

# NSSE 2014 Learning with Technology

## Frequencies and Statistical Comparisons

### University of Houston

#### Seniors

				Frequency Distributions <sup>a</sup>				Statistical Comparisons <sup>a</sup>		
				Univ of Houston		Learning with Tech		Univ of Houston	Learning with Tech	
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, how much has your use of technology contributed to the following:										
a. Your understanding of course materials and ideas	TEC01a	1	Very little	8	3	1,023	3	3.4	3.3	.10
		2	Some	35	11	4,609	13			
		3	Quite a bit	97	30	12,184	33			
		4	Very much	182	56	19,975	51			
		Total	322	100	37,791	100				
b. Demonstrating your understanding of course content	TEC01b	1	Very little	9	3	1,269	4	3.3	3.2	.11
		2	Some	44	14	5,477	15			
		3	Quite a bit	99	31	12,501	34			
		4	Very much	169	52	18,309	47			
		Total	321	100	37,556	100				
c. Learning, studying, or completing coursework <b>on your own</b>	TEC01c	1	Very little	5	2	583	2	3.5	3.5	.01
		2	Some	28	9	2,909	8			
		3	Quite a bit	87	28	10,531	29			
		4	Very much	201	62	23,620	61			
		Total	321	100	37,643	100				
d. Learning, studying, or completing coursework <b>with other students</b>	TEC01d	1	Very little	27	9	3,774	10	3.1	3.0	.10
		2	Some	63	19	7,450	20			
		3	Quite a bit	80	26	10,618	29			
		4	Very much	146	46	15,697	41			
		Total	316	100	37,539	100				
e. Distracting you from completing your coursework	TEC01e	1	Very little	39	12	7,884	20	2.7	2.5 **	.14
		2	Some	108	34	11,634	31			
		3	Quite a bit	84	26	8,764	24			
		4	Very much	89	27	9,260	25			
		Total	320	100	37,542	100				
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	64	20	6,025	17	2.6	2.6	.03
		2	Some	83	26	12,149	32			
		3	Quite a bit	100	31	11,140	30			
		4	Very much	72	23	8,228	21			
		Total	319	100	37,542	100				
3. During the current school year, about how often have you used the following technologies in your courses?										
a. Electronic textbooks	TEC03a	1	Never	84	26	14,973	39	2.4	2.1 ***	.26
		2	Sometimes	96	30	10,904	29			
		3	Often	72	22	5,099	14			
		4	Very often	69	21	6,592	18			
		—	I don't know what this is	1	0	179	0			
		Total	322	100	37,747	100				
b. Online portfolios or e-portfolios	TEC03b	1	Never	157	49	18,296	49	1.7	1.8	-.02
		2	Sometimes	60	19	7,977	21			
		3	Often	39	12	3,645	10			
		4	Very often	22	7	3,346	9			
		—	I don't know what this is	42	13	4,307	12			
		Total	320	100	37,571	100				
c. Blogs	TEC03c	1	Never	203	63	20,809	56			

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		2	Sometimes	76	24	10,548	28	1.5	1.6 *	-.13
		3	Often	25	8	3,359	9			
		4	Very often	14	4	2,193	6			
		—	I don't know what this is	2	1	387	1			
		Total	320	100	37,296	100				
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	80	25	10,157	27	2.4	2.3	.02
		2	Sometimes	104	33	11,562	31			
		3	Often	68	21	8,165	22			
		4	Very often	63	20	7,052	19			
		—	I don't know what this is	3	1	544	1			
Total	318	100	37,480	100						
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	135	41	17,233	46	1.9	1.9	.03
		2	Sometimes	102	32	10,079	27			
		3	Often	42	13	5,023	13			
		4	Very often	36	11	4,723	13			
		—	I don't know what this is	5	2	487	1			
Total	320	100	37,545	100						
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	128	40	16,420	44	2.1	2.0	.08
		2	Sometimes	81	25	9,883	26			
		3	Often	62	20	5,287	14			
		4	Very often	46	14	5,552	15			
		—	I don't know what this is	3	1	370	1			
Total	320	100	37,512	100						
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	75	23	10,421	28	2.6	2.4 *	.12
		2	Sometimes	76	24	9,982	26			
		3	Often	76	24	7,443	20			
		4	Very often	90	28	9,519	25			
		—	I don't know what this is	2	1	222	1			
Total	319	100	37,587	100						
4. During the current school year, about how often have you used technology to communicate with the following people?										
a. Students	TEC04a	1	Never	13	4	862	2	3.5	3.5	-.02
		2	Sometimes	34	11	4,162	12			
		3	Often	62	19	7,400	20			
		4	Very often	212	66	25,313	66			
		Total	321	100	37,737	100				
b. Academic advisors	TEC04b	1	Never	54	17	4,742	14	2.6	2.7	-.08
		2	Sometimes	103	32	11,179	31			
		3	Often	69	22	9,047	24			
		4	Very often	95	29	12,691	31			
		Total	321	100	37,659	100				
c. Faculty	TEC04c	1	Never	33	11	1,269	4	2.9	3.1 **	-.20
		2	Sometimes	76	23	8,535	24			
		3	Often	97	30	11,658	31			
		4	Very often	115	36	16,046	41			
		Total	321	100	37,508	100				
d. Student services staff (career services, student activities, etc.)	TEC04d	1	Never	143	45	13,880	38			
		2	Sometimes	89	27	11,001	30			

<sup>a</sup> Percentages may not equal 100% due to rounding. <sup>b</sup> Means and standard deviations are reported for the University of Houston and the Learning with Technology group. <sup>c</sup> Values are reported for the University of Houston and the Learning with Technology group. <sup>d</sup> Effect sizes are reported for the University of Houston and the Learning with Technology group.

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d. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04d	3	Often	37	12	5,314	14	2.0	2.1 *	-.11
		4	Very often	51	16	7,321	18			
		Total	320	100	37,516	100				
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	130	41	8,841	26	2.0	2.3 ***	-.23
		2	Sometimes	103	32	14,937	40			
		3	Often	39	12	6,041	15			
		4	Very often	48	15	7,687	19			
		Total	320	100	37,506	100				
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting-edge technologies	TEC05a	1	Very little	49	15	4,700	14	2.4	2.6 *	-.14
		2	Some	131	41	12,554	34			
		3	Quite a bit	94	29	12,509	33			
		4	Very much	47	15	7,940	19			
		Total	321	100	37,703	100				
b. Providing technology to help you learn, study or complete coursework	TEC05b	1	Very little	31	10	3,558	10	2.7	2.8	-.08
		2	Some	104	33	10,066	28			
		3	Quite a bit	118	36	13,694	36			
		4	Very much	66	21	10,308	26			
		Total	319	100	37,626	100				
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	40	13	4,641	13	2.6	2.7	-.03
		2	Some	109	34	11,270	31			
		3	Quite a bit	102	32	12,399	33			
		4	Very much	69	22	9,314	23			
		Total	320	100	37,624	100				
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	55	17	4,997	15	2.5	2.6	-.10
		2	Some	105	33	11,703	33			
		3	Quite a bit	106	33	11,832	31			
		4	Very much	54	17	8,968	22			
		Total	320	100	37,500	100				