

NSSE 2015 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	9	4	568	3	3.4	3.2 *	.14
		2	Some	23	11	3,216	14			
		3	Quite a bit	62	30	8,825	39			
		4	Very much	111	55	10,219	44			
			Total	205	100	22,828	100			
b. Demonstrating your understanding of course content	TEC01b	1	Very little	12	5	703	3	3.2	3.2	.11
		2	Some	22	11	3,919	17			
		3	Quite a bit	75	37	9,080	40			
		4	Very much	93	46	8,981	39			
			Total	202	100	22,683	100			
c. Learning, studying, or completing coursework on your own	TEC01c	1	Very little	2	1	376	2	3.5	3.4 *	.13
		2	Some	14	8	2,255	10			
		3	Quite a bit	61	32	7,647	34			
		4	Very much	126	60	12,456	54			
			Total	203	100	22,734	100			
d. Learning, studying, or completing coursework with other students	TEC01d	1	Very little	31	15	1,981	10	2.8	2.9 *	-.16
		2	Some	49	24	5,165	23			
		3	Quite a bit	61	32	7,493	33			
		4	Very much	61	30	8,015	35			
			Total	202	100	22,654	100			
e. Distracting you from completing your coursework	TEC01e	1	Very little	22	11	2,576	12	2.8	2.7	.12
		2	Some	63	30	7,140	32			
		3	Quite a bit	48	23	6,617	29			
		4	Very much	70	35	6,318	27			
			Total	203	100	22,651	100			
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	46	24	3,658	17	2.3	2.5 *	-.17
		2	Some	76	36	7,869	35			
		3	Quite a bit	49	25	7,225	32			
		4	Very much	32	16	3,703	17			
			Total	203	100	22,455	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	17	8	7,723	34	3.1	2.2 ***	.82
		2	Sometimes	46	23	6,773	30			
		3	Often	47	24	4,110	18			
		4	Very often	94	46	3,995	17			
		—	I don't know what this is	0	0	184	1			
			Total	204	100	22,785	100			
b. Online portfolios or e-portfolios	TEC03b	1	Never	87	43	10,076	45	1.8	1.8	.04
		2	Sometimes	38	20	5,302	24			
		3	Often	17	8	2,666	12			
		4	Very often	20	10	1,667	7			
		—	I don't know what this is	40	19	2,989	13			
			Total	202	100	22,700	100			
c. Blogs	TEC03c	1	Never	123	59	12,465	54			

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				Univ of Houston		Learning with Tech		Univ of Houston	Learning with Tech	Effect size ^d
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	
		2	Sometimes	45	25	6,049	28	1.6	1.7	-.08
		3	Often	15	8	2,466	11			
		4	Very often	14	7	1,310	6			
		—	I don't know what this is	3	1	252	1			
		Total		200	100	22,542	100			
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	64	32	5,146	23	2.3	2.4	-.10
		2	Sometimes	54	26	7,695	35			
		3	Often	54	26	5,434	24			
		4	Very often	30	16	4,080	17			
		—	I don't know what this is	0	0	254	1			
		Total		202	100	22,609	100			
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	120	57	10,920	47	1.7	1.9 *	-.18
		2	Sometimes	41	20	5,878	26			
		3	Often	29	15	3,240	15			
		4	Very often	12	6	2,294	10			
		—	I don't know what this is	3	1	311	1			
		Total		205	100	22,643	100			
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	97	49	8,642	39	1.9	2.1 **	-.21
		2	Sometimes	52	25	6,187	27			
		3	Often	29	14	3,720	16			
		4	Very often	24	11	3,936	17			
		—	I don't know what this is	2	1	151	1			
		Total		204	100	22,636	100			
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	37	19	4,286	19	2.6	2.6	.02
		2	Sometimes	62	30	6,939	31			
		3	Often	42	22	5,067	23			
		4	Very often	60	28	6,296	27			
		—	I don't know what this is	2	1	97	0			
		Total		203	100	22,685	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	10	6	418	2	3.3	3.5 **	-.23
		2	Sometimes	33	15	2,406	12			
		3	Often	49	25	5,204	24			
		4	Very often	112	54	14,747	62			
		Total		204	100	22,775	100			
b. Academic advisors	TEC04b	1	Never	61	30	3,484	17	2.2	2.6 ***	-.38
		2	Sometimes	73	36	7,363	33			
		3	Often	37	18	6,194	27			
		4	Very often	32	16	5,689	24			
		Total		203	100	22,730	100			
c. Faculty	TEC04c	1	Never	35	18	1,927	9	2.5	2.8 ***	-.32
		2	Sometimes	78	39	7,007	32			
		3	Often	44	22	7,214	32			
		4	Very often	46	22	6,531	27			
		Total		203	100	22,679	100			
d. Student services staff (career services, student activities, etc.)	TEC04d	1	Never	86	42	6,686	31			
		2	Sometimes	67	34	8,034	35			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the Endnotes page for a key to the triangle symbols.

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d. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04d	3	Often	24	11	4,044	18	1.9	2.2 ***	-.24
		4	Very often	26	13	3,900	16			
		Total	203	100	22,664	100				
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	69	34	6,425	29	2.0	2.2 *	-.16
		2	Sometimes	83	41	8,642	38			
		3	Often	27	14	3,822	17			
		4	Very often	23	11	3,714	16			
		Total	202	100	22,603	100				
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting-edge technologies	TEC05a	1	Very little	31	16	2,882	13	2.4	2.6 *	-.14
		2	Some	83	41	7,988	36			
		3	Quite a bit	55	27	7,752	33			
		4	Very much	33	15	4,118	18			
		Total	202	100	22,740	100				
b. Providing technology to help you learn, study or complete coursework	TEC05b	1	Very little	22	12	1,794	9	2.7	2.8	-.10
		2	Some	58	28	6,123	27			
		3	Quite a bit	77	39	8,863	39			
		4	Very much	47	22	5,899	25			
		Total	204	100	22,679	100				
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	21	12	2,262	11	2.6	2.7 *	-.15
		2	Some	77	37	6,626	29			
		3	Quite a bit	64	31	8,285	36			
		4	Very much	42	20	5,524	24			
		Total	204	100	22,697	100				
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	31	17	2,557	12	2.5	2.7 *	-.16
		2	Some	67	31	6,812	30			
		3	Quite a bit	67	34	7,805	34			
		4	Very much	38	18	5,452	23			
		Total	203	100	22,626	100				