

NSSE 2021  
(The National Survey of Student Engagement)

The University of Tennessee, Knoxville  
**Observations**

Office of Institutional Research and Assessment  
March 2022

The National Survey of Student Engagement (NSSE) is a survey of first-year and senior students that examines what students and the institutions they attend do to foster engagement on campus. The survey has been administered since 2000, with the University of Tennessee, Knoxville first participating in 2001. NSSE reports results that include a comparison group made up of institutions in UTK's Carnegie class as well as all participating institutions for the past two administrations. Institutions may also select additional comparison groups such as peers, or those selected by THEC. This analysis focuses on UTK's Carnegie class group (Research I) because those schools share the same general institutional mission. Some of the schools in the Carnegie class group are also peers.<sup>1</sup>

NSSE provides institutions with considerable feedback, featuring 95 items.<sup>2</sup> In order to facilitate an easier understanding of all that data, NSSE developed "Benchmarks" in 2001 which evolved into "Engagement Indicators" when the survey was revised in 2013. This report focuses on 47 of the 95 items on the survey organized into ten indicators that are then grouped into four categories (Academic Challenge, Learning With Peers, Experiences With Faculty, and Campus Environment). NSSE also introduced a High Impact Practices report that only looks at three of the 95 items: service learning, participating in a learning community, and participating in research with a faculty member.

Those standardized reports can be useful, as they provide an abbreviated understanding of how UTK first-year students and seniors compare to students at other participating Carnegie Research I institutions. But there is so much more information that might go unnoticed if Engagement Indicators and High Impact Practices are the only results considered. They function as an abstract or executive summary.

With that in mind, how do we best use NSSE? Ideally we would define the concept we want to measure, identify the items on the NSSE survey that ask about the subject area of interest, look at the most recent survey, and, if warranted, consider historical data.

For example several NSSE items were used in the Experience Learning Quality Enhancement Plan written in 2015 as part of the SACSCOC reaffirmation of accreditation. A summary of the NSSE items noted as being indicative of experiential learning are noted below. These items were selected by a university committee and were considered useful empirical data to support the need for increased focus on experiential learning.<sup>3</sup>

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<sup>1</sup> For the 2021 report peers included Clemson, Iowa State, North Carolina State, the University of Alabama, the University of Georgia, the University of Kentucky, the University of South Carolina, the University of Wisconsin, and Virginia Tech.

<sup>2</sup> The NSSE survey has grown from 85 questions in the early 2000's to 95 in the 2021 version. There was a major overhaul in 20013 with occasional minor edits and adding or removing a question or two in subsequent years.

<sup>3</sup> The QEP Enhancement Plan was released in early 2015, which means data collection and writing took place during fall 2014. NSSE data from the 2014 administration would have been released at some point during that same time, but it is possible that it was not released soon enough to have been used in the writing of the report. For the purposes of this example, we will use NSSE data from the 2014 administration. The survey underwent a major update in 2013, two of the items included in the QEP table were modified slightly.

NSSE compares an individual institution's mean scores with those of the comparison group. When the differences between those mean scores are larger than would be expected by chance, they are noted as *statistically significant*.<sup>4</sup> In the QEP chart (below), when the UTK scores are higher than the Carnegie peer group they are shaded in orange and when they are below the peer group they are shaded in gray.

		UT Students 2014	Carnegie Peers 2014
<b>Academic and Intellectual Experiences</b>			
About how many of your courses at this institution have included a community-based project (service-learning)? 1=None, 2=Some, 3=Most, 4=All	FY	1.5	1.5
	SR	1.6	1.6
In your experience at this institution during the current school year, about how often have you worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) 1=Never, 2=Sometimes, 3=Often, 4=Very Often	FY	1.8	1.7
	SR	2.0	1.9
<b>Enriching Educational Experiences</b>			
		Which of the following have you done or do you plan to do before you graduate from your institution? (0=No or Undecided, 1=Yes) The mean is the proportion responding "Yes" among all valid respondents.	
Practicum, internship, field experience, co-op experience, or clinical assignment	FY	10%	9%
	SR	52%	55%
Participate in a learning community or some other formal program where groups of students take two or more classes together	FY	18%	19%
	SR	29%	26%
Work on a research project with a faculty member outside of course or program requirements	FY	4%	6%
	SR	34%	29%
<b>Time Usage</b>			
		About how many hours do you spend in a typical 7-day week doing the following? 1=0 hrs/wk, 2=1-5hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk	
Participating in co-curricular activities (organizations, campus publications, student government, etc.)	FY	6.3	5.9
	SR	4.6	5.3
Community service or volunteer work	FY	2.3	2.3
	SR	2.9	2.8
<b>Institutional Environment</b>			
		To what extent does your institution emphasize each of the following? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much	
Encouraging contact among students from different economics, social and racial or ethnic backgrounds	FY	2.8	5.9
	SR	2.5	5.3
Attending campus events and activities (special speakers, cultural performances, athletic events, etc.)	FY	3.1	2.3
	SR	2.9	2.8
<b>Educational and Personal Growth</b>			
		To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much	
Working effectively with others	FY	2.7	2.8
	SR	2.9	3.0
Solving complex real-world problems	FY	2.6	2.6
	SR	2.6	2.8
Being an informed and active citizen	FY	2.5	2.6
	SR	2.5	2.6

<sup>4</sup> NSSE calculates statistical significance at three levels ( $p < .05$ ,  $p < .01$ ,  $p < .001$ ). For the purposes of this review, any item where the mean differences were determined to be statistically significant was included, regardless of the level of significance.

Following are three examples of how NSSE data could have been used to monitor the efforts of the QEP.

Adding Data from Subsequent NSSE Administrations

The easiest way to follow up on the initial data is to add subsequent data from the NSSE administrations that took place during the QEP.<sup>5</sup> It is important to note that NSSE does not necessarily diagnose successes and failures, it functions more as a screening tool that highlights where further study and analysis may be warranted. It is possible that the NSSE indicators used are not accurate measures of the efforts of the QEP, or progress is better measured in other ways.

		UT Students 2014	Carnegie Peers 2014	UT Students 2016	Carnegie Peers 2016	UT Students 2019	Carnegie Peers 2019
<b>Academic and Intellectual Experiences</b>							
About how many of your courses at this institution have included a community-based project (service-learning)? 1=None, 2=Some, 3=Most, 4=All	FY	1.5	1.5	1.5	1.5	1.5	1.6
	SR	1.6	1.6	1.5	1.6	1.6	1.6
In your experience at this institution during the current school year, about how often have you worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) 1=Never, 2=Sometimes, 3=Often, 4=Very Often	FY	1.8	1.7	1.7	1.8	1.8	1.8
	SR	2.0	1.9	1.9	1.9	2.1	2.0
<b>Enriching Educational Experiences</b>							
Which of the following have you done or do you plan to do before you graduate from your institution? (0=No or Undecided, 1=Yes) The mean is the proportion responding "Yes" among all valid respondents.							
Practicum, internship, field experience, co-op experience, or clinical assignment	FY	10%	9%	7%	9%	10%	8%
	SR	52%	55%	51%	54%	59%	53%
Participate in a learning community or some other formal program where groups of students take two or more classes together	FY	18%	19%	20%	20%	22%	15%
	SR	29%	26%	27%	25%	26%	23%
Work on a research project with a faculty member outside of course or program requirements	FY	4%	6%	3%	6%	6%	5%
	SR	34%	29%	31%	27%	39%	26%
<b>Time Usage</b>							
About how many hours do you spend in a typical 7-day week doing the following? 1=0 hrs/wk, 2=1-5hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk							
Participating in co-curricular activities (organizations, campus publications, student government, etc.)	FY	6.3	5.9	5.7	6.1	5.6	6.2
	SR	4.6	5.3	4.3	5.2	5.1	5.5
Community service or volunteer work	FY	2.3	2.3	2.0	2.5	1.9	2.5
	SR	2.9	2.8	2.7	2.9	2.2	3.0
<b>Institutional Environment</b>							
To what extent does your institution emphasize each of the following? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much							
Encouraging contact among students from different economics, social and racial or ethnic backgrounds	FY	2.8	5.9	2.8	2.8	2.7	2.8
	SR	2.5	5.3	2.4	2.6	2.5	2.6
Attending campus events and activities (special speakeres, cultural performances, athletic events, etc.)	FY	3.1	2.3	3.1	3.0	3.0	2.9
	SR	2.9	2.8	2.9	2.8	2.9	2.7
<b>Educational and Personal Growth</b>							
To what extent has your experience at this institution contributed to your knowledge, skills, and personal development in th following areas? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much							
Working effectively with others	FY	2.7	2.8	2.9	2.8	2.8	2.8
	SR	2.9	3.0	3.0	3.0	3.1	3.0
Solving complex real-world problems	FY	2.6	2.6	2.6	2.6	2.7	2.6
	SR	2.6	2.8	2.7	2.8	2.9	2.8
Being an informed and active citizen	FY	2.5	2.6	2.6	2.6	2.5	2.6
	SR	2.5	2.6	2.5	2.6	2.6	2.7

<sup>5</sup> Currently the primary use of NSSE at UTK is as a part of the Tennessee Higher Education Commission’s Quality Assurance Funding program. The QAF operates on a five year cycle, and NSSE is administered in years one and four of the cycle.

## Focusing on UT Progress

Sometimes the comparative Carnegie peer data can sidetrack us from forward progress in institution specific data. Another way to consider NSSE data is by looking at items over time. Even if UTK mean scores are below the Carnegie peer scores, increasing (or decreasing depending on the variable) with subsequent administrations of NSSE would indicate progress. Below is a table with UTK NSSE data from the same year as the prior table. Items where the percentage has increased over three administrations are highlighted in green.

		UT Students 2014	UT Students 2016	UT Students 2019
<b>Academic and Intellectual Experiences</b>				
About how many of your courses at this institution have included a community-based project (service-learning)? 1=None, 2=Some, 3=Most, 4=All	FY	1.5	1.5	1.5
	SR	1.6	1.5	1.6
In your experience at this institution during the current school year, about how often have you worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.) 1=Never, 2=Sometimes, 3=Often, 4=Very Often	FY	1.8	1.7	1.8
	SR	2.0	1.9	2.1
<b>Enriching Educational Experiences</b>				
Which of the following have you done or do you plan to do before you graduate from your institution? (0=No or Undecided, 1=Yes) The mean is the proportion responding "Yes" among all valid respondents.				
Practicum, internship, field experience, co-op experience, or clinical assignment	FY	10%	7%	10%
	SR	52%	51%	59%
Participate in a learning community or some other formal program where groups of students take two or more classes together	FY	18%	20%	22%
	SR	29%	27%	26%
Work on a research project with a faculty member outside of course or program requirements	FY	4%	3%	6%
	SR	34%	31%	39%
<b>Time Usage</b>				
About how many hours do you spend in a typical 7-day week doing the following? 1=0 hrs/wk, 2=1-5hrs/wk, 3=6-10 hrs/wk, 4=11-15 hrs/wk, 5=16-20 hrs/wk, 6=21-25 hrs/wk, 7=26-30 hrs/wk, 8=more than 30 hrs/wk				
Participating in co-curricular activities (organizations, campus publications, student government, etc.)	FY	6.3	5.7	5.6
	SR	4.6	4.3	5.1
Community service or volunteer work	FY	2.3	2.0	1.9
	SR	2.9	2.7	2.2
<b>Institutional Environment</b>				
To what extent does your institution emphasize each of the following? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much				
Encouraging contact among students from different economics, social and racial or ethnic backgrounds	FY	2.8	2.8	2.7
	SR	2.5	2.4	2.5
Attending campus events and activities (special speakeres, cultural performances, athletic events, etc.)	FY	3.1	3.1	3.0
	SR	2.9	2.9	2.9
<b>Educational and Personal Growth</b>				
To what extend has your experience at this institution contributed to your knowledge, skills, and personal development in th following areas? 1=Very Little, 2=Some, 3=Quite A Bit, 4=Very Much				
Working effectively with others	FY	2.7	2.9	2.8
	SR	2.9	3.0	3.1
Solving complex real-world problems	FY	2.6	2.6	2.7
	SR	2.6	2.7	2.9
Being an informed and active citizen	FY	2.5	2.6	2.5
	SR	2.5	2.5	2.6

Establishing A Threshold

It is easy to focus on the mean scores and effect sizes because they function as a shorthand for the data. But sometimes the focus on mean scores distracts from how students respond to NSSE. For example, students are asked “In your experience at this institution during the current school year, about how often have you worked with faculty members on activities other than coursework?” Response options are 1=Never, 2=Sometimes, 3=Often, 4=Very Often. If we establish that we would like for seniors to report that they work with faculty members on activities outside of class “Sometimes” then the threshold is reached when the mean score is 2.0.

About how often have you worked with faculty members on activities other than coursework (committees, orientation, student life activities, etc.)								
	UT First-Year Students				UT Seniors			
	2014	2016	2019	2021	2014	2016	2019	2021
Never	51%	52%	48%	53%	42%	42%	36%	45%
Sometimes	30%	33%	32%	29%	28%	33%	31%	30%
Often	12%	11%	13%	12%	17%	14%	17%	15%
Very Often	7%	4%	6%	6%	13%	11%	16%	10%
<b>Mean Score</b>	<b>1.8</b>	<b>1.7</b>	<b>1.8</b>	<b>1.6</b>	<b>2.0</b>	<b>1.9</b>	<b>2.1</b>	<b>1.9</b>

Or UTK may set a goal of having 50% of students experience a community-based project as part of their coursework. The shift in student responses can be seen when asked about courses that have a service-learning component over the course of three years.<sup>6</sup>

About how many of your courses at this institution have included a community-based project (service-learning)?								
	UT First-Year Students				UT Seniors			
	2014	2016	2019	2021	2014	2016	2019	2021
None	60%	56%	52%	59%	48%	48%	45%	44%
Some	33%	40%	43%	35%	45%	45%	50%	50%
Most	6%	3%	4%	5%	6%	7%	4%	6%
All	1%	2%	1%	1%	1%	1%	1%	0%

In these instances the comparison with the Carnegie peer group is not as important because the focus is on progress across time. For this to be effective, ideally the item and threshold would be determined prior to viewing NSSE data.

<sup>6</sup> Data from 2021 for first-year respondents is included, but highlighted because community-based projects and service-learning would have been drastically curtailed during that NSSE administration due to COVID-19.

### Who Is Responsible For This?

One aspect of the NSSE survey has not changed in the twenty two years it has been administered. The survey is designed to look at what students do as well as what institutions do to create an environment where student engagement occurs. With that constant in mind the NSSE breakdown found in the Appendix separates into three categories: 1) items looking at what *students* do when it comes to ideal engagement practices, 2) items examining what *institutions* do to promote ideal engagement practices, and 3) items that look at practices that *require involvement on the part of both the student and the institution*. This method helps organize the 95 items into three categories and narrows the focus on where issues with student engagement occur and which part of the equation contributes to good (or bad) engagement practices. To use the Experience Learning QEP example yet again, some of the items under the *Time Usage* heading require action on the part of the student and to see improvement in those items it would be necessary to encourage more action from students themselves (for example, earning points or prizes for a certain level of participation in co- curricular activities). Those items under *Institutional Environment* are very dependent on the actions of the institution and would require more from administrators (offering a wider variety of campus events, improving communication and publicity). The other items require action on the part of both the institution **and** the student (providing opportunities for students to be informed and active citizens while encouraging them to make the connection between what they are doing and how it makes them more informed and active).

### A Note About NSSE 2021 Data

It is important to consider the circumstances surrounding the NSSE administration of 2021. Obviously COVID-19 and the restrictions implemented by institutions impacted students' ability to participate in efforts to foster engagement. We would expect that all first-year student scores would be lower than in years the survey was administered prior to everything shutting down in March of 2020.

In prior administrations of NSSE, a small percentage of the items indicated any statistical significance with negligible effect sizes.<sup>7</sup> One or two items would indicate a small effect size. The 2021 administration of NSSE was very different for first-time students. Sixty of the 95 items were identified as being statistically significant and having at least a small effect size. Five of those were indicated as approaching a moderate effect size (greater than .3).

As noted previously, COVID-19 had an impact on students' experiences, particularly for first-time students. But that doesn't explain why first-year students at the University of Tennessee rated their experience lower than students at Carnegie I peer institutions who were also living through the same pandemic and similar restrictions.

A deeper examination discovered that NSSE continued the practice of combining two years of administrations in the comparison group. The institutions in UT Knoxville's comparison groups administered the survey in either the winter of 2020 or the winter of 2021. While each institution has a communication plan that is specifically tailored to their term schedule, NSSE is generally administered from late January to mid-April, and the vast majority of responses are received at the beginning of the survey. Those that participated in 2020 would have been working with data that was collected prior to the March 2020 shutdown. And while those students were affected by the shutdown, their experience would not have been captured in their NSSE responses. *That is likely to explain the discrepancy.*

NSSE gave institutions the opportunity to filter out 2020 responses for frequencies only. (They did offer to issue a new report for a fee, which we declined.) The 2020 frequencies are included in the Appendix for first-time students only, highlighted in orange. This is because their first year was so drastically impacted (senior students had three years of "normalcy" to base their responses on) and the effect sizes were concentrated in the Freshman group of respondents.

It is difficult to draw conclusions from the 2021 NSSE because the year was (hopefully) an outlier. It could be summed up as "everything was bad", very little in the way of engagement happened. Fortunately, the first-year students will be surveyed again during their senior year and we will be able to see if 2021 was just a blip in terms of student engagement or if more significant changes are on the horizon.

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<sup>7</sup> Negligible in this case equals around .1. When NSSE identifies an institution's score as statistically significant, an *effect size* is then calculated. According to NSSE, the "effect size indicates practical significance" when statistical significance has been established. An effect size of .2 is considered small, .5 is moderate and .8 is large.



# Appendix A

## “What Students Do”

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students						Senior Students												
		Frequency Distributions				Statistical Comparisons		Frequency Distributions				Statistical Comparisons								
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class				
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	
								Effect						Effect						
								Mean						Mean						
								size <sup>e</sup>						size <sup>e</sup>						
<b>WHAT STUDENTS DO</b>																				
<b>1. During the current school year, about how often have you done the following?</b>																				
a.	Asked questions or contributed to course discussions in other ways	askquest	1 Never 2 Sometimes 3 Often 4 Very often Total	36 6 261 40 236 36 123 18 656 100	791 4 8,537 40 7,489 35 4,637 22 21,454 100	2,230 5 20,853 41 17,216 34 10,344 21 50,643 100	<b>2.7</b>	2.7	-.04	31 6 213 37 175 30 164 28 583 100	2,555 4 20,590 33 20,122 32 19,424 31 62,691 100	<b>2.8</b>	2.9 *	-.10	75 13 228 40 163 28 112 19 578 100	9,027 15 25,011 40 17,828 28 10,399 16 62,265 100	<b>2.5</b>	2.5	.08	
b.	Asked another student to help you understand course material	CLaskhelp	1 Never 2 Sometimes 3 Often 4 Very often Total	91 15 269 41 189 28 105 16 654 100	3,233 15 8,898 42 5,947 28 3,219 15 21,297 100	5,256 12 19,449 39 16,721 32 8,858 17 50,284 100	<b>2.5</b>	2.5 **	-.11	39 7 206 36 208 36 125 21 578 100	5,237 9 22,529 36 21,869 35 12,548 20 62,183 100	<b>2.7</b>	2.7	.06	127 22 201 36 162 28 81 14 571 100	12,635 21 21,002 34 16,768 27 11,459 19 61,864 100	<b>2.3</b>	2.4 *	-.09	
c.	Explained course material to one or more students	CLexplain	1 Never 2 Sometimes 3 Often 4 Very often Total	54 9 281 42 207 32 109 17 651 100	2,483 12 9,449 44 6,529 31 2,813 13 21,274 100	3,644 8 19,764 39 18,429 36 8,353 17 50,190 100	<b>2.6</b>	2.6	-.05	36 6 158 28 195 34 180 32 569 100	5,160 8 17,844 29 21,415 35 17,212 28 61,631 100	<b>2.9</b>	2.8 *	.10	77 13 210 37 157 28 125 22 569 100	8,881 15 22,084 36 18,140 29 12,413 20 61,518 100	<b>2.6</b>	2.5	.05	
d.	Prepared for exams by discussing or working through course material with other students	CLstudy	1 Never 2 Sometimes 3 Often 4 Very often Total	185 29 265 41 133 20 61 10 644 100	5,639 27 7,967 38 5,018 24 2,563 12 21,187 100	9,063 20 17,630 36 14,565 28 8,697 17 49,955 100	<b>2.1</b>	2.4 ***	-.33	67 10 276 42 213 34 84 13 640 100	4,865 11 19,840 41 16,794 33 8,178 16 49,677 100	<b>2.5</b>	2.5	-.04	144 22 298 47 148 23 48 7 638 100	6,215 30 9,621 46 3,867 18 1,348 6 21,051 100	12,757 26 23,412 48 9,773 19 3,666 7 49,608 100	<b>2.2</b>	2.1 *	.09
e.	Worked with other students on course projects or assignments	CLproject	1 Never 2 Sometimes 3 Often 4 Very often Total	67 10 276 42 213 34 84 13 640 100	2,862 14 9,416 45 6,123 29 2,673 13 21,074 100	4,865 11 19,840 41 16,794 33 8,178 16 49,677 100	<b>2.5</b>	2.5	-.04	144 22 298 47 148 23 48 7 638 100	6,215 30 9,621 46 3,867 18 1,348 6 21,051 100	12,757 26 23,412 48 9,773 19 3,666 7 49,608 100	<b>2.2</b>	2.1 *	.09	77 13 210 37 157 28 125 22 569 100	8,881 15 22,084 36 18,140 29 12,413 20 61,518 100	<b>2.6</b>	2.5	.05
f.	Given a course presentation	present	1 Never 2 Sometimes 3 Often 4 Very often Total	144 22 298 47 148 23 48 7 638 100	6,215 30 9,621 46 3,867 18 1,348 6 21,051 100	12,757 26 23,412 48 9,773 19 3,666 7 49,608 100	<b>2.2</b>	2.1 *	.09	77 13 210 37 157 28 125 22 569 100	8,881 15 22,084 36 18,140 29 12,413 20 61,518 100	<b>2.6</b>	2.5	.05	77 13 210 37 157 28 125 22 569 100	8,881 15 22,084 36 18,140 29 12,413 20 61,518 100	<b>2.6</b>	2.5	.05	

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class	
				Count	%	Count	%	Count	%	Count	Mean	Mean	Effect size <sup>e</sup>	Count	%	Count	%	Count	%	Count	Mean	Mean	Effect size <sup>e</sup>
<b>2. During the current school year, about how often have you done the following?</b>																							
a.	Combined ideas from different courses when completing assignments	RIintegrate	1 Never 2 Sometimes 3 Often 4 Very often Total	73 12 269 43 211 34 74 11 627 100	2,253 11 8,511 41 7,306 35 2,690 13 20,760 100	4,468 10 20,095 41 17,768 35 6,558 13 48,889 100	2.4	2.5 *	-.08	25 4 141 25 231 41 163 29 560 100	2,982 5 17,586 29 24,410 40 15,938 26 60,916 100	3.0	2.9 *	.10									
b.	Connected your learning to societal problems or issues	RI societal	1 Never 2 Sometimes 3 Often 4 Very often Total	92 16 262 42 197 31 71 11 622 100	2,124 10 7,996 39 7,209 35 3,249 16 20,578 100	4,817 11 19,122 40 17,173 34 7,383 15 48,495 100	2.4	2.5 ***	-.17	49 9 174 32 183 33 147 26 553 100	5,248 10 20,125 34 21,055 34 14,143 23 60,571 100	2.8	2.7	.08									
c.	Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RI diverse	1 Never 2 Sometimes 3 Often 4 Very often Total	90 16 252 42 189 30 80 12 611 100	2,089 10 7,465 37 7,152 35 3,686 18 20,392 100	5,014 12 18,138 38 16,701 33 8,191 17 48,044 100	2.4	2.5 ***	-.18	96 18 174 32 160 29 117 21 547 100	8,986 16 20,637 35 18,086 29 12,450 20 60,159 100	2.5	2.5	.00									
d.	Examined the strengths and weaknesses of your own views on a topic or issue	RI ownview	1 Never 2 Sometimes 3 Often 4 Very often Total	42 7 209 35 250 42 88 15 589 100	1,154 6 6,474 32 8,891 44 3,630 18 20,149 100	2,467 6 15,572 33 21,077 44 8,354 18 47,470 100	2.7	2.7 *	-.10	45 8 153 29 197 37 141 26 536 100	3,322 6 17,953 30 25,408 42 12,999 22 59,682 100	2.8	2.8	.02									
e.	Tried to better understand someone else's views by imagining how an issue looks from their perspective	RI perspect	1 Never 2 Sometimes 3 Often 4 Very often Total	34 7 162 28 267 46 109 19 572 100	717 4 5,457 28 9,116 46 4,519 23 19,809 100	1,511 4 12,734 28 21,841 46 10,622 23 46,708 100	2.8	2.9 **	-.13	35 7 118 23 208 40 161 30 522 100	2,100 4 14,480 25 26,013 44 16,321 27 58,914 100	2.9	2.9	.00									
f.	Learned something that changed the way you understand an issue or concept	RI newview	1 Never 2 Sometimes 3 Often 4 Very often Total	43 8 200 36 230 42 76 13 549 100	795 4 6,275 32 8,491 44 3,954 20 19,515 100	1,521 4 14,233 32 20,768 44 9,479 20 46,001 100	2.6	2.8 ***	-.26	22 4 140 28 210 41 138 27 510 100	1,531 3 15,413 27 25,840 44 15,441 26 58,225 100	2.9	2.9	-.04									
g.	Connected ideas from your courses to your prior experiences and knowledge	RI connect	1 Never 2 Sometimes 3 Often 4 Very often Total	15 3 144 27 248 46 130 24 537 100	367 2 4,305 22 9,465 49 5,136 27 19,273 100	729 2 9,690 22 22,814 49 12,214 27 45,447 100	2.9	3.0 **	-.14	6 1 78 16 237 48 178 35 499 100	782 2 9,852 17 26,898 46 20,162 35 57,694 100	3.2	3.1	.04									

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons		
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class			
				Count	%	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Count	%	Count	%	Mean	Mean	size <sup>e</sup>		
<b>6. During the current school year, about how often have you done the following?</b>																					
a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	QRconclude	1	Never	35	8	1,501	9	3,735	9	<b>2.6</b>	2.6	.01	46	10	5,464	10	<b>2.7</b>	2.7	.03		
		2	Sometimes	178	38	6,445	37	15,005	36				129	30	17,963	32					
		3	Often	166	37	6,737	39	16,239	39				154	37	19,423	37					
		4	Very often	76	17	2,794	16	6,612	17				93	23	10,778	21					
		Total		455	100	17,477	100	41,591	100				422	100	53,628	100					
b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public	QRproblem	1	Never	84	18	2,939	17	7,467	18	<b>2.3</b>	2.4 *	-.10	78	18	9,620	18	<b>2.5</b>	2.4	.04		
		2	Sometimes	212	47	6,915	40	16,195	40				139	33	19,098	35					
		3	Often	114	25	5,406	31	12,702	30				123	30	16,057	30					
		4	Very often	45	10	2,134	12	5,017	12				77	19	8,656	17					
		Total		455	100	17,394	100	41,381	100				417	100	53,431	100					
c. Evaluated what others have concluded from numerical information	QRevaluate	1	Never	76	17	2,735	16	6,472	16	<b>2.3</b>	2.4	-.06	63	15	8,044	15	<b>2.5</b>	2.5	.05		
		2	Sometimes	193	43	7,195	42	17,006	41				140	34	20,122	37					
		3	Often	138	31	5,523	32	13,196	32				139	34	17,005	32					
		4	Very often	42	9	1,871	11	4,579	11				70	17	8,062	15					
		Total		449	100	17,324	100	41,253	100				412	100	53,233	100					
<b>8. During the current school year, about how often have you had discussions with people from the following groups?</b>																					
a. People of a race or ethnicity other than your own	DDrace	1	Never	25	6	953	6	1,632	4	<b>2.8</b>	3.1 ***	-.24	14	3	2,496	5	<b>3.0</b>	3.1 ***	-.17		
		2	Sometimes	137	31	4,833	28	9,754	24				131	32	11,367	21					
		3	Often	156	34	5,711	33	13,485	32				124	30	16,433	31					
		4	Very often	128	28	5,751	33	16,152	39				141	34	22,712	43					
		Total		446	100	17,248	100	41,023	100				410	100	53,008	100					
b. People from an economic background other than your own	DDeconomic	1	Never	18	4	994	6	1,699	4	<b>2.9</b>	3.0	-.08	10	2	2,375	5	<b>3.0</b>	3.1	-.07		
		2	Sometimes	113	26	4,742	28	9,913	25				114	28	11,819	22					
		3	Often	187	41	6,462	38	15,176	37				157	38	18,510	35					
		4	Very often	128	28	5,018	29	14,134	34				130	32	20,181	38					
		Total		446	100	17,216	100	40,922	100				411	100	52,885	100					
c. People with religious beliefs other than your own	DDreligion	1	Never	28	7	1,384	8	2,435	6	<b>2.8</b>	3.0 **	-.13	12	3	3,183	6	<b>3.0</b>	3.0	-.03		
		2	Sometimes	131	30	4,919	29	10,407	26				124	30	12,809	24					
		3	Often	161	36	5,803	34	13,793	33				136	33	17,029	32					
		4	Very often	125	28	5,099	30	14,276	35				139	34	19,857	38					
		Total		445	100	17,205	100	40,911	100				411	100	52,878	100					
d. People with political views other than your own	DDpolitical	1	Never	21	5	1,388	8	2,823	7	<b>3.0</b>	2.9 **	.13	11	3	3,747	7	<b>3.0</b>	2.9 *	.11		
		2	Sometimes	106	23	5,418	31	12,539	30				123	30	15,867	29					
		3	Often	166	38	5,487	32	12,961	31				132	32	15,821	30					
		4	Very often	152	34	4,930	29	12,625	32				145	36	17,466	34					
		Total		445	100	17,223	100	40,948	100				411	100	52,901	100					

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions				Statistical Comparisons			Frequency Distributions				Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class	
				Count	%	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Count	%	Count	%	Mean	Mean	size <sup>e</sup>
<b>9. During the current school year, about how often have you done the following?</b>																			
a. Identified key information from reading assignments	LReading	1	Never	20	5	455	3	891	3	<b>2.8</b>	3.0 **	-15	18	4	1,686	4	<b>3.0</b>	3.0	-.01
		2	Sometimes	121	28	4,212	25	9,666	25				90	22	11,424	22			
		3	Often	199	45	7,993	47	19,398	47				164	40	22,532	42			
		4	Very often	101	22	4,464	26	10,739	26				140	33	17,044	32			
			Total	441	100	17,124	100	40,694	100	412	100	52,686	100						
b. Reviewed your notes after class	LNotes	1	Never	25	6	887	5	1,921	5	<b>2.9</b>	2.9	-.01	31	8	3,925	8	<b>2.8</b>	2.8	-.06
		2	Sometimes	124	29	5,050	30	12,049	30				145	36	16,175	31			
		3	Often	168	38	6,271	37	14,823	36				116	28	17,325	33			
		4	Very often	124	28	4,905	29	11,870	28				119	29	15,209	29			
			Total	441	100	17,113	100	40,663	100	411	100	52,634	100						
c. Summarized what you learned in class or from course materials	LSummary	1	Never	24	6	1,003	6	2,284	6	<b>2.7</b>	2.8 *	-.11	33	8	3,605	7	<b>2.8</b>	2.8	-.08
		2	Sometimes	163	37	5,249	31	12,424	31				139	34	15,659	30			
		3	Often	164	38	6,784	40	15,994	39				135	33	19,431	37			
		4	Very often	89	19	4,076	24	9,983	24				106	25	13,932	27			
			Total	440	100	17,112	100	40,685	100	413	100	52,627	100						
<b>15. To what extent do you agree or disagree with the following statements?</b>																			
a. I feel comfortable being myself at this institution.	sbmyself	1	Strongly disagree	10	3			725	2	<b>3.1</b>	3.2 **	-.16	17	4	1,351	3	<b>3.1</b>	3.3 ***	-.26
		2	Disagree	49	12			3,064	8				52	13	3,821	8			
		3	Agree	235	56			21,596	54				214	53	25,163	48			
		4	Strongly agree	121	29			14,047	36				118	30	20,985	41			
			Total	415	100			39,432	100	401	100	51,320	100						
b. I feel valued by this institution.	sbvalued	1	Strongly disagree	30	8			1,634	5	<b>2.7</b>	2.9 ***	-.25	67	17	4,185	9	<b>2.6</b>	2.8 ***	-.30
		2	Disagree	122	29			7,543	20				115	29	11,199	22			
		3	Agree	197	47			22,147	55				147	36	24,915	48			
		4	Strongly agree	66	16			8,067	21				72	18	10,976	22			
			Total	415	100			39,391	100	401	100	51,275	100						
c. I feel like part of the community at this institution.	sbcommunity	1	Strongly disagree	30	7			1,627	5	<b>2.8</b>	2.9 ***	-.22	45	11	3,238	7	<b>2.7</b>	2.9 ***	-.21
		2	Disagree	116	28			7,429	19				91	23	9,851	19			
		3	Agree	188	45			21,205	52				193	48	25,711	49			
		4	Strongly agree	82	20			9,167	23				73	19	12,510	25			
			Total	416	100			39,428	100	402	100	51,310	100						

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class	
				Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>				
<b>16. About how many hours do you spend in a typical 7-day week doing the following?</b>																							
a.	Preparing for class (studying, reading, writing, doing homework or lab work, analyzing data, rehearsing, and other academic activities)	tmpprehrs	0 0 hrs	2	1	54	0	151	0	<b>17.8</b>	16.2 ***	.19	1	0	216	0	<b>17.6</b>	15.8 ***	.20				
		(Recorded version of tmppre created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	1,358	8	3,532	9	28				7	5,917	11								
			8	6-10 hrs	2,806	17	7,585	19	69				16	11,052	21								
			13	11-15 hrs	3,480	21	8,793	22	82				20	10,437	20								
			18	16-20 hrs	3,443	21	8,181	21	67				17	9,359	18								
			23	21-25 hrs	2,427	15	5,350	14	75				18	5,746	11								
			28	26-30 hrs	1,390	8	2,696	7	41				10	3,442	7								
			33	More than 30 hrs	1,584	10	3,027	8	46				11	4,995	10								
			Total		16,542	100	39,315	100	410				100	51,164	100								
	Participating in co-curricular activities (organizations, campus publications, student government, fraternity or sorority, intercollegiate or intramural sports, etc.)	tmcocurrhrs	0 0 hrs	170	42	6,553	40	12,701	33				<b>3.4</b>	5.3 ***	-.28	154				38	20,331	40	<b>4.5</b>
		(Recorded version of tmcocurr created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	5,187	31	13,446	34	153	36	14,805	29											
			8	6-10 hrs	2,403	15	6,426	16	56	13	7,296	14											
			13	11-15 hrs	1,199	7	3,374	8	24	6	4,046	8											
			18	16-20 hrs	597	4	1,702	4	9	2	2,327	5											
			23	21-25 hrs	306	2	873	2	2	1	1,171	2											
			28	26-30 hrs	103	1	265	1	0	0	415	1											
			33	More than 30 hrs	182	1	458	1	0	0	701	1											
			Total		16,350	100	39,245	100	414	100	51,092	100											
	Working for pay on campus	tmworkonhrs	0 0 hrs	366	88	14,458	88	32,548	84	<b>1.2</b>	2.1 ***	-.16				291	73	37,046	74	<b>3.4</b>	3.5	-.01	
		(Recorded version of tmworkon created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	327	2	1,018	2	12				3	2,048	4								
			8	6-10 hrs	475	3	1,931	4	14				3	3,830	7								
			13	11-15 hrs	588	4	1,903	5	10				2	3,291	6								
			18	16-20 hrs	387	2	1,133	3	9				2	3,291	6								
			23	21-25 hrs	186	1	483	1	3				1	2,955	6								
			28	26-30 hrs	33	0	89	0	0				0	1,036	2								
			33	More than 30 hrs	69	0	163	0	0				0	316	1								
			Total		16,523	100	39,268	100	414				100	51,097	100								
	Working for pay off campus	tmworkoffhrs	0 0 hrs	288	71	11,336	69	28,274	72				<b>4.1</b>	4.4	-.03	201	51	23,343	47				<b>9.2</b>
		(Recorded version of tmworkoff created by NSSE. Values are estimated number of hours per week.)	3	1-5 hrs	847	5	1,732	4	21	5	2,558	5											
			8	6-10 hrs	846	5	1,880	5	33	8	3,509	7											
			13	11-15 hrs	907	5	2,130	5	19	4	3,743	7											
			18	16-20 hrs	927	6	2,033	5	33	8	3,743	7											
			23	21-25 hrs	690	4	1,472	4	28	7	4,644	9											
			28	26-30 hrs	425	3	801	2	7	2	3,456	6											
			33	More than 30 hrs	551	3	960	3	8	2	2,631	5											
			Total		16,529	100	39,282	100	412	100	7,234	15											
			Total		16,529	100	39,282	100	399	100	51,118	100											

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons												
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class													
				Count	%	Count	%	Count	%	Effect	Effect	Effect	Count	%	Count	%	Mean	Mean	size <sup>e</sup>												
e. Doing community service or volunteer work	tmworkhrs (Recorded version of tmservicehrs created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	258	63	11,036	67	24,681	63	<b>5.4</b>	6.4 *	-10	<b>12.5</b>	14.4 **	-14																
		3	1-5 hrs	130	31	3,933	24	10,396	26																						
		8	6-10 hrs	13	3	730	4	1,986	5																						
		13	11-15 hrs	7	2	409	2	1,121	3																						
		18	16-20 hrs	2	0	202	1	529	1																						
		23	21-25 hrs	0	0	114	1	310	1							<b>1.7</b>	2.2 **	-11	<b>2.5</b>	3.0	-08	207	52	28,017	55						
		28	26-30 hrs	1	0	31	0	86	0													142	35	15,064	29						
		33	More than 30 hrs	1	0	62	0	150	0													31	8	3,885	8						
		Total		412	100	16,517	100	39,259	100													9	2	1,839	4						
		399	100	51,084	100																										
f. Relaxing and socializing (time with friends, video games, TV or videos, keeping up with friends online, etc.)	tmrelaxhrs (Recorded version of tmrelax created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	3	1	255	2	570	2	<b>12.7</b>	13.2	-06	<b>11.5</b>	11.9	-05																
		3	1-5 hrs	82	19	2,980	18	6,654	17							8	2	1,293	3												
		8	6-10 hrs	122	29	4,477	27	10,441	26							98	23	11,452	22												
		13	11-15 hrs	85	21	3,683	22	8,994	23							113	29	14,276	28												
		18	16-20 hrs	55	14	2,406	15	6,066	16							88	22	10,283	20												
		23	21-25 hrs	20	5	1,109	7	2,743	7							43	11	6,701	13												
		28	26-30 hrs	17	4	468	3	1,125	3							16	4	2,926	6												
		33	More than 30 hrs	28	7	1,147	7	2,670	7							10	3	1,259	3												
Total		412	100	16,525	100	39,263	100	22	6	2,879	6																				
398	100	51,069	100																												
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recorded version of tmcare created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	360	87	13,043	79	31,852	81	<b>.8</b>	1.9 ***	-20	<b>2.2</b>	4.3 ***	-23																
		3	1-5 hrs	34	8	1,601	10	3,355	9							316	80	36,157	71												
		8	6-10 hrs	10	2	695	4	1,419	4							40	10	5,059	10												
		13	11-15 hrs	4	1	497	3	1,122	3							12	3	2,452	5												
		18	16-20 hrs	3	1	267	2	597	2							8	2	1,686	3												
		23	21-25 hrs	1	0	139	1	367	1							7	2	1,208	2												
		28	26-30 hrs	0	0	62	0	118	0							6	1	672	1												
		33	More than 30 hrs	1	0	216	1	387	1							1	0	387	1												
Total		413	100	16,520	100	39,217	100	8	2	3,408	7																				
398	100	51,029	100																												
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recorded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0	0 hrs	196	48	8,883	54	17,956	45	<b>2.1</b>	3.5 ***	-25	<b>3.4</b>	4.7 ***	-22																
		3	1-5 hrs	183	45	5,443	33	13,738	35							93	23	13,649	26												
		8	6-10 hrs	24	6	1,181	7	4,046	11							259	65	24,552	49												
		13	11-15 hrs	6	1	504	3	1,807	5							30	8	7,293	15												
		18	16-20 hrs	3	1	235	1	778	2							7	2	2,739	5												
		23	21-25 hrs	0	0	136	1	451	1							4	1	1,134	2												
		28	26-30 hrs	1	0	44	0	151	0							2	0	617	1												
		33	More than 30 hrs	0	0	103	1	346	1							1	0	282	1												
Total		413	100	16,529	100	39,273	100	2	1	853	2																				
398	100	51,119	100																												





# Appendix B

“What Institutions Do”

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

#### Frequency Distributions

#### Statistical Comparisons

#### Frequency Distributions

#### Statistical Comparisons

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	UT Knoxville				Carnegie Class 2021 only				Carnegie Class				UT Knoxville			Carnegie Class			UT Knoxville			Carnegie Class								
				Count		%		Count		%		Count		%		Effect		Count		%		Count		%		Effect		Count		%		Effect	
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%		

## WHAT INSTITUTIONS DO

### 4. During the current school year, how much has your coursework emphasized the following?

a. Memorizing course material	memorize	1	Very little	27	5	907	5	1,691	4	<b>3.0</b>	2.9	.06	37	8	4,037	7	<b>2.7</b>	2.8	-.05
		2	Some	113	22	5,033	27	11,325	26				146	31	16,837	30			
		3	Quite a bit	231	46	8,300	44	19,980	45				193	40	22,225	39			
		4	Very much	143	27	4,564	24	11,332	25				102	21	13,516	24			
		Total		514	100	18,804	100	44,328	100				478	100	56,615	100			
b. Applying facts, theories, or methods to practical problems or new situations	HOapply	1	Very little	28	6	838	4	1,604	4	<b>2.8</b>	2.9 *	-.11	22	5	1,845	4	<b>3.1</b>	3.0	.09
		2	Some	138	27	4,881	26	10,789	25				74	16	11,908	21			
		3	Quite a bit	234	46	8,575	46	20,508	46				214	45	25,188	44			
		4	Very much	111	22	4,406	24	11,172	26				164	35	17,423	31			
		Total		511	100	18,700	100	44,073	100				474	100	56,364	100			
c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	HOanalyze	1	Very little	35	7	838	5	1,661	4	<b>2.8</b>	2.9 **	-.14	21	4	2,068	4	<b>3.1</b>	3.0 *	.10
		2	Some	139	28	5,060	27	11,456	27				97	21	12,641	23			
		3	Quite a bit	228	45	8,250	45	19,665	44				177	38	24,252	43			
		4	Very much	100	20	4,341	23	10,861	25				173	37	16,929	30			
		Total		502	100	18,489	100	43,643	100				468	100	55,890	100			
d. Evaluating a point of view, decision, or information source	HOevaluate	1	Very little	36	8	845	5	2,013	5	<b>2.7</b>	2.8 ***	-.16	44	9	3,524	7	<b>2.8</b>	2.9	-.04
		2	Some	155	31	4,941	27	11,698	27				124	27	14,081	26			
		3	Quite a bit	216	43	8,324	45	19,556	44				166	35	23,180	41			
		4	Very much	93	18	4,306	23	10,187	23				135	28	14,786	26			
		Total		500	100	18,416	100	43,454	100				469	100	55,571	100			
e. Forming a new idea or understanding from various pieces of information	HOform	1	Very little	39	8	774	4	1,727	5	<b>2.7</b>	2.9 ***	-.20	26	6	2,597	5	<b>3.0</b>	2.9	.08
		2	Some	149	30	4,967	27	11,610	27				103	22	13,510	25			
		3	Quite a bit	221	45	8,459	46	20,075	46				185	40	24,448	44			
		4	Very much	85	17	4,139	23	9,828	22				150	32	14,802	26			
		Total		494	100	18,339	100	43,240	100				464	100	55,357	100			

### 5. During the current school year, to what extent have your instructors done the following?

a. Clearly explained course goals and requirements	ETgoals	1	Very little	25	6	559	3	1,034	3	<b>2.9</b>	3.0 *	-.12	15	3	1,386	3	<b>3.0</b>	3.1	-.08
		2	Some	108	22	4,254	23	9,327	22				97	21	10,845	20			
		3	Quite a bit	228	46	8,318	46	20,106	46				214	47	24,395	44			
		4	Very much	125	26	5,077	28	12,425	29				132	29	18,371	34			
		Total		486	100	18,208	100	42,892	100				458	100	54,997	100			

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>e</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class	
				Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>f</sup>	Count	%	Count	%	Mean	Mean	Effect size <sup>f</sup>	Count	%	Count	%
b. Taught course sessions in an organized way	ETorganize	1	Very little	38	8	964	5	1,794	4	2.8	2.9 **	-0.13	20	4	2,506	5	3.0	3.0	-0.01				
		2	Some	113	23	4,608	25	9,982	23				107	23	11,952	21							
		3	Quite a bit	225	47	8,074	44	19,794	46				198	43	24,241	44							
		4	Very much	110	23	4,504	25	11,194	27				133	29	16,178	30							
		Total	486	100	18,150	100	42,764	100	458				100	54,877	100								
c. Used examples or illustrations to explain difficult points	ETexample	1	Very little	29	6	925	5	1,590	4	2.9	3.0	-0.06	15	3	2,033	4	3.0	3.0	.00				
		2	Some	115	24	4,770	26	10,140	24				95	20	11,590	21							
		3	Quite a bit	207	42	7,725	43	18,947	44				203	45	23,212	42							
		4	Very much	135	28	4,688	26	11,992	28				144	32	17,944	33							
		Total	486	100	18,108	100	42,669	100	457				100	54,779	100								
d. Provided feedback on a draft or work in progress	ETdraftfb	1	Very little	46	10	1,831	10	4,033	10	2.6	2.7	-0.03	76	17	6,431	12	2.6	2.7 *	-0.11				
		2	Some	174	36	5,872	32	13,916	33				148	32	16,704	31							
		3	Quite a bit	164	33	6,447	36	15,549	36				130	28	18,443	33							
		4	Very much	101	21	3,927	22	9,096	21				101	23	13,107	24							
		Total	485	100	18,077	100	42,594	100	455				100	54,685	100								
e. Provided prompt and detailed feedback on tests or completed assignments	ETfeedback	1	Very little	74	16	2,178	12	4,539	11	2.5	2.6	-0.07	63	14	5,368	10	2.6	2.7 **	-0.13				
		2	Some	149	30	6,519	36	15,202	36				144	32	17,273	31							
		3	Quite a bit	186	39	6,229	35	15,279	36				165	36	19,958	36							
		4	Very much	70	15	3,060	17	7,443	18				78	18	11,928	22							
		Total	479	100	17,986	100	42,463	100	450				100	54,527	100								
f. Explained in advance the criteria for successfully completing your assignments	eterriteria	1	Very little	29	6			832	5	2.8	2.9 **	-0.14	24	5	1,183	5	2.9	2.9	-0.04				
		2	Some	153	32			4,649	26				109	24	5,809	24							
		3	Quite a bit	190	40			7,865	44				195	44	9,723	41							
		4	Very much	108	22			4,552	26				114	26	6,896	29							
		Total	480	100			17,898	100	442				100	23,611	100								
g. Reviewed and summarized key ideas or concepts	etreview	1	Very little	37	8			740	5	2.8	2.9	-0.06	28	6	1,020	5	2.9	3.0	-0.02				
		2	Some	116	24			4,659	26				83	19	5,557	24							
		3	Quite a bit	220	47			8,136	45				219	49	10,229	43							
		4	Very much	105	22			4,284	24				110	25	6,776	29							
		Total	478	100			17,819	100	440				100	23,582	100								
h. Taught in a way that aligns with how you prefer to learn	etprefer	1	Very little	93	20			2,366	14	2.4	2.5 *	-0.12	53	12	2,841	13	2.6	2.6	-0.02				
		2	Some	168	35			6,747	38				157	35	8,179	35							
		3	Quite a bit	164	34			6,214	34				164	37	8,338	35							
		4	Very much	52	11			2,448	14				68	16	4,165	18							
		Total	477	100			17,775	100	442				100	23,523	100								

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students								Senior Students									
		Frequency Distributions				Statistical Comparisons				Frequency Distributions				Statistical Comparisons					
		UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class	
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Count	%	Count	%	Count	%	Effect	Effect	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Effect
i. Enabled you to demonstrate your learning through quizzes, assignments, and other activities	etdemonstrate	1	Very little	19	4			555	4	3.1	3.1	.06	17	4	862	4	3.1	3.1	.04
		2	Some	69	15			3,507	20										
		3	Quite a bit	229	48			7,845	44										
		4	Very much	156	33			5,830	33										
		Total		473	100			17,737	100										
<b>7. During the current school year, about how many papers, reports, or other writing tasks of the following lengths have you been assigned? (Include those not yet completed.)</b>																			
a. Up to 5 pages	wrshortnum <i>(Recorded version of wrshort created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	34	8	1,215	7	2,918	7	6.4	6.3	.02	31	7	4,061	8	7.2	7.0	.03
		1.5	1-2	90	19	3,783	22	8,710	21										
		4	3-5	147	34	5,445	32	13,217	32										
		8	6-10	90	19	3,588	31	8,899	22										
		13	11-15	50	11	1,712	10	4,045	10										
		18	16-20	20	4	680	4	1,548	4										
23	More than 20	20	4	857	5	1,771	4												
Total		451	100	17,280	100	41,108	100												
b. Between 6 and 10 pages	wrmednum <i>(Recorded version of wrmed created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	213	47	6,999	41	15,891	40	1.6	2.2 ***	-.17	123	29	15,330	30	3.0	3.2	-.04
		1.5	1-2	149	34	5,929	34	14,374	35										
		4	3-5	59	13	2,631	15	6,657	16										
		8	6-10	19	4	1,057	6	2,623	6										
		13	11-15	6	1	372	2	908	2										
		18	16-20	1	0	98	1	214	1										
23	More than 20	2	0	144	1	318	1												
Total		449	100	17,230	100	40,985	100												
c. 11 pages or more	wrlongnum <i>(Recorded version of wrlong created by NSSE. Values are estimated number of papers, reports, etc.)</i>	0	None	377	85	13,532	78	31,370	76	.4	1.0 ***	-.19	227	54	27,909	53	1.5	1.9 *	-.09
		1.5	1-2	55	12	2,288	13	6,174	15										
		4	3-5	10	2	591	3	1,496	4										
		8	6-10	2	0	386	2	891	2										
		13	11-15	3	1	262	2	688	2										
		18	16-20	0	0	69	0	159	0										
23	More than 20	1	0	132	1	286	1												
Total		448	100	17,260	100	41,064	100												
Estimated number of assigned pages of student writing.	wrpages <i>(Continuous variable, recorded and summed by NSSE from wrshort, wrmed, and wrlong. Values are estimated pages of assigned writing.)</i>									38.3	51.2 ***	-.17					68.7	74.7	-.06

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class	
				Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>				
<b>14. How much does your institution emphasize the following?</b>																							
a. Spending significant amounts of time studying and on academic work	empstudy	1	Very little	8	2	290	2	591	2	3.1	3.1	.04	7	2	866	2	3.1	3.2 **	-.13				
		2	Some	78	18	3,331	20	7,438	19											192	48	23,183	44
		3	Quite a bit	191	45	8,079	48	19,215	48											120	29	18,442	36
		4	Very much	143	34	5,030	30	12,535	32											402	100	51,635	100
		Total		420	100	16,730	100	39,779	100														
b. Providing support to help students succeed academically	SEacademic	1	Very little	29	7	924	6	1,622	5	2.9	2.9 *	-.12	29	7	3,147	6	2.8	2.8	-.06				
		2	Some	105	25	4,322	26	9,336	24											119	29	14,267	28
		3	Quite a bit	177	43	7,409	44	17,792	44											165	41	21,847	42
		4	Very much	108	25	4,031	24	10,920	28											89	22	12,278	24
		Total		419	100	16,686	100	39,670	100											402	100	51,539	100
c. Using learning support services (tutoring services, writing center, etc.)	SElearnsup	1	Very little	20	5	1,343	8	2,534	7	3.0	3.0	.02	44	11	5,353	11	2.7	2.8	-.02				
		2	Some	86	20	3,853	23	8,200	21											110	27	14,044	27
		3	Quite a bit	183	45	6,630	40	16,035	40											155	38	19,419	38
		4	Very much	130	30	4,831	29	12,873	33											94	24	12,664	25
		Total		419	100	16,657	100	39,642	100											403	100	51,480	100
d. Encouraging contact among students from different backgrounds (social, racial/ethnic, religious, etc.)	SEdiverse	1	Very little	50	12	2,169	13	4,190	11	2.6	2.7 ***	-.16	82	20	7,574	15	2.5	2.6 **	-.15				
		2	Some	150	36	5,153	31	11,560	29											122	30	15,896	31
		3	Quite a bit	150	36	5,797	35	14,414	36											129	32	16,617	32
		4	Very much	69	17	3,538	21	9,450	24											68	17	11,383	22
		Total		419	100	16,657	100	39,614	100											401	100	51,470	100
e. Providing opportunities to be involved socially	SEsocial	1	Very little	47	11	2,087	13	3,136	9	2.6	2.8 ***	-.19	41	10	4,646	10	2.8	2.8	-.02				
		2	Some	128	31	5,007	30	10,345	26											104	26	13,995	27
		3	Quite a bit	165	39	6,100	37	15,799	39											159	40	19,883	38
		4	Very much	80	18	3,441	21	10,295	26											96	24	12,877	25
		Total		420	100	16,635	100	39,575	100											400	100	51,401	100
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1	Very little	53	13	1,720	10	3,122	8	2.6	2.8 ***	-.27	68	17	6,179	12	2.5	2.7 ***	-.17				
		2	Some	137	33	4,929	30	10,384	26											128	32	14,876	29
		3	Quite a bit	153	37	6,314	38	15,859	40											131	33	18,537	36
		4	Very much	74	17	3,663	22	10,151	26											75	19	11,783	23
		Total		417	100	16,626	100	39,516	100											402	100	51,375	100
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1	Very little	149	35	4,763	29	9,478	25	1.9	2.2 ***	-.31	199	49	17,652	35	1.8	2.1 ***	-.29				
		2	Some	171	41	6,321	38	15,048	38											124	31	18,045	35
		3	Quite a bit	75	18	3,853	23	10,281	25											53	14	10,366	20
		4	Very much	21	5	1,656	10	4,660	12											25	6	5,257	10
		Total		416	100	16,593	100	39,467	100											401	100	51,320	100

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students										Senior Students											
		Frequency Distributions					Statistical Comparisons					Frequency Distributions					Statistical Comparisons						
		UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class					
Item wording or description	Variable name <sup>c</sup>	Values <sup>a</sup>	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>e</sup>			
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1	Very little	45	11	3,210	19	4,876	14	2.7	2.7	.02	45	11	7,651	15	2.8	2.6 ***	.21				
		2	Some	129	32	5,057	30	11,017	27											100	25	15,387	29
		3	Quite a bit	144	34	5,433	33	14,862	37											141	35	17,705	34
		4	Very much	98	23	2,899	17	8,700	22											113	28	10,544	21
		Total		416	100	16,599	100	39,455	100											399	100	51,287	100
i. Attending events that address important social, economic, or political issues	SEevents	1	Very little	90	22	3,625	22	7,089	19	2.3	2.4 *	-.11	88	22	11,244	23	2.3	2.3	-.01				
		2	Some	174	42	6,150	37	14,779	37											154	38	19,498	38
		3	Quite a bit	103	24	4,778	29	12,133	30											118	29	14,076	27
		4	Very much	50	12	3,050	12	5,462	13											41	11	6,497	13
		Total		417	100	16,603	100	39,463	100											401	100	51,315	100
<b>22. To what extent have the faculty and staff at your institution done a good job helping students adapt to the changes brought on by the COVID-19 pandemic?</b>																							
	covidexp	1	Very little	42	10	1,222	8	2.7	2.9 ***	-.18	45	11	1,672	8	2.7	2.9 ***	-.20						
		2	Some	116	28	3,830	23											115	29	5,133	23		
		3	Quite a bit	161	39	6,442	38											139	35	8,051	36		
		4	Very much	91	22	5,067	30											99	25	7,315	33		
		Total		410	100	16,561	100											398	100	22,171	100		

# Appendix C

“What Students & Institutions Do”

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	Frequency Distributions				Statistical Comparisons			Frequency Distributions				Statistical Comparisons				
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class	UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%

## WHAT STUDENTS & INSTITUTIONS DO

### 3. During the current school year, about how often have you done the following?

a. Talked about career plans with a faculty member	SFcareer	1	Never	116	23	4,518	23	9,816	22	<b>2.2</b>	2.2	-03	106	21	11,852	22	<b>2.4</b>	2.3	.04
		2	Sometimes	246	45	8,526	44	20,090	44				201	40	23,670	41			
		3	Often	117	22	4,138	22	10,301	22				101	20	12,983	22			
		4	Very often	55	10	2,064	11	5,188	11				90	18	9,112	16			
		Total		534	100	19,246	100	45,395	100				498	100	57,617	100			
b. Worked with a faculty member on activities other than coursework (committees, student groups, etc.)	SFotherwork	1	Never	313	59	10,485	55	23,260	53	<b>1.6</b>	1.7 ***	-0.16	220	44	25,251	45	<b>1.9</b>	1.9	.01
		2	Sometimes	147	27	5,385	28	13,422	29				149	31	17,524	30			
		3	Often	54	10	2,266	12	5,854	12				70	14	8,806	15			
		4	Very often	17	3	984	5	2,552	6				51	10	5,796	10			
		Total		531	100	19,120	100	45,088	100				490	100	57,377	100			
c. Discussed course topics, ideas, or concepts with a faculty member outside of class	SFdiscuss	1	Never	222	43	8,032	42	16,597	38	<b>1.8</b>	1.9 ***	-0.15	144	29	17,863	32	<b>2.1</b>	2.1	.03
		2	Sometimes	212	40	7,056	37	17,880	40				208	43	23,119	40			
		3	Often	65	13	2,775	15	7,376	16				85	18	10,708	19			
		4	Very often	20	4	1,070	6	2,785	6				49	10	5,286	9			
		Total		519	100	18,933	100	44,638	100				486	100	56,976	100			
d. Discussed your academic performance with a faculty member	SFperform	1	Never	132	25	6,012	32	13,575	31	<b>2.0</b>	2.0	.01	160	33	16,196	29	<b>2.0</b>	2.1 *	-0.09
		2	Sometimes	271	52	8,445	45	19,907	44				209	43	24,973	44			
		3	Often	95	18	3,317	18	8,175	18				81	17	10,800	19			
		4	Very often	21	4	1,165	6	3,009	7				34	7	5,005	9			
		Total		519	100	18,939	100	44,666	100				484	100	56,974	100			

### 10. During the current school year, to what extent have your courses challenged you to do your best work?

challenge	1	Not at all	3	1	180	1	356	1	<b>5.3</b>	5.3	-03	679	1	<b>5.3</b>	5.4	-08
	2		6	2	294	2	535	1				997	2			
	3		23	5	1,030	6	2,240	6				2,940	6			
	4		67	15	2,408	14	5,280	13				6,499	12			
	5		155	35	5,774	34	14,023	34				15,693	30			
	6		99	23	4,100	24	10,146	25				12,644	24			
	7	Very much	84	19	3,242	19	7,863	20				12,891	25			
	Total		437	100	17,028	100	40,443	100				52,343	100			



# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students						Senior Students										
		Frequency Distributions				Statistical Comparisons		Frequency Distributions				Statistical Comparisons						
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class		
				Count	%	Count	%	Count	%	Mean	Mean size <sup>e</sup>	Count	%	Count	%	Mean	Mean size <sup>e</sup>	
<b>11. Which of the following have you done or do you plan to do before you graduate?<sup>f</sup></b>																		
a.	Participate in an internship, co-op, field experience, student teaching, or clinical placement	intern	Have not decided Do not plan to do Plan to do Done or in progress Total	58 17 339 21 435	14 4 78 5 100	2,220 871 12,972 934 16,997	13 5 76 5 100	4,456 1,845 31,359 2,717 40,377	12 5 77 7 100	5%	7%	-09	41 76 78 214 409	10 19 19 52 100	5,010 8,081 13,571 25,628 52,290	10 16 26 48 100	52%	.5 .08
b.	Hold a formal leadership role in a student organization or group	leader	Have not decided Do not plan to do Plan to do Done or in progress Total	131 113 154 37 435	31 26 34 9 100	4,731 3,653 7,035 1,541 16,959	28 22 41 9 100	10,484 8,273 17,454 4,078 40,289	26 21 43 10 100	9%	10%	-04	19 206 20 163 408	5 51 5 40 100	5,876 22,238 4,804 19,285 52,203	11 43 9 36 100	40%	.4 .07
c.	Participate in a learning community or some other formal program where groups of students take two or more classes together	learncom	Have not decided Do not plan to do Plan to do Done or in progress Total	134 137 85 74 430	31 32 20 17 100	5,767 4,140 5,243 1,758 16,908	34 24 31 10 100	11,927 11,094 11,290 5,869 40,180	30 28 27 15 100	17%	15%	.07	29 252 20 109 410	7 62 5 27 100	6,948 28,000 5,302 11,767 52,017	13 54 10 22 100	27%	.2 * .10
d.	Participate in a study abroad program	abroad	Have not decided Do not plan to do Plan to do Done or in progress Total	133 92 199 6 430	32 23 44 1 100	4,754 4,333 7,546 277 16,910	28 26 45 2 100	10,671 9,909 18,698 881 40,159	27 26 44 2 100	1%	2%	-07	25 279 34 72 410	6 68 8 17 100	5,894 33,936 4,338 7,889 52,057	11 66 8 15 100	17%	.1 .07
e.	Work with a faculty member on a research project	research	Have not decided Do not plan to do Plan to do Done or in progress Total	174 89 147 20 430	41 20 34 5 100	6,306 3,749 6,169 692 16,916	37 22 36 4 100	14,080 8,342 15,762 1,996 40,180	36 21 39 5 100	5%	5%	-02	40 177 55 139 411	10 43 13 34 100	7,717 25,184 6,786 12,339 52,026	15 48 13 24 100	34%	.2 *** .23
f.	Complete a culminating senior experience (capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.)	capstone	Have not decided Do not plan to do Plan to do Done or in progress Total	158 46 224 1 429	37 11 52 0 100	6,125 1,828 8,631 306 16,890	36 11 51 2 100	13,837 4,328 21,224 770 40,159	35 11 53 2 100	0%	2% **	-19	34 96 78 203 411	8 23 18 51 100	5,167 12,918 12,677 21,267 52,029	10 25 25 41 100	51%	.4 *** .20

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students								Senior Students											
		Frequency Distributions				Statistical Comparisons				Frequency Distributions				Statistical Comparisons							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville			Carnegie Class			UT Knoxville			Carnegie Class		
				Count	%	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Count	%	Count	%	Mean	Mean	size <sup>e</sup>		
										Effect							Effect				
<b>12. About how many of your courses at this institution have included a community-based project (service-learning)?</b>																					
	servcourse	1	None	247	58	9,908	59	22,259	56	<b>1.5</b>	1.5 *	-09	180	44	23,223	46	<b>1.6</b>	1.7	-03		
		2	Some	160	38	5,801	35	14,932	37				203	50	23,579	45					
		3	Most	15	4	882	5	2,261	5				25	6	4,028	7					
		4	All	1	0	199	1	476	1				1	0	990	2					
			Total	423	100	16,790	100	39,928	100				409	100	51,820	100					
<b>13. Indicate the quality of your interactions with the following people at your institution.</b>																					
a.	Students	Q1student	1	Poor	12	3	486	3	786	2	<b>5.0</b>	5.3 ***	-21	7	2	793	2	<b>5.4</b>	5.5	-06	
			2		18	4	584	3	955	3				12	3	992	2				
			3		28	7	1,155	7	2,115	6				20	5	2,295	5				
			4		68	16	2,293	14	4,822	12				39	9	5,314	10				
			5		121	28	4,316	26	10,772	26				116	28	12,800	24				
			6		101	23	4,229	25	11,216	28				111	27	14,585	28				
			7	Excellent	65	16	3,275	19	8,703	22				101	26	14,215	28				
			—	Not applicable	13	3	469	3	598	2	1	0	852	2							
				Total	426	100	16,807	100	39,967	100	407	100	51,846	100							
b.	Academic advisors	Q1advisor	1	Poor	11	3	513	3	1,040	3	<b>5.4</b>	5.3	.03	18	4	2,539	5	<b>5.2</b>	5.1	.04	
			2		7	2	734	4	1,518	4				21	5	2,727	5				
			3		32	7	1,179	7	2,707	7				29	7	4,073	8				
			4		60	14	2,132	13	5,181	13				58	14	6,855	13				
			5		94	22	3,277	20	8,424	21				82	20	9,830	19				
			6		93	22	3,638	22	9,003	23				69	18	9,990	19				
			7	Excellent	126	30	5,021	30	11,199	29				130	32	15,076	30				
			—	Not applicable	3	1	295	2	836	2	0	0	725	1							
				Total	426	100	16,789	100	39,908	100	407	100	51,815	100							
c.	Faculty	Q1faculty	1	Poor	8	2	412	2	692	2	<b>5.1</b>	5.3 **	-13	9	2	980	2	<b>5.2</b>	5.4	-10	
			2		9	2	540	3	1,010	3				10	2	1,294	3				
			3		30	7	1,076	6	2,294	6				31	8	2,789	5				
			4		68	16	2,481	15	5,648	14				62	15	6,710	13				
			5		143	34	4,375	26	10,958	27				110	27	13,223	25				
			6		100	24	4,461	27	11,228	28				94	23	14,332	28				
			7	Excellent	62	14	3,041	18	7,371	19				90	22	11,902	24				
			—	Not applicable	6	1	405	2	700	2	1	0	537	1							
				Total	426	100	16,791	100	39,901	100	407	100	51,767	100							

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students										Senior Students																			
		Frequency Distributions					Statistical Comparisons					Frequency Distributions					Statistical Comparisons														
Item wording or description	Variable name <sup>e</sup>	Values <sup>d</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville			Carnegie Class			UT Knoxville		Carnegie Class		UT Knoxville			Carnegie Class								
				Count	%	Count	%	Count	%	Count	%	Mean	Mean	size <sup>f</sup>	Count	%	Count	%	Mean	Mean	size <sup>f</sup>	Count	%	Count	%						
d. Student services staff (career services, student activities, housing, etc.)	Qlstaff	1	Poor	18	4	689	4	1,260	3	5.0	5.1	-.04	23	6	2,265	4	4.9	4.9	-.03	25	6	783	5	1,510	4						
		2		22	5	1,226	7	2,712	7							38				9	3,772	7				22	5	1,226	7	2,712	7
		3		48	11	2,331	14	5,636	14							53				13	6,983	13				48	11	2,331	14	5,636	14
		4		91	22	3,375	20	8,884	22							71				17	9,873	19				91	22	3,375	20	8,884	22
		5		101	24	3,112	19	8,403	21							76				19	8,962	17				101	24	3,112	19	8,403	21
		6		67	16	2,888	17	7,193	18							78				20	8,852	18				67	16	2,888	17	7,193	18
		7	Excellent	54	13	2,376	14	4,299	12							46				11	8,703	17				54	13	2,376	14	4,299	12
		—	Not applicable	426	100	16,780	100	39,897	100				76	19	8,962	17				—	Not applicable	426	100	16,780	100	39,897	100				
			Total										20	5	745	4															
e. Other administrative staff and offices (registrar, financial aid, etc.)	Qladmin	1	Poor	20	5	745	4	1,424	4	4.8	4.9	-.06	25	6	2,786	5	4.7	4.8	-.05	19	5	823	5	1,696	4						
		2		21	5	1,373	8	3,006	7							21				5	2,806	5				21	5	823	5	1,696	4
		3		78	18	3,595	15	6,167	15							48				12	4,396	8				78	18	3,595	15	6,167	15
		4		97	23	3,512	21	8,851	22							58				15	8,037	15				97	23	3,512	21	8,851	22
		5		87	20	3,089	18	7,872	20							76				19	10,678	21				87	20	3,089	18	7,872	20
		6		56	13	2,615	16	6,384	16							75				19	9,353	18				56	13	2,615	16	6,384	16
		7	Excellent	46	11	2,033	12	4,512	12							68				17	8,846	18				46	11	2,033	12	4,512	12
		—	Not applicable	424	100	16,785	100	39,912	100				34	8	4,889	10				—	Not applicable	424	100	16,785	100	39,912	100				
			Total										405	100	51,752	100															
17. Of the time you spend preparing for class in a typical 7-day week, about how much is on assigned reading?																															
	reading	1	Very little	76	19	2,226	14	5,361	14	2.4	2.6 ***	-.19	63	16	8,487	18	2.7	2.7	-.02	178	44	6,256	38	14,762	38						
		2	Some	89	20	4,565	28	10,683	27							129				33	15,811	31				89	20	4,565	28	10,683	27
		3	About half	57	14	2,554	15	6,220	15							104				26	12,888	25				57	14	2,554	15	6,220	15
		4	Most	13	3	878	5	2,131	5							73				18	9,482	18				13	3	878	5	2,131	5
		5	Almost all	413	100	16,479	100	39,157	100							27				6	4,368	8				413	100	16,479	100	39,157	100
			Total										396	100	51,036	100															
	tmreadinghrs									6.4	6.7	-.05					7.4	6.9	.08												
(Continuous variable created by NSSE. Calculated as a proportion of tmprephrs based on reading, where Very little=.10; Some=.25;																															

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students								Senior Students										
		Frequency Distributions				Statistical Comparisons				Frequency Distributions				Statistical Comparisons						
Item wording or description	Variable name <sup>c</sup>	Values <sup>a</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville		Carnegie Class				
				Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%			
										Effect						Effect				
										Mean	Mean	size <sup>e</sup>					Mean	Mean	size <sup>e</sup>	
	tmreadinghrscol <i>(Collapsed version of tmreadinghrs created by NSSE.)</i>	1	0 hrs	2	1			150	0				Count	%	Count	%	Mean	Mean	size <sup>e</sup>	
		2	More than zero, up to 5 hrs	197	49			19,454	51				1	0	213	0				
		3	More than 5, up to 10 hrs	144	34			11,785	30				183	47	25,329	50				
		4	More than 10, up to 15 hrs	32	7			3,845	10				109	27	14,518	28				
		5	More than 15, up to 20 hrs	16	4			2,076	5				48	12	4,959	9				
		6	More than 20, up to 25 hrs	15	4			1,265	3				36	9	2,825	6				
		7	More than 25 hrs	4	1			464	1				14	4	1,956	4				
			Total	410	100			39,039	100				4	1	1,057	2				
													395	100	50,857	100				
<b>18. How much has your experience at this institution contributed to your knowledge, skills, and personal development in the following areas?</b>																				
a.	Writing clearly and effectively	pgwrite	1	Very little	55	14	1,440	9	3,559	10	<b>2.5</b>	2.7 *** -18	▽	30	8	3,285	7	<b>2.9</b>	2.9	-.01
			2	Some	143	35	5,094	31	12,034	31				94	24	11,944	24			
			3	Quite a bit	154	37	6,725	41	15,974	40				148	37	19,937	38			
			4	Very much	59	14	3,211	19	7,561	19				125	31	15,878	31			
			Total		411	100	16,470	100	39,128	100				397	100	51,044	100			
b.	Speaking clearly and effectively	pgspeak	1	Very little	90	23	2,503	15	5,648	16	<b>2.3</b>	2.5 *** -25	▽	34	9	4,091	9	<b>2.9</b>	2.9	.00
			2	Some	154	37	5,477	33	12,992	33				105	27	12,730	25			
			3	Quite a bit	121	29	5,631	34	13,687	34				135	34	19,018	37			
			4	Very much	46	11	2,846	17	6,755	17				123	31	15,138	29			
			Total		411	100	16,457	100	39,082	100				397	100	50,977	100			
c.	Thinking critically and analytically	pgthink	1	Very little	26	7	691	4	1,396	4	<b>2.9</b>	3.0 ** -15	▽	10	3	1,183	3	<b>3.3</b>	3.3	.09
			2	Some	98	24	3,456	21	7,949	20				46	12	6,791	13			
			3	Quite a bit	172	41	7,425	45	17,733	45				137	34	19,574	38			
			4	Very much	115	28	4,879	30	11,997	31				205	52	23,450	46			
			Total		411	100	16,451	100	39,075	100				398	100	50,998	100			
d.	Analyzing numerical and statistical information	pganalyze	1	Very little	44	10	1,777	11	3,985	10	<b>2.7</b>	2.7	.01	26	6	4,192	8	<b>3.0</b>	3.0	.04
			2	Some	115	27	4,822	29	11,222	29				91	22	11,757	22			
			3	Quite a bit	163	40	4,303	38	14,960	38				138	35	17,511	34			
			4	Very much	89	22	3,543	22	8,889	23				142	37	17,532	36			
			Total		411	100	16,445	100	39,056	100				397	100	50,992	100			

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

### First Year Students

### Senior Students

Item wording or description	Variable name <sup>e</sup>	Values <sup>d</sup>	Response options	Frequency Distributions						Statistical Comparisons			Frequency Distributions						Statistical Comparisons							
				UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class		UT Knoxville	Carnegie Class		UT Knoxville		Carnegie Class				
				Count	%	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Count	%	Count	%	Mean	Mean	size <sup>e</sup>	Count	%	Count	%	Mean	Mean	size <sup>e</sup>
e. Acquiring job- or work-related knowledge and skills	pgwork	1	Very little	106	26	2,807	17	5,837	16	2.3	2.5 ***	-.27	41	10	4,791	10	2.9	2.9	.03	96	25	12,575	25	2.9	2.9	.03
		2	Some	134	32	5,499	33	12,906	33				119	29	17,307	33				142	36	16,306	32			
		3	Quite a bit	113	28	5,391	33	13,313	34				24	6	2,438	5				77	19	10,592	21			
		4	Very much	55	14	2,760	17	7,028	18				155	39	19,984	38				142	36	17,953	35			
		Total	408	100	16,457	100	39,084	100	398				100	50,979	100	398				100	50,967	100				
f. Working effectively with others	pgothers	1	Very little	58	14	2,004	12	3,473	10	2.6	2.7 ***	-.18	74	19	5,905	13	3.0	3.0	.01	103	26	13,154	26	3.0	3.0	.01
		2	Some	138	34	5,085	31	11,405	30				109	27	17,318	33				111	28	14,565	28			
		3	Quite a bit	142	34	6,189	38	15,624	39				111	28	14,565	28				397	100	50,942	100			
		4	Very much	73	18	3,180	19	8,593	21				59	16	4,593	10				107	27	12,831	26			
		Total	411	100	16,458	100	39,095	100	130				32	17,719	34	100				25	15,838	30				
g. Developing or clarifying a personal code of values and ethics	pgvalues	1	Very little	92	23	2,390	15	5,108	15	2.4	2.7 ***	-.31	107	27	12,831	26	2.7	2.8 ***	-.19	130	32	17,719	34	2.7	2.8 ***	-.19
		2	Some	149	36	5,165	31	11,855	30				100	25	15,838	30				396	100	50,981	100			
		3	Quite a bit	117	28	5,936	36	14,452	36				44	11	4,478	9				87	22	13,424	26			
		4	Very much	52	13	2,954	18	7,627	19				130	32	17,719	34				100	25	15,838	30			
		Total	410	100	16,445	100	39,042	100	396				100	50,981	100	396				100	50,981	100				
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgdiverse	1	Very little	79	20	1,824	11	3,696	11	2.4	2.6 ***	-.30	130	32	17,719	34	2.7	2.8 ***	-.19	100	25	15,838	30	2.7	2.8 ***	-.19
		2	Some	124	31	4,911	30	11,141	29				107	27	12,831	26				130	32	17,719	34			
		3	Quite a bit	143	34	6,036	37	14,781	37				107	27	12,831	26				107	27	12,831	26			
		4	Very much	65	15	3,684	22	9,452	24				44	11	4,478	9				87	22	13,424	26			
		Total	411	100	16,455	100	39,070	100	130				32	17,719	34	100				25	15,838	30				
i. Solving complex real-world problems	pgprobsolve	1	Very little	73	19	2,177	13	4,507	13	2.4	2.7 ***	-.31	107	27	12,831	26	2.7	2.8 ***	-.19	100	25	15,838	30	2.7	2.8 ***	-.19
		2	Some	144	34	5,612	34	12,902	33				100	25	15,838	30				396	100	50,981	100			
		3	Quite a bit	133	32	5,768	35	14,068	35				44	11	4,478	9				87	22	13,424	26			
		4	Very much	60	15	2,893	18	7,601	19				130	32	17,719	34				100	25	15,838	30			
		Total	410	100	16,450	100	39,078	100	396				100	50,981	100	396				100	50,981	100				
j. Being an informed and active citizen	pgcitizen	1	Very little	89	23	2,138	13	4,846	13	2.4	2.6 ***	-.19	130	32	17,719	34	2.9	2.8	.06	134	34	14,652	29	2.9	2.8	.06
		2	Some	154	37	5,422	33	12,744	33				130	32	17,719	34				100	25	15,838	30			
		3	Quite a bit	112	26	5,830	35	13,891	35				44	11	4,478	9				87	22	13,424	26			
		4	Very much	56	14	3,075	19	7,634	19				130	32	17,719	34				100	25	15,838	30			
		Total	411	100	16,465	100	39,115	100	130				32	17,719	34	100				25	15,838	30				
k. Being an informed and active citizen	pgcitizen	1	Very little	89	23	2,138	13	4,846	13	2.3	2.6 ***	-.30	130	32	17,719	34	2.6	2.7 *	-.11	134	34	14,652	29	2.6	2.7 *	-.11
		2	Some	154	37	5,422	33	12,744	33				130	32	17,719	34				100	25	15,838	30			
		3	Quite a bit	112	26	5,830	35	13,891	35				44	11	4,478	9				87	22	13,424	26			
		4	Very much	56	14	3,075	19	7,634	19				130	32	17,719	34				100	25	15,838	30			
		Total	411	100	16,465	100	39,115	100	130				32	17,719	34	100				25	15,838	30				

# NSSE 2021 Frequencies and Statistical Comparisons

## The University of Tennessee, Knoxville

		First Year Students								Senior Students											
		Frequency Distributions				Statistical Comparisons				Frequency Distributions				Statistical Comparisons							
Item wording or description	Variable name <sup>c</sup>	Values <sup>d</sup>	Response options	UT Knoxville		Carnegie Class 2021 only		Carnegie Class		UT Knoxville			Carnegie Class			UT Knoxville			Carnegie Class		
				Count	%	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>	Count	%	Count	%	Mean	Mean	Effect size <sup>e</sup>		
<b>19. How would you evaluate your entire educational experience at this institution?</b>																					
	evalexp	1	Poor	21	5	569	3	939	3	<b>2.8</b>	3.1 ***	-0.33	15	4	1,522	3	<b>3.1</b>	3.2	-0.10		
		2	Fair	101	25	3,032	18	5,981	16				65	16	6,924	14					
		3	Good	202	49	8,582	52	20,253	50				183	46	23,465	45					
		4	Excellent	84	20	4,309	26	12,062	31				132	34	19,269	38					
			Total	408	100	16,492	100	39,235	1				395	100	51,180	100					
<b>20. If you could start over again, would you go to the same institution you are now attending?</b>																					
	sameinst	1	Definitely no	17	4	468	3	1,127	3	<b>3.1</b>	3.2 **	-0.15	14	3	2,280	5	<b>3.2</b>	3.2	-0.06		
		2	Probably no	55	13	2,088	13	4,802	12				70	18	6,504	12					
		3	Probably yes	209	52	7,770	47	17,919	45				156	38	21,077	40					
		4	Definitely yes	128	31	6,194	37	15,530	39				157	40	21,474	42					
			Total	409	100	16,520	100	39,378	100				397	100	51,335	100					