	week.)	33	More than 30 hrs	1	2	46	1	4	1	348	1							
		00	Total	53	100	8,797	100	272	100	45,018	100							
f. Relaxing and	tmrelaxhrs	0		2	4	195	2	12	4	1,402	3							
socializing (time with		3	1-5 hrs	12	23	1,665	19	72	26	11,766	26							
friends, video games,	(Recoded version of tmrelax created	8	6-10 hrs	12	32	2,382	27	71	28	12,359	27							
TV or videos, keeping	by NSSE. Values	13	11-15 hrs	8	15	1,876	21	44	16	8,472	19							
up with friends online,	are estimated	18	16-20 hrs	5	9	1,311	15	34	12	5,394	12	11.8	12.5	09	11.0	.09	11.1	.08
etc.)	number of hours	23	21-25 hrs	3	6	600	7	15	5	2,368	5	1110	12.0			.02		
	per week.)	28	26-30 hrs	2	4	259	3	3	1	1,067	2							
		33	More than 30 hrs	4	8	523	6	17	6	2,216	5							
		55	Total	53	100	8,811	100	274	100	45,044	100							
			1 Utdl	55	100	0,011	100	274	100	45,044	100							



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	s				Statistical Comparisons <sup>k</sup> Your seniors compared with					
Business								Quality		NSSE 2018	3&					<u>.</u>		
				Tennessee	ech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carneg		Quality Ass		NSSE 2018	
Item wording	Variable		n –		- /		- /		_ /		- /			Effect		Effect		Effect
or description g. Providing care for	name <sup>1</sup> tmcarehrs	Values <sup>*</sup>	<sup>n</sup> Response options 0 hrs	Count 40	% 77	Count 6,609	% 75	Count 150	% 55	Count 28,224	% 63	Mean	Mean	size "	Mean	size "	Mean	size "
dependents (children,		3	1-5 hrs	40	10	734	8	30	11	4,532	10							
parents, etc.)	(Recoded version	8	6-10 hrs	1	2	734 342	4	30 9	3	4,332	5							
1 , ,	of tmcare created by NSSE. Values			1	2			<i>.</i>										
	are estimated	13	11-15 hrs	1		236	3	12	4	1,636	4	3.6			0.0 4444	12	~ ~ »	2.5
	number of hours	18	16-20 hrs	1	2	210	2	11	4	1,414	3	3.0	3.7	01	8.8 ***	42	6.6 *	26
	per week.)	23	21-25 hrs	0	0	132	1	5	2	717	2							
	-	28	26-30 hrs	0	0	52	1	3	1	504	1							
		33	More than 30 hrs	4	8	493	6	51	19	5,733	13							
			Total	52	100	8,808	100	271	100	44,987	100							
h. Commuting to campus	tmcommutehrs	0	0 hrs	10	19	1,345	15	48	18	13,213	29							
(driving, walking, etc.)	(Recoded version	3	1-5 hrs	36	68	4,963	56	126	46	21,023	47							
	of tmcommute	8	6-10 hrs	3	6	1,505	17	50	18	6,195	14							
	created by NSSE.	13	11-15 hrs	0	0	499	6	22	8	2,231	5							
	Values are	18	16-20 hrs	0	0	212	2	9	3	957	2	4.8	5.2	06	6.3	20	4.5	.06
	estimated number of hours per	23	21-25 hrs	1	2	115	1	7	3	453	1		0.2	.00	0.0	.20		100
	week.)	28	26-30 hrs	0	0	33	0	0	0	220	0							
	weekay		More than 30 hrs	3						770	2							
		33			6	143	2	10	4									
			Total	53	100	8,815	100	272	100	45,062	100							
16. Of the time you spe	end preparing for	class i	in a typical 7-day weel	<b>x, about how</b>	much i	s on <i>assigne</i>	ed read	ling?										
	reading	1	Very little	15	28	1,166	13	37	14	4,890	11							
		2	Some	25	47	2,609	30	79	29	12,389	27							
		3	About half	7	13	2,397	27	82	30	13,822	31	2.1	2.8 ***	61	2.8 ***	60	2.9 ***	*70
		4	Most	4	8	1,938	22	55	20	10,225	23							
		5	Almost all	2	4	694	8	19	7	3,728	8		•		•		•	
		5	Total	53	100	8,804	100	272	100	45,054	100							
			Total	55	100	0,004	100	212	100	45,054	100							
	tmreadinghrs																	
(Continuous vari	0	- Caler	lated as a proportion									4.0						
of tmprephrs bas	t half=.50; Most=.75	e Very li	ttle=.10; Some=.25;									4.0	6.5 **	42	7.0 **	48	6.9 ***	*48
		, 1111103											Ŧ		•		4	



Frequencies and Statistical Comparisons: Business Tennessee Technological University

Seniors <sup>a</sup> in						Frequer	ncy Di	stribution	s				St	atistica	l Compari	sons <sup>k</sup>		
Business								Quality		NSSE 2018	8&				Your seniors o		vith	
				Tennessee 1	Геch	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carneg	ie Class	Quality A	ssurance	NSSE 201	8 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name <sup>1</sup>	Values'		Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>	Mean	size <sup>n</sup>
	tmreadinghrscol	1	0 hrs	1	2	31	0	0	0	176	0							
	(Collapsed version of tmreadinghrs	2	More than zero, up to 5 hrs	41	77	4,560	52	138	51	21,953	49							
	created by NSSE.)	3	More than 5, up to 10 hrs	5	9	2,488	28	69	26	13,032	29							
		4	More than 10, up to 15 hrs	2	4	838	10	32	12	4,841	11							
		5	More than 15, up to 20 hrs	2	4	444	5	16	6	2,434	5							
		6	More than 20, up to 25 hrs	1	2	300	3	8	3	1,705	4							
		7	More than 25 hrs	1	2	107	1	7	3	737	2							
			Total	53	100	8,768	100	270	100	44,878	100							
17. How much has you	ur experience at th	nis inst	itution contributed to	vour knowled	lge, sk	tills, and per	sonal	levelopmen	t in th	e following	areas	?						
a. Writing clearly and	pgwrite	1	Very little	6	12	509	6	18	7	2,066	5							
effectively	10	2	Some	10	19	2,013	23	56	21	9,354	21							
		3	Quite a bit	24	46	3,651	42	123	45	18,381	41	2.8	3.0	17	2.9	15	3.0	27
		4	Very much	12	23	2,618	30	75	28	15,201	34							
			Total	52	100	8,791	100	272	100	45,002	100							
b. Speaking clearly and	pgspeak	1	Very little	4	8	497	6	25	9	2,760	6							
effectively		2	Some	10	19	1,895	22	52	19	9,459	21							
		3	Quite a bit	23	43	3,435	39	104	38	17,115	38	3.0	3.0	05	3.0	.01	3.0	06
		4	Very much	16	30	2,984	34	90	33	15,732	35							
			Total	53	100	8,811	100	271	100	45,066	100							
c. Thinking critically and	pgthink	1	Very little	2	4	213	2	12	4	1,019	2							
analytically		2	Some	10	19	1,285	15	37	14	6,148	14							
		3	Quite a bit	24	45	3,547	40	112	41	17,864	40	3.1	3.2	23	3.2	15	3.3	27
		4	Very much	17	32	3,771	43	110	41	20,046	44							
			Total	53	100	8,816	100	271	100	45,077	100							
d. Analyzing numerical	pganalyze	1	Very little	1	2	375	4	16	6	2,096	5							
and statistical		2	Some	10	19	1,797	20	50	18	9,285	21							
information		3	Quite a bit	21	40	3,305	38	98	36	17,192	38	3.2	3.1	.07	3.1	.07	3.1	.10
		4	Very much	20	38	3,334	38	107	39	16,509	37							
			Total	52	100	8,811	100	271	100	45,082	100							



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	s				Sta	atistical	Comparis	sons <sup>k</sup>		
Business								Quality		NSSE 2018	3&				Your seniors c	ompared v	vith	
				Tennessee T	ech	Carnegie C	lass	Assurance	е	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable		_											Effect		Effect		Effect
e. Acquiring job- or work-	name' pgwork	Values'	<sup>m</sup> Response options Very little	Count 4	% 8	Count 594	% 7	Count 25	% 9	Count 2,987	<u>%</u> 7	Mean	Mean	size "	Mean	size "	Mean	size <sup>n</sup>
related knowledge and	pgwork	2	Some	4	28	1,926	22	23 51	9 19	2,987 9,506	21							
skills		2	Quite a bit	13	32	3,088	35	99	36	9,500 16,453	37	2.9	3.0	12	2.0	11	2.0	14
		4	Very much	17	32	3,197	36	99 99	36	16,123	36	2.7	3.0	13	3.0	11	3.0	14
		+	Total	53	100	8,805	100	274	100	45,069	100							
f. Working effectively	pgothers	1	Very little	2	4	346	4	17	6	2,106	5							
with others	pgomers	2	Some	2	17	1,633	19	51	19	8,559	19							
		2	Ouite a bit	26	50	3,392	39	94	34	17,296	38	3.0	2.1	10	2.1	06	2.1	07
		4	Very much	15	29	3,392	39	94 111	54 41	17,290	38	5.0	3.1	10	3.1	06	3.1	07
		4	Total	13 52	100	5,438 8,809	39 100	273	41 100	45,084	38 100							
g. Developing or	pgvalues	1	Very little		100	936	100	31	11	43,084	9							
clarifying a personal	pgvalues	2	Some	17	33	2,282	26	51 71	26	10,633	9 24							
code of values and		2	Quite a bit	17	31	3,157	36	71	20 29	16,202	24 36	2.6	2.0	10	2.0	21	20 *	20
ethics		3 4	-	10	23	2,429	28	79 92	29 34	16,202	31	2.0	2.8	18	2.8	21	2.9 *	28
		4	Very much Total	12 52	100	2,429 8,804	28 100	92 273	54 100	45,066	100							
h. Understanding people	pgdiverse	1	Very little	9	100	723	8	273	9	43,000	9							
of other backgrounds	pguiverse	2	Some	9 17	32	2,395	27	20 78	28	4,022 12,094	27							
(economic,		2			32 30		36		28 31			2.5	20 *	22	2.0	20	78*	22
racial/ethnic, political,		4	Quite a bit Very much	16 11	21	3,143 2,543	29	86 84	31	15,581 13,349	35 30	2.3	2.9 *	33	2.8	29	2.8 *	32
religious, nationality,		4	Total	53	100	2,343 8,804	100	84 274	100	45,046	100							
etc.) i. Solving complex real-	pgprobsolve	1	Very little	33	6	737	8	274	8	3,676	8							
world problems	pgprobsorve	2	Some	18	34	2,451	8 28	23 74	27	12,117	8 27							
		2	Quite a bit	18	34	3,289	28 37	74 91	33	12,117	37	2.8	2.0	01	2.0	06	2.0	04
		4	Very much	18	26	2,337	27	84	33	12,612	28	2.0	2.8	01	2.9	06	2.8	04
		4	Total	14 53	100		100	84 272	100	45,083	28 100							
j. Being an informed and	naaitigan	1	Very little	53 9	100	8,814	100	33	100	5,038	100							
j. Being an informed and active citizen	pgcitizen	1	Some	9 18	34	2,700	31	33 84	31	5,038 13,032	29							
		2			34 30	2,700 2,953	31 34			,	29 34	2.5	2.7	21	2.7	10	2.7	25
		3	Quite a bit	16 10	30 19		34 24	86 68	32	15,186 11,804	34 26	2.3	2.7	21	2.7	19	2.7	25
		4	Very much Total	10 53	19	2,147	24 100	68 271	25 100	,	26 100							
			Total	53	100	8,808	100	271	100	45,060	100							



Seniors <sup>a</sup> in						Freque	ncy Di	stribution	S				Sta	atistical	Comparis	sons <sup>k</sup>		
Business															Your seniors c	ompared w	vith	
Dusiness								Quality		NSSE 2018	8 &							
				Tennessee	Tech	Carnegie C	lass	Assuranc	е	2019		Tennessee Tech	Carneg	ie Class	Quality As	surance	NSSE 2018	3 & 2019
Item wording	Variable													Effect		Effect		Effect
or description	name <sup>1</sup>	Values	<sup>n</sup> Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
18. How would you eva	aluate your enti	ire educa	tional experience at th	nis institution	1?													
	evalexp	1	Poor	1	2	204	2	7	3	1,013	2							
		2	Fair	4	8	982	11	34	13	4,926	11							
		3	Good	23	43	3,937	45	129	48	19,226	43	3.4	3.3	.13	3.2	.22	3.3	.09
		4	Excellent	25	47	3,705	42	101	37	20,010	44							
			Total	53	100	8,828	100	271	100	45,175	100							
19. If you could start o	ver again, woul	ld you go	o to the same institution	n you are no	w atte	ending?												
	sameinst	1	Definitely no	2	4	331	4	11	4	1,967	4							
		2	Probably no	3	6	1,075	12	44	16	5,540	12							
		3	Probably yes	20	38	3,406	38	106	39	17,102	38	3.4	3.3	.17	3.2	.27	3.2	.18
		4	Definitely yes	28	53	4,049	46	114	41	20,693	46							
			Total	53	100	8,861	100	275	100	45,302	100							



Respondent Profile: Business Tennessee Technological University

Βι	siness					First-Y	'ear S	Students <sup>®</sup>	3						Senic	ors <sup>a</sup>			
								Quality		NSSE 2018	8&					Quality		NSSE 201	8&
				Tennessee 1	Геch	Carnegie C	lass	Assurance	е	2019		Tennessee T	ech	Carnegie Cl	ass	Assurance	е	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
21a.	How many majors do	MAJnum	One	20	57	4,424	68	168	77	22,191	73	42	79	6,277	71	206	75	34,811	77
	you plan to complete?		More than one	15	43	2,125	32	51	23	8,271	27	11	21	2,598	29	67	25	10,497	23
	(Do not count minors.)		Total	35	100	6,549	100	219	100	30,462	100	53	100	8,875	100	273	100	45,308	100
	First major or expected	MAJfirstcol	Arts & Humanities	0	0	91	1	3	1	418	1	0	0	76	1	2	1	347	1
	first major, in NSSE's	(Recoded from	Biological Sci., Agriculture,	0	0	53	1	1	0	185	1	0	0	41	0	1	0	120	0
	default related-major	MAJfirst.)	& Natural Resources	0	0	55	1	1	0	165	1	0	0	41	0	1	0	120	0
	categories.		Physical Sci., Mathematics,	0	0	84	1	1	0	278	1	0	0	92	1	1	0	318	1
	(This does not reflect		& Computer Science Social Sciences	3	9	964	15	12	5	3,126	10	4	8	1,203	13	21	8	3,802	8
	any customization		Business	28	80	5,135	78	190	86	25,547	83	49	92	7,169	80	242	88	39.416	87
	made for the Major		Communications, Media,			<i>,</i>		170						,		212		, -	
	Field Report.)		& Public Relations	0	0	70	1	1	0	200	1	0	0	57	1	1	0	147	0
			Education	1	3	4	0	1	0	69	0	0	0	6	0	0	0	83	0
			Engineering	0	0	53	1	2	1	132	0	0	0	67	1	1	0	142	0
			Health Professions	1	3	36	1	3	1	192	1	0	0	46	1	3	1	249	1
			Social Service Professions	1	3	60	1	1	0	254	1	0	0	104	1	2	1	576	1
			All Other	1	3	31	0	4	2	230	1	0	0	50	1	1	0	327	1
			Undecided, Undeclared	0	0	5	0	1	0	35	0	0	0	1	0	0	0	14	0
			Total	35	100	6,586	100	220	100	30,666	100	53	100	8,912	100	275	100	45,541	100
	Second major or	MAJsecondcol	Arts & Humanities	0	0	173	8	4	8	727	9	1	9	215	8	7	10	794	8
	expected second major, in NSSE's default	(Recoded from MAJsecond.)	Biological Sci., Agriculture, & Natural Resources	0	0	22	1	0	0	108	1	0	0	26	1	0	0	108	1
	related-major categories.	Wir Bisecond.)	Physical Sci., Mathematics, & Computer Science	0	0	89	4	1	2	260	3	1	9	71	3	0	0	242	2
	(This does not reflect		Social Sciences	1	7	457	22	7	14	1,491	18	0	0	503	19	4	6	1,560	15
	any customization		Business	12	80	1,129	53	36	71	4,449	54	8	73	1,533	59	51	76	6,198	59
	made for the Major		Communications, Media,	0	0	62	3	0	0	223	3	0	0	43	2	1	1	201	2
	Field Report.)		& Public Relations Education	0	0	7	0	0	0	54	1	0	0	4	0	1	1	93	1
			Engineering	0	0	9	0	1	2	37	0	0	0	11	0	0	0	67	1
			Health Professions	0	0	24	1	1	2	115	1	0	0	14	1	1	1	175	2
			Social Service Professions	0	0	52	2	1	2	226	3	0	0	53	2	0	0	312	- 3
			All Other	2	13	49	2	0	0	274	3	1	9	81	3	2	3	463	4
			Undecided, Undeclared	0	0	43	2	0	0	265	3	0	0	35	1	- 0	0	224	2
			Total	15	100	2,116	100	51	100	8,229	100	11	100	2,589	100	67	100	10,437	100
22.	What is your class	class	Freshman/First-year	25	74	5,871	90	186	85	26,034	86	0	0	16	0	0	0	120	0
	level?		Sophomore	9	26	545	8	26	12	3,334	11	0	0	54	1	4	1	271	1
			Junior	0	0	59	1	3	1	491	2	0	0	686	8	7	3	2,888	6
			Senior	0	0	8	0	1	0	142	0	47	92	7,913	90	253	93	40,794	91
			Unclassified	0	0	9	0	2	1	201	1	4	8	120	1	8	3	880	2
			Total	34	100	6,492	100	218	100	30,202	100	51	100	8,789	100	272	100	44,953	100



Respondent Profile: Business Tennessee Technological University

<b>B</b> ı	isiness							Students		0.0		inversit.			Senio	arc <sup>a</sup>			
	15111055					11150-1	car .	Quality		NSSE 2018	R .				Senic	Quality		NSSE 201	8 <i>8</i> ,
				Tennessee <sup>-</sup>	Tech	Carnegie C	lass	Assuranc		2019	, a	Tennessee 7	ech	Carnegie Cl	ass	Assurance	ρ	2019	50
	Item wording	Variable		Termessee		curregie e	1455	7.55010110	C	2013		Termessee	cen	curregie ei	455	7.55010110	C	2015	
	or description	name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
23.	Thinking about this current academic term,	fulltime	No	0	0		2	9	4	1,219	4	9	18	1,498	17	54	20	8,652	19
	are you a full-time		Yes	35	100	6,363	98	209	96	28,857	96	40	82	7,246	83	215	80	36,108	81
	student?		Total	35	100	6,470	100	218	100	30,076	100	49	100	8,744	100	269	100	44,760	100
24a.	How many courses are	coursenum	0	0	0	18	0	1	0	108	0	1	2	193	2	4	1	1,110	2
	you taking for credit		1	0	0	23	0	4	2	380	1	1	2	227	3	10	4	2,089	5
	this current academic		2	0	0	45	1	0	0	728	2	3	6	594	7	21	8	4,578	10
	term?		3	0	0	113	2	9	4	971	3	4	8	908	10	21	8	5,154	11
			4	7	21	1,354	21	41	19	6,751	22	18	34	2,790	32	84	31	12,727	28
			5	19	56	3,222	50	112	51	13,283	44	14	26	2,563	29	81	30	11,174	25
			6	6	18	1,254	19	38	17	5,401	18	9	17	995	11	31	11	5,199	12
			7 or more	2	6	476	7	14	6	2,630	9	3	6	526	6	21	8	3,010	7
			Total	34	100	6,505	100	219	100	30,252	100	53	100	8,796	100	273	100	45,041	100
t	Of these, how many are	onlinenum	0	25	74	4,812	74	125	58	22,181	74	24	45	5,602	64	112	41	23,692	53
	entirely online?		1	4	12	1,215	19	56	26	4,351	14	19	36	1,817	21	80	29	9,064	20
			2	3	9	292	5	16	7	1,693	6	7	13	725	8	37	14	5,590	12
			3	1	3	83	1	10	5	565	2	1	2	325	4	20	7	2,601	6
			4	0	0	36	1	8	4	683	2	0	0	184	2	11	4	2,018	4
			5	1	3	22	0	0	0	186	1	1	2	43	0	7	3	628	1
			6	0	0	5	0	1	0	120	0	1	2	39	0	2	1	533	1
			7 or more	0	0	9	0	1	0	339	1	0	0	34	0	3	1	736	2
			Total	34	100	6,474	100	217	100	30,118	100	53	100	8,769	100	272	100	44,862	100
	Collapsed recode of	onlinecrscol	No courses taken online	25	74	4,812	74	125	58	22,181	74	24	45	5,602	64	112	41	23,692	53
	courses taken online		Some courses taken online	8	24	1,558	24	78	36	5,734	19	24	45	2,583	29	125	46	12,574	28
	(Based on responses to		All courses taken online	1	3	104	2	14	6	2,203	7	5	9	584	7	35	13	8,596	19
	coursenum and onlinenum.)		Total	34	100	6,474	100	217	100	30,118	100	53	100	8,769	100	272	100	44,862	100
25.	What have most of your	grades	C- or lower	0	0	52	1	4	2	406	1	0	0	20	0	0	0	145	0
	grades been up to now		С	0	0	86	1	4	2	579	2	0	0	102	1	5	2	699	2
	at this institution?		C+	1	3	163	3	10	5	1,087	4	3	6	232	3	17	6	1,561	3
			B-	3	9	279	4	14	6	1,670	6	4	8	424	5	24	9	2,485	6
			В	5	14	970	15	44	20	4,802	16	8	15	1,583	18	53	20	7,820	17
			B+	4	11	1,154	18	32	15	5,641	19	10	19	1,859	21	44	16	8,699	19
			A-	8	23	1,610	25	40	18	6,820	23	9	17	1,994	23	50	18	9,582	21
			А	14	40	2,170	33	71	32	9,185	30	19	36	2,563	29	78	29	13,958	31
_			Total	35	100	6,484	100	219	100	30,190	100	53	100	8,777	100	271	100	44,949	100
26.	Did you begin college	begincol	Started here	33	94	6,135	95	194	89	27,044	90	29	55	5,538	63	159	58	23,850	53
	at this institution or		Started elsewhere	2	6	340	5	25	11	3,089	10	24	45	3,213	37	114	42	21,009	47
	elsewhere?		Total	35	100	6,475	100	219	100	30,133	100	53	100	8,751	100	273	100	44,859	100



Respondent Profile: Business Tennessee Technological University

Βι	ısiness					First-Y	ear S	Students	а					:	Senic	ors <sup>a</sup>			
								Quality		NSSE 2018	8&					Quality		NSSE 2018	3&
				Tennessee	Tech	Carnegie Cl	ass	Assuranc	e	2019		Tennessee T	ech	Carnegie Cl	ass	Assurance	ġ	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
27.	Since graduating from	attend_voc	Vocational or technical school	1	3	78	1	9	4	1,125	4	2	4	339	4	24	9	3,519	8
	high school, which of	attend_com	Community or junior college	5	15	478	7	21	10	2,992	10	21	40	3,098	36	91	33	18,461	41
	the following types of schools have you	attend_col	4-year college or university other than this one	1	3	580	9	26	12	3,311	11	13	25	2,088	24	98	36	12,513	28
	attended other than the	attend_none	None	27	79	5,217	81	159	73	22,560	75	22	42	4,134	47	97	36	17,469	39
	one you are now attending? (Select all that apply.)	attend_other	Other	1	3	183	3	6	3	1,109	4	1	2	261	3	12	4	1,829	4
28.	What is the highest	edaspire	Some college but less than a	1	3	376	6	22	10	2,578	9	1	2	455	5	24	9	3,404	8
	level of education you ever expect to		bachelor's degree Bachelor's degree (B.A., B.S., etc.)	13	38	2,197	34	89	41	11,534	38	21	40	3,124	36	104	38	17,198	38
	complete?		Master's degree (M.A., M.S., etc.)	13	38	3.083	48	86	39	12,880	43	26	49	4,139	47	111	41	19,987	45
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	7	21	801	12	22	10	3,053	10	5	9	1,033	12	33	12	4,273	10
			Total	34	100	6,457	100	219	100	30,045	100	53	100	8,751	100	272	100	44,862	100
29.	What is the highest	parented	Did not finish high school	4	12	257	4	9	4	1,539	5	3	6	427	5	16	6	2,877	6
	level of education		High school diploma or G.E.D.	8	24	745	12	54	25	5,066	17	7	13	1,172	13	72	27	9,054	20
	completed by either of your parents (or those		Attended college, but did not complete degree	5	15	446	7	20	9	2,884	10	5	9	659	8	37	14	4,517	10
	who raised you)?		Associate's degree (A.A., A.S., etc.)	1	3	324	5	27	12	2,268	8	3	6	608	7	25	9	4,303	10
			Bachelor's degree (B.A., B.S., etc.)	6	18	2,164	34	55	25	9,269	31	16	30	2,950	34	87	32	13,206	30
			Master's degree (M.A., M.S., etc.)	7	21	1,797	28	44	20	6,694	22	16	30	2,017	23	26	10	7,946	18
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	3	9	708	11	9	4	2,265	8	3	6	901	10	7	3	2,846	6
			Total	34	100	6,441	100	218	100	29,985	100	53	100	8,734	100	270	100	44,749	100
	First-generation status	firstgen	Not first-generation	16	47	4,669	72	108	50	18,228	61	35	66	5,868	67	120	44	23,998	54
	(Neither parent holds a bachelor's degree.)	(Recoded from	First-generation	18	53	1,772	28	110	50	11,757	39	18	34	2,866	33	150	56	20,751	46
	0,	parented.)	Total	34	100	6,441	100	218	100	29,985	100	53	100	8,734	100	270	100	44,749	100
30.	What is your gender identity?	genderid	Man	11	31	2,744	42	89	41	12,759	42	22	42	3,780	43	104	38	18,668	42
	identity:		Woman	23	66	3,627	56	125	57	16,863	56	30	57	4,821	55	160	59	25,441	57
			Another gender identity	1	3	36	1	0	0	176	1	1	2	50	1	2	1	247	1
			I prefer not to respond	0	0	51	1	4	2	252	1	0	0	96	1	6	2	464	1
21	Enter your year of birth	agaaat	Total	35	100	6,458	100	218	100	30,050	100	53	100	8,747	100	272	100	44,820	100
31.	(e.g., 1994):	agecat	19 or younger 20-23	31 4	89 11	6,042 327	94 5	191	88 7	25,299	85 7	0 41	0 79	53 6,662	1 77	0	0 60	217	0
	x 6)	(Recoded	20-23 24-29	4	11 0	327 19	5	15 5	2	2,223 634	2	41 6	79 12	6,662 1,049	12	161 35	60 13	27,069 6,307	61 14
		from the information	24-29 30-39	0	0	19 16	0	5	2	634 855	2	2	4	556	6	35 47	15	6,307 5,407	14
		entered in	40-55	0	0	16	0	5 2	2	855 753	3 3	2	4	322	6 4	47 24	9	5,407 4,767	12
		birthyear.)	40-55 Over 55	0	0	14 6	0	2	1	100	3 0	3	0	322 41	4	24	9	4,767	11
			Total	35	100	6 6,424	100	218	100	29,864	100	0 52	100	41 8,683	100	2 269	100	597 44,364	100
			10(a)		100	0,424	100	218	100	29,004	100	52	100	0,003	100	209	100	44,304	100



Respondent Profile: Business

Tennessee 1	Гechno	logical	Uni	iversity
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Business				First-Y	'ear S	Students	а		Seniors <sup>a</sup>										
								Quality		NSSE 2018	8&					Quality		NSSE 201	8 &
				Tennessee	Tech	Carnegie C	ass	Assuranc	e	2019		Tennessee T	ech	Carnegie C	ass	Assuranc	e	2019	
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
32a.	Are you an	internat	No	32	91	5,799	90	203	93	27,723	93	50	94	7,974	91	256	94	41,923	
Internati [If answ Country collapse by NSSI <i>country</i> file. 33. How wo describe	international student?		Yes	3	9	642	10	16	7	2,241	7	3	6	754	9	16	6	2,749	6
			Total	35	100	6,441	100	219	100	29,964	100	53	100	8,728	100	272	100	44,672	100
	[If answered "yes"]	countrycol	Africa Sub-Saharan	0	0	10	2	3	23	123	6	0	0	34	5	0	0	167	7
	Country of citizenship,		Asia	1	100	403	72	4	31	1,018	52	1	50	420	65	9	56	1,172	49
	collapsed into regions	(Recoded from	Canada	0	0	13	2	0	0	62	3	0	0	17	3	1	6	90	4
	by NSSE. Responses to <i>country</i> are in the data	country.)	Europe	0	0	54	10	5	38	349	18	1	50	74	11	2	13	349	15
	2		Latin America and Caribbean	0	0	54	10	1	8	322	16	0	0	67	10	0	0	386	16
			Middle East and North Africa	0	0	21	4	0	0	73	4	0	0	28	4	4	25	185	8
			Oceania	0	0	2	0	0	0	13	1	0	0	5	1	0	0	33	1
			Unknown region/uncoded	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			Total	1	100	557	100	13	100	1,961	100	2	100	645	100	16	100	2,382	100
33.	How would you	re_amind	American Indian or Alaska Native	1	3	119	2	4	2	636	2	0	0	155	2	4	1	795	2
	describe yourself?	re_asian	Asian	3	9	1,265	20	11	5	3,410	11	2	4	1,381	16	20	7	4,279	10
	(Select all that apply.)	re_black	Black or African American	2	6	416	6	64	30	3,336	11	2	4	552	6	47	17	4,399	10
		re_latino	Hispanic or Latina/o	2	6	722	11	9	4	4,020	13	3	6	1,151	13	7	3	5,835	13
		re_mena	Middle Eastern or N. African (2019)	0	0	60	2	0	0	266	2	0	0	77	1	2	1	316	1
		re_pacific	Native Hawaiian/Other Pac. Islander	0	0	60	1	2	1	351	1	0	0	53	1	2	1	396	1
		re_white	White	30	86	4,227	66	131	61	19,801	66	46	87	5,718	66	183	68	29,876	67
		re_another	Another race or ethnicity (2019)	1	3	31	1	0	0	209	1	0	0	49	1	4	2	350	1
		re_other	Other (2018)	0	0	83	3	1	2	292	2	0	0	62	2	2	3	407	2
		re_pnr	I prefer not to respond	1	3	134	2	6	3	762	3	0	0	233	3	13	5	1,412	3
	Racial or ethnic	re_all19	American Indian or Alaska Native	1	3	35	1	2	1	174	1	0	0	35	0	2	1	244	1
	identification	(Items re_amind	Asian	1	3	1,081	17	9	4	2,724	9	2	4	1,213	14	17	6	3,562	8
		to re_pnr	Black or African American	1	3	320	5	58	27	2,647	9	2	4	445	5	47	17	3,670	8
		recoded where	Hispanic or Latina/o	1	3	407	6	6	3	2,708	9	3	6	817	9	3	1	4,382	10
		each student is	Middle Eastern or N. African (2019)	0	0	29	0	0	0	129	0	0	0	44	1	0	0	197	0
		represented only once)	Native Hawaiian/Other Pac. Islander	0	0	21	0	1	0	124	0	0	0	16	0	1	0	146	0
		once)	White	25	71	3,686	58	121	56	17,541	59	46	87	5,129	59	172	63	27,397	62
			Another race or ethnicity (2019)	0	0	15	0	0	0	112	0	0	0	27	0	2	1	198	0
			Other (2018)	0	0	54	1	1	0	183	1	0	0	45	1	2	1	275	1
			Multiracial	5	14	627	10	12	6	2,748	9	0	0	669	8	12	4	3,036	7
			I prefer not to respond	1	3	134	2	6	3	762	3	0	0	233	3	13	5	1,412	3
			Total	35	100	6,409	100	216	100	29,852	100	53	100	8,673	100	271	100	44,519	100
34.	Are you a member of a	greek	No	31	89	4,932	77	195	89	25,916	86	45	85	6,665	76	231	86	38,044	85
34. Are you a memi	social fraternity or		Yes	4	11	1,513	23	23	11	4,078	14	8	15	2,070	24	39	14	6,708	15
	sorority?		Total	35	100	6,445	100	218	100	29,994	100	53	100	8,735	100	270	100	44,752	100



Respondent Profile: Business Tennessee Technological University

Bu	siness					First-Y	'ear S	Students	а						Senic	ors <sup>a</sup>			
								Quality		NSSE 2018	8					Quality		NSSE 2018	3&
				Tennessee 1	Геch	Carnegie Cl	ass	Assuranc	e	2019		Tennessee T	ech	Carnegie Cl	lass	Assurance	e	2019	
	Item wording	Variable						_											
35.	or description Which of the following	name living18	Response options Campus housing (other than a	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
35.	best describes where	living18	fraternity or sorority house)	12	34	4,877	76	116	53	19,805	66	3	6	853	10	25	9	6,424	14
	you are living while		Fraternity or sorority house	0	0	162	3	4	2	336	1	0	0	351	4	5	2	844	2
	attending college?		House, apartment, or other residence	-	•							10					10		
	0 0		within walking distance to campus	7	20	400	6	23	11	1,761	6	18	34	3,262	37	52	19	10,021	22
			House, apartment, or other residence	16	46	923	14	69	32	6,306	21	30	57	3,943	45	176	65	21,416	48
			farther than walk. dist. to campus	10	10	725	14	07	52	0,500	21	50	57	5,545	-15	170	05	21,410	40
			Not applicable: No campus, entirely	0	0	47	1	3	1	1,517	5	2	4	284	3	13	5	5,725	13
			online program, etc. Not applicable: Homeless or																
			in transition	0	0	16	0	2	1	106	0	0	0	19	0	1	0	149	0
			Total	35	100	6,425	100	217	100	29,831	100	53	100	8,712	100	272	100	44,579	100
36.	Are you a student-	athlete	No	32	91	6,144	95	198	91	26,315	88	49	94	8,498	97	260	96	41,485	93
	athlete on a team		Yes	3	9	291	5	20	9	3,605	12	3	6	233	3	10	4	3,176	7
	sponsored by your		Total	35	100	6,435	100	218	100	29,920	100	52	100	8,731	100	270	100	44,661	100
	institution's athletics																		
	department?																		
37.	Are you a current or	veteran	No	35	100	6,344	99	212	98	29,322	98	53	100	8,388	96	260	96	41,425	93
	former member of the U.S. Armed Forces,		Yes	0	0	81	1	5	2	552	2	0	0	321	4	12	4	3,198	7
	Reserves, or National		Total	35	100	6,425	100	217	100	29,874	100	53	100	8,709	100	272	100	44,623	100
	Guard?																		
38a.	Have you been	disability	No	30	86	5,686	88	198	91	26,025	87	49	92	7,653	88	232	85	38,825	87
	diagnosed with any		Yes	3	9	577	9	9	4	2,953	10	4	8	833	10	26	10	4,519	10
	disability or		I prefer not to respond	2	6	178	3	11	5	982	3	0	0	238	3	15	5	1,390	3
	impairment?		Total	35	100	6,441	100	218	100	29,960	100	53	100	8,724	100	273	100	44,734	100
b	. [If answered "yes"]	dis sense	A sensory impairment (vision	1	33	83	15	1	11	405	14	1	25	71	9	2	8	558	12
	Which of the following		or hearing)	1	22	22	4	1	11	172	6	0	0	57	7	1	4	470	11
	has been diagnosed? (Select all that apply.)	dis_mobility	A mobility impairment A learning disability (e.g., ADHD,	1	33	22	4	1	11	173	6	0	0	57	7	1	4	472	11
	(Select all that apply.)	dis_learning	dyslexia)	0	0	273	48	3	33	1,378	47	1	25	399	48	9	36	1,874	42
		dis_mental	A mental health disorder	2	67	220	39	3	33	1,105	38	1	25	347	42	10	40	1,704	38
		dis_other	A disability or impairment not	0	0	91	16	2	22	499	17	2	50	155	19	10	40	1,090	24
		_	listed above	0			10					2				10		,	
	Disability or	disability_all	A sensory impairment	1	3	60	1	0	0	274	1	1	2	38	0	1	0	306	1
	impairment	(Items dis_sense	A mobility impairment	0	0	11	0	0	0	100	0	0	0	24	0	0	0	212	0
		to dis_other	A learning disability	0	0	186	3	3	1	964	3	1	2	279	3	5	2	1,273	3
		recoded where	A mental health disorder	1	3	137	2	3	1	685	2	0	0	218	3	6	2	999	2
		each student is	A disability or impairment not listed	0	0	64	1	2	1	350	1	1	2	97	1	9	3	711	2
			More than one disability or	1	3	109	2	1	0	548	2	1	2	170	2	4	1	979	2
		once.)	impairment	20	0.0			100	01			40			0.0	222	07		
			No disability or impairment	30	86	5,686	88	198	91	26,025	87	49	92	7,653	88	232	85	38,825	87
			Prefer not to respond	2	6	178	3	11	5	982	3	0	0	238	3	15	6	1,390	3
			Total	35	100	6,431	100	218	100	29,928	100	53	100	8,717	100	272	100	44,695	100



Respondent Profile: Business Tennessee Technological University

B	usiness			First-Y	'ear s	Students <sup>®</sup>	а		Seniors <sup>a</sup>										
								Quality		NSSE 2018	&					Quality		NSSE 201	8&
Item wording Variable				Tennessee 1	Геch	Carnegie Class		Assurance	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	%
39.	Which of the following	sexorient17	Straight (heterosexual)	28	80	5,709	89	198	92	26,517	89	49	92	7,703	88	244	89	39,795	89
	best describes your		Bisexual	2	6	235	4	6	3	1,175	4	1	2	310	4	4	1	1,313	3
	sexual orientation?		Gay	1	3	125	2	3	1	399	1	0	0	175	2	3	1	694	2
			Lesbian	0	0	44	1	0	0	201	1	0	0	64	1	4	1	330	1
			Queer	0	0	25	0	1	0	118	0	0	0	30	0	1	0	153	(
			Questioning or unsure	1	3	80	1	1	0	272	1	0	0	57	1	0	0	247	1
			Another sexual orientation	1	3	47	1	2	1	248	1	1	2	59	1	3	1	289	1
			I prefer not to respond	2	6	177	3	5	2	1,021	3	2	4	328	4	14	5	1,903	2
			Total	35	100	6,442	100	216	100	29,951	100	53	100	8,726	100	273	100	44,724	100
ns	titution-reported info	ormation (Varia	ables provided by your institution in your	NSSE populatio	n file.)	,				,				,				,	
	Institution-reported:	IRsex19	Female	23	66	3,723	57	126	57	17,314	56	30	57	4,970	56	167	61	26,101	57
	Sex		Male	12	34	2,865	43	94	43	13,309	43	23	43	3,941	44	108	39	19,369	43
			Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
			Unknown	0	0	1	0	0	0	55	0	0	0	1	0	0	0	75	(
			Total	35	100	6,589	100	220	100	30,678	100	53	100	8,912	100	275	100	45,545	100
	Institution-reported:	IRrace	American Indian or Alaska Native	0	0	18	0	2	1	138	0	0	0	42	1	1	0	251	1
	Race or ethnicity		Asian	2	6	551	10	5	2	1,610	6	2	4	628	8	6	2	2,287	6
			Black or African American	1	3	272	5	57	26	2,395	9	2	4	395	5	51	19	3,383	8
			Hispanic or Latino	0	0	613	11	9	4	3,524	13	0	0	1,016	13	11	4	5,122	12
			Native Hawaiian/Other Pac. Islander	0	0	7	0	1	0	136	0	0	0	10	0	0	0	161	(
			White	30	86	3,332	59	126	57	16,229	58	46	87	4,501	59	179	65	24,847	60
			Other	0	0	0	0	0	0	14	0	0	0	0	0	0	0	23	(
			Foreign or nonresident	0	0	491	9	12	5	1,712	6	0	0	643	8	17	6	2,247	5
			Two or more races/ethnicities	2	6	232	4	5	2	997	4	2	4	273	4	4	1	1,242	3
			Unknown	0	0	104	2	3	1	995	4	1	2	140	2	6	2	1,754	2
			Total	35	100	5,620	100	220	100	27,750	100	53	100	7,648	100	275	100	41,317	100
	Institution-reported:	IRclass	Freshman/First-Year	35	100	6,589	100	220	100	30,679	100	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	(
			Senior	0	0	0	0	0	0	0	0	53	100	8,912	100	275	100	45,549	100
			Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	35	100	6,589	100	220	100	30,679	100	53	100	8,912	100	275	100	45,549	100
	Institution-reported:	IRftfy	Not first-time first-year	5	14	605	9	27	12	4,433	14	52	98	8,912	100	275	100	45,024	99
	First-time first-year		First-time first-year	30	86	5,984	91	192	88	26,245	86	1	2	0	0	0	0	525	1
	(FTFY) student		Total	35	100	6,589	100	219	100	30,678	100	53	100	8,912	100	275	100	45,549	100
	Institution-reported:	IRenrollment	Not full-time	1	3	163	2	11	5	1,357	4	7	13	1,177	13	54	20	7,936	17
	Enrollment status		Full-time	34	97	6,426	98	209	95	29,322	96	46	87	7,735	87	221	80	37,613	83
			Total	35	100	6,589	100	220	100	30,679	100	53	100	8,912	100	275	100	45,549	100



**Endnotes: Business** 

#### **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.