

## NSSE 2021 Topical Module Report Experiences with Information Literacy

Tennessee Technological University

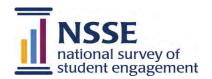
Developed in collaboration with college and university librarians, this module asks students about their use of information and how much their instructors emphasized the proper use of information sources. This module complements questions on the core survey about higher-order learning and how much writing students do.

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## Frequencies and Statistical Comparisons Tennessee Technological University

Processor   Proc					Frequency Dis		stributio Informatio Literacy	on	Statistical Co	Information Literacy	
1. Durling the current school year, about how often have your done the following?  a. Completed an assignment that used an information source (note).  IND 10 1 Never 9 25 77 197 33 1.366 25 100 100 100 100 100 100 100 100 100 10	Mana considir a su describir a		Mada - 5	O	Count	0/	Count	0/	Mana	. d	
a. Completed an assignment that used an information source (book, articke, website, etc.) other than required course readings an information source (book, articke, website, etc.) other than required course readings are formed in NSSE 2020.)  b. Worsde on a paper or project that and unality samples such as an outline, amontande bibliography, rough draft, etc. bibliography, rough draft, etc. bibliography, rough draft, etc. bibliography, rough card, etc. bibliogr					Count	70	Count	70	weun	Mean 3126	
An information source (conder since article, whether, etc.) other than required course readings   10   10   10   10   10   10   10   1				•	26	7	197	3			
artick, website, etc.) other than required coanse readings earlied coanse readings are futured to ANSE 2020.)  b. Worked on a paper or project that had multiple smaller assignments such as an outline, amontand bibliography, rough druft, etc. bibliograph		nveoru									
No.									2.8	3.0 *** 26	
Note   10   10   10   10   10   10   10   1	required course readings								2.0		
Manufatiple smaller assignments such as an outline. amortated bibliography, rough draft, etc.   Manufatiple smaller assignment such as in outline. amortated bibliography, rough draft, etc.   Manufatiple smaller assignment such as in outline.   Manufatiple smaller assignment such as in outline.   Manufatiple smaller assignment such as in outline.   Manufatiple smaller assignment such as information resources (course selection, perport relation, etc.)   Manufatiple smaller assignment such assignment that used the bibarty's electronic collection of articles, books, and journals (Comparison source in a course assignment due to its questionable quality   Manufatiple smaller		10 NSSE 2020.)			361	100	5,903	100		*	
Sometimes   Some	b. Worked on a paper or project that	INL01b	1	Never	53	15	261	6			
bibliography, rough draft, etc.   data are limited to NSSE 2020.] 4   Very often   19   \$4   2.537   \$9   \$2.5   \$2.9   \$1.42   \$1.50			2	Sometimes	127	35	1,475	27			
NSSE 2020.1   4   Very often   62   17   1.827   29	,		3	Often	119	34	2,337	39	2.5	2.9 ***42	
C. Received feedback from an instructor that improved your use of information resources (conges selection, proper citation, etc.)   Comparison data are limited to INSEE 2020.   4   Very often   123   33   1.555   24	bibliography, rough draft, etc.		4	Very often	62	17	1,827	29		▼	
Sometimes of information resources (source selection, proper citation, etc.)   Comparison of information resources (source selection, proper citation, etc.)   Comparison of a selection of control to the library's electronic collection of a selection of a selection of a selection of control to selection of a selection of				Total	361	100	5,900	100			
of information resources (source selection, proper citation, etc.) eselection, proper citation, etc.) eselection, proper citation, etc.) eselection of a content of the bitrary's electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary's electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary's electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary's electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary's electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary of the bitrary is electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary is electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary is electronic collection of articles, books, and journals (JSTOR, EBSCO, LexisNexis, ProQuest, etc.) esembly of the bitrary is electronic collection of articles, properties, and the properties of the bitrary is electronic properties and the properties of the bitrary is electronic properties and the properties of the bitrary is electronic properties and the properties of the bitrary is electronic properties and the properties of t	c. Received feedback from an	INL01c	1	Never	40	11	306	6			
Additional proper citation, etc.)   Additional proper citation,		(Compositoria	2	Sometimes	117	33	1,551	28			
d. Completed an assignment that used the library's electronic collection of articles, books, and journals (Comparison data are limited to its questionable quality  f. Changed the focus of a paper or project based on information out found while researching the topic of are freenece that was cited in something you read field follows. Total  p. Looked for a reference that was cited in something you read field of study  h. Identified how a book, article, or creative work has contributed to a field of study  i. Considered the credibility of an information of the control of			3	Often	123	33	2,483	41	2.7	2.8 **18	
d. Completed an assignment that used the library's electronic collection of articles, books, and journals of Comparison data are limited to list questionable quality  e. Decided not to use an information source in a course assignment due to its questionable quality  f. Changed the focus of a paper or project based on information you found while researching the topic (Comparison data are limited to NSSE 2020.)  g. Looked for a reference that was cited in something you read  h. Identified how a book, article, or creative work has contributed to a field of study  h. Identified how a book, article, or creative work has contributed to a field of study    Comparison data are limited to NSSE 2020.)   A very often   142   40   1.091   20     2 Sometimes   158   16   1.707   28   1.9     2 Sometimes   150   42   2.352   41     2 Sometimes   150   42   2.352   41     2 Sometimes   150   42   2.352   41     3 Often   59   16   1.395   23     4 Very often   25   7   543   9     5 Often   78   22   1.830   29     5 Often   78   22   1.830   29     6 Other   78   22   1.830   29     7 Otal   360   100   5.889   100     8 Looked for a reference that was cited in something you read   100   100   100     6 Other   100   100   100   100     7 Other   100   100   100   100     8 Other   100   100   100   100     9 Other   100   100   100   100     1 Other	selection, proper changin, etc.)		4	Very often	81	23	1,555	24		$\nabla$	
## Description collection of articles, books, and journals (ISTOR, EBSCO, LexisNexis, ProQuest, etc.)  ## Decided not to use an information source in a course assignment due to its questionable quality of interest of the property of the to its questionable quality of the property of the to its questionable quality of the property o				Total	361	100	5,895	100			
Comparison   Com			1	Never	142	40	1,091	20			
OSTOR, EBSCO, LexisNexis, ProQuest, etc.)   10   10   11   11   12   13   14   18   18   14   18   18   14   18   18	3		2	Sometimes	127	35	1,945	34			
E. Decided not to use an information source in a course assignment due to its questionable quality of the total search in the course of a course assignment due to its questionable quality of the course of a paper or project based on information found while researching the topic of the course of a paper or project based on information you found while researching the topic of the course of a reference that was cited in something you read (Comparison data are limited to NSSE 2020.)  B. Looked for a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something to the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of a reference that was cited in something you read (Comparison of the course of the			3	Often	58		1,707	28	1.9	2.4 ***49	
C. Decided not to use an information source in a course assignment due to its questionable quality   Comparison data are limited to NSSE 2020.   4   Very often   25   Total	ProQuest, etc.)	to NSSE 2020.)	4	•	34	9	1,154	18		▼	
Source in a course assignment due to its questionable quality to its questionable questionable quality to its qu											
to its questionable quality		INL01e									
A very often   Sy   16   1,9%   23   1,9%   21   1   1   1   1   1   1   1   1		(Comparison									
Total   361   100   5,889   100									1.9		
F. Changed the focus of a paper or project based on information you found while researching the topic form of the total are limited to NSSE 2020.)   Comparison data are limited to NSSE 20		to NSSE 2020.)	4	•						$\nabla$	
project based on information you found while researching the topic data are limited data are limited to NSSE 2020.)  g. Looked for a reference that was cited in something you read  lin Identified how a book, article, or creative work has contributed to a field of study  h. Identified how a book, article, or creative work has contributed to a field of study  i. Considered the credibility of an information source    Comparison data are limited to NSSE 2020.)   A very often   A very o	6 (1)	DW 016									
found while researching the topic found while researching the very often found while researching the topic found while researching the very often form of the very often found while researching the very often form of the very often found while researching the very often found while researching the very often form of the very often found while researching the very often form of the very often found while researching the very often form of the very often found while researching the very often form of the very often		INLUIT									
Comparison data are limited to NSSE 2020.)   4   Very often   34   10   702   11		(Comparison							2.2		
Total   360   100   5,889   100							,		2.2		
g. Looked for a reference that was cited in something you read    Comparison data are limited to NSSE 2020.)   4   Very often   44   12   856   14		to NSSE 2020.)	+							<b>V</b>	
cited in something you read  (Comparison data are limited to NSSE 2020.)	g. Looked for a reference that was	INI 01 a	1								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	11,12015									
to NSSE 2020.) 4 Very often 44 12 856 14  Total 361 100 5,889 100  h. Identified how a book, article, or creative work has contributed to a field of study (Comparison data are limited to NSSE 2020.) 4 Very often 39 11 780 13  i. Considered the credibility of an information source (Comparison data are limited to NSSE 2020.) 4 Very often 39 11 286 5  i. Considered the credibility of an information source (Comparison data are limited to NSSE 2020.) 4 Very often 69 19 1,541 26									2.3	24** - 14	
Total   361 100   5,889 100									2.0		
h. Identified how a book, article, or creative work has contributed to a field of study       INLO1h       1       Never       100       27       1,021       18         6 field of study       (Comparison data are limited to NSSE 2020.)       3       Often       73       20       1,888       31         1       Very often       39       11       780       13         1       Total       359       100       5,888       100         2       Sometimes       122       34       1,611       28         3       Often       132       37       2,442       40         4       Very often       69       19       1,541       26		10 NSSE 2020.)								•	
field of study $\begin{pmatrix} (Comparison \\ data \ are \ limited \\ to \ NSSE \ 2020.) \end{pmatrix}$ 3 Often $\begin{pmatrix} 73 & 20 \\ 4 & \text{Very often} \end{pmatrix}$ 1 1 780 13 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 1 2.4 ***25 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 1 2.4 ***25 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 1 2.4 ***25 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 1 2.4 ***25 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 1 2.4 ***25 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 2.9 ***26 $\begin{pmatrix} 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \\ 75 & 75 \end{pmatrix}$ 2 2.9 ***26 $\begin{pmatrix} 75 & 75 \\ 7$	h. Identified how a book, article, or	INL01h	1	Never	100	27					
field of study $\begin{pmatrix} (Comparison \\ data \ are \ limited \\ to \ NSSE \ 2020.) \end{pmatrix}$ $\begin{pmatrix} 3 & Often \\ 4 & Very \ often \\ & & & & & & & & & & & & & & & & & & $											
to NSSE 2020.) 4 Very often 39 11 780 13  Total 359 100 5,888 100  i. Considered the credibility of an INL01i 1 Never 36 10 286 5 information source 2 Sometimes 122 34 1,611 28  (Comparison data are limited to NSSE 2020.) 4 Very often 69 19 1,541 26   V ∨ Very often 39 11 780 13  ∇  2 Sometimes 122 34 1,611 28  3 Often 132 37 2,442 40  ▼ 2.9 ***26  ▼	field of study		3	Often	73	20			2.1	2.4 ***25	
Total 359 100 5,888 100  i. Considered the credibility of an INL01i 1 Never 36 10 286 5 information source 2 Sometimes 122 34 1,611 28 (Comparison data are limited to NSSE 2020.) 4 Very often 69 19 1,541 26  Total 359 100 5,888 100  2 86 5  2 9 8 7 2.9 ***26			4	Very often	39	11			-		
information source $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				Total	359	100	5,888	100			
(Comparison data are limited to NSSE 2020.)       3 Often       132 37 2,442 40 2.7       2.9 ***26 $69$ 19 1,541 26 $\nabla$	i. Considered the credibility of an	INL01i	1	Never	36	10	286	5			
data are limited       3 Often       132 37 2,442 40       2.7 2.9 ***26         to NSSE 2020.)       4 Very often       69 19 1,541 26 $\nabla$	information source		2	Sometimes	122	34	1,611	28			
to NSSE 2020.) 4 Very often 69 19 1,541 26 $\nabla$			3	Often	132	37	2,442	40	2.7	2.9 ***26	
Total 250 100 5 990 100			4	Very often	69	19	1,541	26		$\nabla$	
1000 3,880 100				Total	359	100	5,880	100			



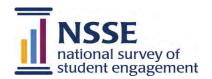
## Frequencies and Statistical Comparisons Tennessee Technological University

				Frequen Tennessee		stributio Informatio Literacy	on	Statistical Co	ompari Inform Litera	ation
	Variable				-,					Effect size <sup>d</sup>
i. Verified an information source by	name INL01j	Values <sup>c</sup>	Response options Never	Count 56	% 15	Count 640	% 11	Mean	Mean	size
comparing it to other sources	INLOIJ	2	Sometimes	133	38	1,934	34			
	(Comparison	3	Often		31			2.5		
	data are limited			112		2,194	36	2.5	2.6 **	16
	to NSSE 2020.)	4	Very often Total	56 357	16 100	1,096	19		$\nabla$	
k. Identified information that was	INL01k	1	Never	60	17	5,864	100			
biased, misleading, or deceptive	INLUIK	2	Sometimes	150	42	2,193	38			
	(Comparison	3	Often	101	28	2,193	34	2.4		
	data are limited							2.4	2.6 ***	22
	to NSSE 2020.)	4	Very often	47	13	1,001	17		$\nabla$	
1 77 1:0	777.011		Total	358	100	5,870	100			
Used information you found on social media in a paper or project	INL011	1	Never	224	63	2,927	51			
social media in a paper or project	(Comparison	2	Sometimes	84	23	1,538	26	4.6		
	data are limited	3	Often	31	9	977	16	1.6	1.8 ***	24
	to NSSE 2020.)	4	Very often	20	5	432	7		$\nabla$	
			Total	359	100	5,874	100			
m. Combined information found on	INL01m	1	Never	208	58	2,685	47			
social media with other sources	(Comparison	2	Sometimes	93	26	1,633	28			
	data are limited	3	Often	37	10	1,117	18	1.6	1.9 ***	23
	to NSSE 2020.)	4	Very often	22	6	440	7		$\nabla$	
			Total	360	100	5,875	100			
2. During the current school year,	how much have	your in	structors emphasized t	he following?						
a. Not plagiarizing another author's	INL02a	1	Very little	9	3	130	2			
work		2	Some	29	8	486	8			
	(Comparison data are limited	3	Quite a bit	85	24	1,268	21	3.5	3.5	04
	to NSSE 2020.)	4	Very much	237	65	3,990	68			
	,		Total	360	100	5,874	100			
b. Appropriately citing the sources	INL02b	1	Very little	9	3	106	2			
used in a paper or project		2	Some	55	15	548	10			
	(Comparison	3	Quite a bit	106	32	1,570	27	3.3	3.5 ***	21
	data are limited to NSSE 2020.)	4	Very much	189	51	3,643	61		<b>▽</b>	
	10 11352 20201)		Total	359	100	5,867	100		•	
c. Using scholarly or peer-reviewed	INL02c	1	Very little	31	8	203	4			
sources in your course assignments		2	Some	71	20	756	14			
	(Comparison	3	Quite a bit	103	29	1,719	30	3.0	3.3 ***	31
	data are limited to NSSE 2020.)	4	Very much	154	42	3,185	53	5.0	<b>▼</b>	51
	10 NSSE 2020.)		Total	359	100	5,863	100		•	
d. Questioning the quality of	INL02d	1	Very little	35	10	278	5			
information sources		2	Some	96	27	1,165	20			
	(Comparison	3	Quite a bit	104	30	1,825	31	2.9	2 1 ***	20
	data are limited	4	Very much	123	33	2,602	44	4.7	3.1 ***	30
	to NSSE 2020.)	7	Total	358	100	5,870	100		▼	
e. Using practices (terminology,	INL02e	1	Very little	42	11	3,870	7			
methods, writing style, etc.) of a	1111020	2	Some	98	27	1,325				
specific major or field of study	(Comparison	3	Quite a bit	99	29	1,889	23 32	20	20 ***	20
	data are limited							2.8	3.0 ***	20
	to NSSE 2020.)	4	Very much	121	33	2,272	38		$\nabla$	
			Total	360	100	5,866	100			



## Frequencies and Statistical Comparisons Tennessee Technological University

				Frequency Distributions <sup>a</sup>			ns <sup>a</sup>	Statistical Comp		i <b>sons</b> b	
						Information	on		Inform	ation	
				Tennessee	Гесһ	Literacy		Tennessee Tech	Liter	Literacy	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>	
3. How much has your experience	at this institution	n contr	ibuted to your knowledge	e, skills, and p	ersor	nal developm	ent in t	the following areas	s?		
a. Using information effectively	INL03a	1	Very little	20	6	126	3				
	(Comparison data are limited to NSSE 2020.)	2	Some	82	23	1,155	20				
		3	Quite a bit	153	42	2,575	43	2.9	3.1 **	18	
		4	Very much	104	29	2,011	34		$\nabla$		
			Total	359	100	5,867	100				
b. Recognizing biased, misleading, or	INL03b	1	Very little	36	11	397	7				
deceptive information		2	Some	110	31	1,572	27				
	(Comparison data are limited	3	Quite a bit	123	34	2,227	38	2.7	2.9 *	14	
	to NSSE 2020.)	4	Very much	90	25	1,665	28		$\nabla$		
			Total	359	100	5,861	100				
c. Evaluating the credibility of your	INL03c	1	Very little	28	8	274	5				
information sources		2	Some	93	27	1,391	24				
	(Comparison data are limited to NSSE 2020.)	3	Quite a bit	136	38	2,256	38	2.8	3.0 **	15	
		4	Very much	101	27	1,950	33		$\nabla$		
	,		Total	358	100	5,871	100				



## Frequencies and Statistical Comparisons Tennessee Technological University

				Frequent Tennessee		stributio Information		Statistical Co	omparis Informa Litera	ation	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>	
1. During the current school year,	about how ofte	n have v	ou done the following?								
a. Completed an assignment that used	INL01a	1	Never	19	4	221	3				
an information source (book,		2	Sometimes	89	20	1,415	19				
article, website, etc.) other than required course readings	(Comparison data are limited		3	Often	173	38	2,411	33	3.1	3.2 *	09
required course readings	to NSSE 2020.)	4	Very often	182	39	3,544	45		$\nabla$		
	,		Total	463	100	7,591	100				
b. Worked on a paper or project that	INL01b	1	Never	55	13	574	9				
had multiple smaller assignments	(C	2	Sometimes	151	32	1,930	26				
such as an outline, annotated bibliography, rough draft, etc.	(Comparison data are limited	3	Often	144	31	2,468	32	2.7	2.9 ***	23	
olollography, rough uran, etc.	to NSSE 2020.)	4	Very often	114	25	2,617	33		$\nabla$		
			Total	464	100	7,589	100				
c. Received feedback from an	INL01c	1	Never	55	13	668	10				
instructor that improved your use of information resources (source	(Comparison	2	Sometimes	134	28	2,184	29				
selection, proper citation, etc.)	data are limited	3	Often	151	33	2,599	34	2.7	2.8	05	
	to NSSE 2020.)	4	Very often	122	26	2,125	27				
			Total	462	100	7,576	100				
d. Completed an assignment that used	INL01d	1	Never	148	32	1,144	17				
the library's electronic collection of articles, books, and journals	(Comparison	2	Sometimes	137	29	1,924	26				
(JSTOR, EBSCO, LexisNexis, ProQuest, etc.)	data are limited	3	Often	89	19	2,012	26	2.2	2.7 ***	43	
	to NSSE 2020.)	4	Very often	90	19	2,516	31		lacktriangle		
			Total	464	100	7,596	100				
e. Decided not to use an information	INL01e	1	Never	141	30	2,198	29				
source in a course assignment due to its questionable quality	(Comparison	2	Sometimes	176	38	2,886	39				
	data are limited	3	Often	101	22	1,610	21	2.1	2.1	03	
	to NSSE 2020.)	4	Very often	46	10	882	11				
6 (1)	DW 016		Total	464	100	7,576	100				
<ul> <li>f. Changed the focus of a paper or project based on information you</li> </ul>	INL01f	1	Never	110	24	1,256	18				
found while researching the topic	(Comparison	2	Sometimes	193	42	3,186	42	2.2			
	data are limited	3	Often	113	24	2,084	27	2.2	2.4 ***	18	
	to NSSE 2020.)	4	Very often	45	100	1,044	13		$\nabla$		
g. Looked for a reference that was	INL01g	1	Total Never	461 85	100	7,570 949	100				
g. Looked for a reference that was cited in something you read	INLUIG	2	Sometimes	85 174	38	2,548	34				
	(Comparison	3	Often	134	29	2,348	32	2.4	26 ***	10	
	data are limited	4	Very often	68	15	1,649	20	2.4	2.6 ***	19	
	to NSSE 2020.)	7	Total	461	100	7,567	100		<b>v</b>		
h. Identified how a book, article, or	INL01h	1	Never	108	23	1,256	18				
creative work has contributed to a		2	Sometimes	162	36	2,647	35				
field of study	(Comparison	3	Often	129	28	2,304	30	2.3	2.5 **	14	
	data are limited to NSSE 2020.)	4	Very often	63	14	1,355	17	2.0	2.3 ***	14	
	10 NSSE 2020.)	•	Total	462	100	7,562	100		•		
i. Considered the credibility of an	INL01i	1	Never	44	9	505	7				
information source		2	Sometimes	137	30	1,933	26				
	(Comparison	3	Often	163	36	2,744	36	2.8	2.9 **	15	
	data are limited to NSSE 2020.)	4	Very often	117	25	2,380	30	_,0	▽	.10	
	11002 2020.)		•						*		



## Frequencies and Statistical Comparisons Tennessee Technological University

				Frequen	cy Di	stributio		Statistical Co		
				Tennessee 7	Гесһ	Information Literacy	on 	Tennessee Tech	Inform Liter	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
j. Verified an information source by	INL01j	1	Never	73	16	845	12	Wican	ivieuri	
comparing it to other sources	, , ,	2	Sometimes	143	31	2,327	30			
	(Comparison	3	Often	158	34	2,616	35	2.6	2.7 *	11
	data are limited to NSSE 2020.)	4	Very often	88	19	1,754	22	2.0	Z.7	11
	10 NSSE 2020.)		Total	462	100	7,542	100		•	
k. Identified information that was	INL01k	1	Never	87	19	980	14			
biased, misleading, or deceptive		2	Sometimes	178	39	2,903	39			
	(Comparison	3	Often	120	26	2,237	30	2.4	2.5 **	12
	data are limited to NSSE 2020.)	4	Very often	76	17	1,425	18	2.4	∇	12
	10 NSSE 2020.)		Total	461	100	7,545	100		•	
Used information you found on	INL011	1	Never	321	69	4,200	56			
social media in a paper or project		2	Sometimes	73	16	1,903	25			
	(Comparison	3	Often	42	9	924	12	1.5	1.7 ***	19
	data are limited	4	Very often	27	6	523	7	1.5	T.7  ▼	19
	to NSSE 2020.)		Total	463	100	7,550	100		•	
m. Combined information found on	INL01m	1	Never	298	64	3,791	51			
social media with other sources	II (LoTIII	2	Sometimes	78	17	2,084	27			
	(Comparison	3	Often	54	12	1,083	14	1.6	1.0 ***	. 17
	data are limited	4	Very often	33	7	590	8	1.0	1.8 ***	17
	to NSSE 2020.)	4	Total	463	100	7,548	100		$\nabla$	
2. During the current school year,	how much have	your in	structors emphasized	d the following?						
a. Not plagiarizing another author's	INL02a	1	Very little	23	5	255	4			
work		2	Some	50	12	712	10			
	(Comparison data are limited	3	Quite a bit	121	26	1,649	22	3.3	3.5 **	14
	to NSSE 2020.)	4	Very much	268	57	4,931	64		$\nabla$	
			Total	462	100	7,547	100			
b. Appropriately citing the sources	INL02b	1	Very little	27	6	273	4			
used in a paper or project		2	Some	57	13	764	11			
	(Comparison data are limited	3	Quite a bit	128	29	1,852	25	3.3	3.4 **	15
	to NSSE 2020.)	4	Very much	251	52	4,660	59		$\nabla$	
			Total	463	100	7,549	100			
c. Using scholarly or peer-reviewed	INL02c	1	Very little	33	7	424	7			
sources in your course assignments		2	Some	77	17	857	13			
	(Comparison data are limited	3	Quite a bit	118	26	1,787	24	3.2	3.3 **	13
	to NSSE 2020.)	4	Very much	234	49	4,476	56		$\nabla$	
	/		Total	462	100	7,544	100		•	
d. Questioning the quality of	INL02d	1	Very little	45	10	640	9			
information sources		2	Some	115	26	1,542	21			
	(Comparison	3	Quite a bit	139	30	2,082	28	2.9	3.0 **	13
	data are limited to NSSE 2020.)	4	Very much	161	34	3,272	41		$\nabla$	
	2020.)		Total	460	100	7,536	100		•	
e. Using practices (terminology,	INL02e	1	Very little	34	8	419	6			
methods, writing style, etc.) of a		2	Some	87	19	1,247	17			
specific major or field of study	(Comparison	3	Quite a bit	149	33	2,267	31	3.1	3.2 *	11
	data are limited to NSSE 2020.)	4	Very much	193	41	3,607	46		$\nabla$	
			Total	463	100	7,540	100		•	



## Frequencies and Statistical Comparisons Tennessee Technological University

				Frequency Distributions <sup>a</sup>				Statistical Comparison		
						Informatio	on		Information	
				Tennessee	Гесh	Literacy		Tennessee Tech	Literacy	
Item wording or description	Variable name	Values <sup>c</sup>	Response options	Count	%	Count	%	Mean	Mean	Effect size <sup>d</sup>
3. How much has your experience	at this institution	on contr	ibuted to your knowledge	e, skills, and p	ersor	nal developm	ent in t	he following areas	?	
a. Using information effectively	INL03a	1	Very little	10	2	145	2			
	(Comparison data are limited	2	Some	62	14	1,004	14			
		3	Quite a bit	206	44	2,908	38	3.2	3.3	07
	to NSSE 2020.)	4	Very much	184	39	3,476	45			
			Total	462	100	7,533	100			
b. Recognizing biased, misleading, or	INL03b	1	Very little	40	9	444	6			
deceptive information		2	Some	110	23	1,807	25			
	(Comparison data are limited	3	Quite a bit	177	39	2,640	35	2.9	3.0 *	10
	to NSSE 2020.)	4	Very much	135	29	2,640	34		$\nabla$	
			Total	462	100	7,531	100			
c. Evaluating the credibility of your	INL03c	1	Very little	30	7	372	6			
information sources	<i>(G</i> :	2	Some	95	21	1,482	21			
	(Comparison data are limited	3	Quite a bit	188	41	2,688	36	3.0	3.1 *	10
	to NSSE 2020.)	4	Very much	150	32	2,985	38		$\nabla$	
	ŕ		Total	463	100	7,527	100			



# Detailed Statistics<sup>e</sup> Tennessee Technological University

						Stan			Effect	
	N	Me	an	Standar	d error <sup>f</sup>	devia	rtion <sup>g</sup>	$\mathbf{DF}^{h}$	Sig. <sup>i</sup>	<b>size</b> <sup>d</sup>
Variable name	Tennessee Tech	Tennessee Tech	Information Literacy	Tennessee Tech	Information Literacy	Tennessee Tech	Information Literacy	Comparisons with: Information Literacy		
INL01a	360	2.80	3.01	.048	.012	0.91	0.84	403	.000	26
INL01b	360	2.53	2.90	.050	.012	0.94	0.88	404	.000	42
INL01c	360	2.68	2.84	.050	.012	0.95	0.86	401	.003	18
INL01d	360	1.95	2.43	.051	.014	0.96	1.00	416	.000	49
INL01e	360	1.94	2.13	.046	.013	0.88	0.92	415	.000	21
INL01f	359	2.16	2.35	.048	.013	0.91	0.90	5,454	.000	21
INL01g	360	2.31	2.44	.049	.013	0.94	0.92	5,456	.009	14
INL01h	358	2.15	2.37	.050	.013	0.94	0.93	5,453	.000	25
INL01i	357	2.65	2.87	.047	.012	0.89	0.86	404	.000	26
INL01j	355	2.47	2.62	.050	.013	0.93	0.91	5,426	.003	16
INL01k	356	2.38	2.58	.048	.013	0.91	0.89	5,432	.000	22
INL011	358	1.57	1.79	.045	.013	0.86	0.95	421	.000	24
INL01m	358	1.64	1.86	.047	.013	0.89	0.96	418	.000	23
INL02a	358	3.52	3.55	.040	.011	0.76	0.75	5,442	.455	04
INL02b	357	3.30	3.47	.043	.011	0.82	0.76	400	.000	21
INL02c	357	3.05	3.31	.052	.012	0.98	0.85	395	.000	31
INL02d	356	2.85	3.13	.053	.013	1.00	0.91	398	.000	30
INL02e	358	2.83	3.02	.053	.013	1.01	0.94	402	.001	20
INL03a	357	2.94	3.08	.046	.011	0.87	0.80	5,433	.001	18
INL03b	357	2.73	2.86	.051	.013	0.96	0.91	403	.012	14
INL03c	357	2.84	2.97	.049	.012	0.92	0.89	403	.008	15



# Detailed Statistics<sup>e</sup> Tennessee Technological University

						Stan	dard			Effect
	N	Mea	an	Standar	d error <sup>f</sup>	devia	rtion <sup>g</sup>	$\mathbf{DF}^{h}$	Sig. <sup>i</sup>	<b>size</b> <sup>d</sup>
Variable			Information		Information		Information	Сотр		
name	Tennessee Tech	Tennessee Tech	Literacy	Tennessee Tech	Literacy	Tennessee Tech	Literacy	Information Literacy		
INL01a	463	3.11	3.19	.040	.009	0.86	0.86	8,644	.047	09
INL01b	464	2.67	2.89	.046	.011	0.98	0.96	515	.000	23
INL01c	462	2.73	2.78	.046	.011	0.99	0.95	8,624	.317	05
INL01d	464	2.25	2.71	.051	.012	1.10	1.07	8,645	.000	43
INL01e	464	2.11	2.14	.044	.011	0.95	0.96	8,617	.532	03
INL01f	462	2.19	2.35	.042	.010	0.91	0.91	8,608	.000	18
INL01g	461	2.41	2.59	.044	.011	0.95	0.96	8,606	.000	19
INL01h	462	2.33	2.46	.045	.011	0.97	0.98	8,598	.004	14
INL01i	461	2.76	2.90	.043	.010	0.93	0.92	8,601	.002	15
INL01j	462	2.57	2.67	.045	.011	0.97	0.95	8,568	.021	11
INL01k	461	2.41	2.53	.045	.010	0.98	0.94	8,583	.009	12
INL011	463	1.51	1.69	.041	.010	0.88	0.93	523	.000	19
INL01m	463	1.62	1.78	.044	.011	0.95	0.95	8,593	.000	17
INL02a	462	3.35	3.46	.041	.009	0.88	0.82	508	.006	14
INL02b	463	3.27	3.39	.042	.009	0.91	0.85	510	.004	15
INL02c	462	3.17	3.30	.045	.010	0.96	0.94	8,581	.005	13
INL02d	460	2.88	3.01	.046	.011	0.99	1.00	8,573	.007	13
INL02e	463	3.07	3.17	.044	.010	0.95	0.92	8,584	.019	11
INL03a	462	3.21	3.27	.036	.009	0.76	0.78	518	.116	07
INL03b	462	2.87	2.96	.043	.010	0.93	0.92	8,577	.044	10
INL03c	463	2.98	3.06	.042	.010	0.89	0.90	8,571	.046	10



#### **Endnotes**

### **Tennessee Technological University**

#### **Endnotes**

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts. Comparison group details are in the *Selected Comparison Groups* report, linked in the Data & Reports table on the Institution Interface.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent *t*-tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent t- tests uses Cohen's d; z- tests use Cohen's h.
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the t-tests. Values differ from Ns due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent *t*-tests or *z*-tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses z- test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."

#### Key to symbols:

- **Your students' average** was significantly higher (p < .05) with an effect size at least .3 in magnitude.
- $\triangle$  Your students' average was significantly higher (p < .05) with an effect size less than .3 in magnitude.
- $\nabla$  Your students' average was significantly lower (p < .05) with an effect size less than .3 in magnitude.
- $\blacksquare$  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.