

NSSE 2014 Learning with Technology

Frequencies and Statistical Comparisons

University of Houston

First-Year Students

				Frequency Distributions ^a				Statistical Comparisons ^b		
				Univ of Houston		Learning with Tech		Univ of Houston	Learning with Tech	
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	Effect size ^d
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	3	3	700	3	3.3	3.2	.03
		2	Some	25	15	3,823	15			
		3	Quite a bit	66	37	10,220	39			
		4	Very much	82	45	11,532	43			
		Total	176	100	26,275	100				
b. Demonstrating your understanding of course content	TEC01b	1	Very little	5	4	876	4	3.1	3.1	-.01
		2	Some	27	15	4,661	18			
		3	Quite a bit	79	45	10,463	40			
		4	Very much	65	36	10,093	38			
		Total	176	100	26,093	100				
c. Learning, studying, or completing coursework on your own	TEC01c	1	Very little	5	4	463	2	3.4	3.4	.00
		2	Some	17	9	2,641	10			
		3	Quite a bit	54	32	8,942	34			
		4	Very much	101	56	14,136	54			
		Total	177	100	26,182	100				
d. Learning, studying, or completing coursework with other students	TEC01d	1	Very little	21	13	2,801	12	2.9	2.8	.05
		2	Some	37	21	6,383	25			
		3	Quite a bit	50	30	8,349	31			
		4	Very much	64	36	8,534	32			
		Total	172	100	26,067	100				
e. Distracting you from completing your coursework	TEC01e	1	Very little	20	12	3,463	14	2.7	2.7	.09
		2	Some	52	30	8,234	32			
		3	Quite a bit	53	31	7,403	28			
		4	Very much	49	27	6,990	26			
		Total	174	100	26,090	100				
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	28	18	4,285	17	2.5	2.5	.00
		2	Some	57	34	9,150	35			
		3	Quite a bit	56	32	8,144	31			
		4	Very much	30	17	4,365	17			
		Total		171	100	25,944	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	14	8	10,667	40	3.1	2.1 ***	.94
		2	Sometimes	37	21	7,671	29			
		3	Often	47	27	3,961	15			
		4	Very often	79	44	3,694	15			
		—	I don't know what this is	0	0	243	1			
		Total		177	100	26,236	100			
b. Online portfolios or e-portfolios	TEC03b	1	Never	61	35	12,695	49	1.9	1.7 *	.21
		2	Sometimes	41	25	5,852	22			
		3	Often	19	11	2,621	10			
		4	Very often	14	7	1,556	6			
		—	I don't know what this is	40	22	3,408	13			
		Total		175	100	26,132	100			
c. Blogs	TEC03c	1	Never	96	55	15,243	58			

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		2	Sometimes	41	24	6,764	26	1.7	1.6	.13
		3	Often	16	9	2,431	10			
		4	Very often	16	10	1,258	5			
		—	I don't know what this is	2	1	267	1			
		Total	171	100	25,963	100				
		d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	49	29	7,379	29	2.2
2	Sometimes	66	37	8,823	34					
3	Often	24	14	5,541	21					
4	Very often	36	19	3,896	14					
—	I don't know what this is	1	0	391	2					
Total	176	100	26,030	100						
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	98	55	12,888	49	1.7	1.9	-.15
2	Sometimes	43	25	6,560	25					
3	Often	17	10	3,545	14					
4	Very often	14	8	2,711	10					
—	I don't know what this is	3	2	348	1					
Total	175	100	26,052	100						
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	69	40	10,242	41	2.0	2.1	-.03
2	Sometimes	55	30	7,031	27					
3	Often	25	16	4,142	16					
4	Very often	27	14	4,458	16					
—	I don't know what this is	0	0	184	1					
Total	176	100	26,057	100						
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	31	18	6,693	25	2.6	2.4	.15
2	Sometimes	50	29	7,533	29					
3	Often	44	27	5,224	20					
4	Very often	47	26	6,497	25					
—	I don't know what this is	1	0	138	1					
Total	173	100	26,085	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	3	2	607	3	3.4	3.4	.04
		2	Sometimes	19	11	3,023	13			
		3	Often	45	27	5,969	23			
		4	Very often	109	60	16,606	60			
		Total	176	100	26,205	100				
b. Academic advisors	TEC04b	1	Never	46	27	3,876	17	2.3	2.6 ***	-.27
		2	Sometimes	63	35	8,720	34			
		3	Often	32	19	7,019	26			
		4	Very often	35	18	6,551	24			
		Total	176	100	26,166	100				
c. Faculty	TEC04c	1	Never	24	13	1,965	8	2.7	2.8 *	-.16
		2	Sometimes	51	31	8,021	32			
		3	Often	58	33	8,468	32			
		4	Very often	42	23	7,637	28			
		Total	175	100	26,091	100				
d. Student services staff (career services, student activities,	TEC04d	1	Never	66	39	7,730	32			
		2	Sometimes	52	30	9,358	35			

^a p-values in parentheses, refer to the last two pages for a key to the multiple symbols.

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d. Other administrative staff and offices (registrar, financial aid, etc.)		3	Often	31	17	4,520	17	2.1	2.2	-.08
		4	Very often	27	14	4,447	16			
		Total	176	100	26,055	100				
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	59	35	7,089	29	2.1	2.2	-.10
		2	Sometimes	66	38	10,267	39			
		3	Often	20	11	4,277	16			
		4	Very often	29	15	4,361	16			
		Total	174	100	25,994	100				
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting-edge technologies	TEC05a	1	Very little	20	12	3,106	13	2.6	2.6	.03
		2	Some	63	37	9,055	35			
		3	Quite a bit	54	31	8,968	34			
		4	Very much	39	20	5,049	18			
		Total	176	100	26,178	100				
b. Providing technology to help you learn, study or complete coursework	TEC05b	1	Very little	10	6	1,905	8	2.9	2.8	.08
		2	Some	49	29	6,815	27			
		3	Quite a bit	58	33	10,314	39			
		4	Very much	58	32	7,090	26			
		Total	175	100	26,124	100				
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	11	6	2,391	10	2.8	2.8	.06
		2	Some	55	33	7,493	29			
		3	Quite a bit	58	33	9,658	37			
		4	Very much	51	27	6,586	24			
		Total	175	100	26,128	100				
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	16	11	2,876	12	2.7	2.7	.03
		2	Some	64	36	7,762	30			
		3	Quite a bit	42	24	9,048	34			
		4	Very much	54	29	6,401	23			
		Total	176	100	26,087	100				