



NSSE 2019 Topical Module Report

Learning with Technology

Auburn University

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About This Topical Module

Developed in partnership with EDUCAUSE, these questions examine the role of technology in student learning, focusing on usage, contribution to learning, and perceptions of institutional support. This module complements questions on the core survey about learning with peers, quality of interactions with others, and institutional emphasis on academic support. Complementary FSSE set available.

Comparison Group

This section summarizes how this module's comparison group was identified, including selection criteria and whether the default option was taken. This is followed by the resulting list of institutions represented in the 'Learning with Tech' column of this report.

Group label	Learning with Tech
Date submitted	Not applicable; comparison group not customized.
How was this comparison group constructed?	Your institution did not customize this comparison group; the default group (all module participants) was used.
Group description	Default comparison group

Learning with Tech (N=35)

Albany College of Pharmacy and Health Sciences (Albany, NY)	University of Wisconsin-Green Bay (Green Bay, WI)
Arkansas Tech University (Russellville, AR)	Ursuline College (Pepper Pike, OH)*
Bacone College (Muskogee, OK)*	Valley City State University (Valley City, ND)
Brigham Young University (Provo, UT)	Vancouver Island University (Nanaimo, BC)*
Central Methodist University (Fayette, MO)	William Jewell College (Liberty, MO)
Coker College (Hartsville, SC)*	
Colorado State University-Pueblo (Pueblo, CO)*	
D'Youville College (Buffalo, NY)	
Florida Southern College (Lakeland, FL)*	
Gwynedd Mercy University (Gwynedd Valley, PA)*	
Hanover College (Hanover, IN)	
Hope College (Holland, MI)	
Kentucky Wesleyan College (Owensboro, KY)	
Keuka College (Keuka Park, NY)*	
Molloy College (Rockville Centre, NY)*	
National University (La Jolla, CA)	
New Jersey Institute of Technology (Newark, NJ)	
Olivet Nazarene University (Bourbonnais, IL)*	
Shenandoah University (Winchester, VA)	
South Dakota State University (Brookings, SD)*	
Southern Oregon University (Ashland, OR)	
St. Cloud State University (Saint Cloud, MN)	
University of Advancing Technology (Tempe, AZ)	
University of Illinois at Urbana-Champaign (Champaign, IL)	
University of North Carolina Wilmington (Wilmington, NC)	
University of Northern British Columbia (Prince George, BC)	
University of Phoenix - Arizona/ONLINE (Tempe, AZ)	
University of South Carolina Upstate (Spartanburg, SC)*	
University of the District of Columbia (Washington, DC)*	
University of the Fraser Valley (Abbotsford, BC)	

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	Effect size ^d
				Count	%	Count	%	Mean	Mean	
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	4	1	133	2	3.3	3.3	.02
		2	Some	73	14	965	12			
		3	Quite a bit	173	34	3,055	37			
		4	Very much	262	51	3,450	49			
		Total		512	100	7,603	100			
b. Demonstrating your understanding of course content	TEC01b	1	Very little	8	2	168	2	3.2	3.2	-.02
		2	Some	86	18	1,258	15			
		3	Quite a bit	192	38	3,326	41			
		4	Very much	218	43	2,805	42			
		Total		504	100	7,557	100			
c. Learning, studying, or completing coursework <i>on your own</i>	TEC01c	1	Very little	3	1	78	1	3.5	3.5	.05
		2	Some	36	7	586	7			
		3	Quite a bit	147	29	2,571	32			
		4	Very much	323	62	4,352	60			
		Total		509	100	7,587	100			
d. Learning, studying, or completing coursework <i>with other students</i>	TEC01d	1	Very little	24	5	641	11	3.1	2.9 ***	.17
		2	Some	113	23	1,858	23			
		3	Quite a bit	170	34	2,637	32			
		4	Very much	203	39	2,456	34			
		Total		510	100	7,592	100			
e. Distracting you from completing your coursework	TEC01e	1	Very little	41	8	960	18	2.7	2.4 ***	.23
		2	Some	193	38	2,940	37			
		3	Quite a bit	168	33	2,300	27			
		4	Very much	109	21	1,391	18			
		Total		511	100	7,591	100			
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	67	14	1,091	14	2.5	2.6	-.04
		2	Some	190	37	2,852	35			
		3	Quite a bit	153	30	2,321	29			
		4	Very much	96	19	1,307	22			
		Total		506	100	7,571	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	23	5	1,229	13	2.9	2.8 ***	.17
		2	Sometimes	135	27	2,551	29			
		3	Often	189	37	2,029	26			
		4	Very often	160	31	1,756	32			
		—	I don't know what this is	1	0	36	0			
		Total		508	100	7,601	100			
b. Online portfolios or e portfolios	TEC03b	1	Never	163	32	2,946	33	2.0	2.0	-.08
		2	Sometimes	147	30	1,808	24			
		3	Often	49	10	857	12			
		4	Very often	48	9	489	12			
		—	I don't know what this is	99	19	1,489	18			
		Total		506	100	7,589	100			
c. Blogs	TEC03c	1	Never	356	70	5,243	65	1.4	1.5 ***	-.16
		2	Sometimes	107	21	1,620	22			
		3	Often	25	5	381	6			

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

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	
				Count	%	Count	%	Mean	Mean	Effect size ^d
		4	Very often	12	2	235	6			
		—	I don't know what this is	8	2	110	2			
			Total	508	100	7,589	100			
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	45	9	971	15	2.7	2.7	-.01
		2	Sometimes	185	37	2,264	28			
		3	Often	152	30	2,246	27			
		4	Very often	120	23	2,072	28			
		—	I don't know what this is	5	1	40	1			
			Total	507	100	7,593	100			
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	268	52	3,969	50	1.7	1.8	-.08
		2	Sometimes	132	27	2,086	26			
		3	Often	62	12	860	12			
		4	Very often	36	7	576	11			
		—	I don't know what this is	7	1	97	1			
			Total	505	100	7,588	100			
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	245	49	3,568	49	1.8	1.9	-.07
		2	Sometimes	146	29	2,119	25			
		3	Often	61	12	991	12			
		4	Very often	52	9	890	13			
		—	I don't know what this is	3	1	24	0			
			Total	507	100	7,592	100			
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	33	6	846	13	2.8	2.7 *	.09
		2	Sometimes	164	33	2,626	32			
		3	Often	168	33	2,061	25			
		4	Very often	142	27	2,037	30			
		—	I don't know what this is	1	0	19	0			
			Total	508	100	7,589	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	8	2	135	3	3.6	3.4 ***	.20
		2	Sometimes	39	8	929	14			
		3	Often	111	23	1,818	23			
		4	Very often	347	67	4,705	60			
			Total	505	100	7,587	100			
b. Academic advisors	TEC04b	1	Never	19	4	1,080	12	2.7	2.7	.07
		2	Sometimes	204	41	2,706	34			
		3	Often	160	31	2,109	28			
		4	Very often	126	24	1,688	26			
			Total	509	100	7,583	100			
c. Faculty	TEC04c	1	Never	33	7	621	7	2.7	2.8	-.09
		2	Sometimes	198	39	2,760	35			
		3	Often	155	31	2,397	29			
		4	Very often	123	23	1,805	28			
			Total	509	100	7,583	100			
d. Student services staff (career services, student activities, housing, etc.)	TEC04d	1	Never	127	25	2,123	32	2.3	2.2 *	.10
		2	Sometimes	203	41	2,925	35			
		3	Often	88	18	1,444	17			
		4	Very often	88	17	1,088	16			
			Total	506	100	7,580	100			

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

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	Effect size ^d
				Count	%	Count	%	Mean	Mean	
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	150	29	1,966	25	2.2	2.3 *	-0.10
		2	Sometimes	205	41	3,229	42			
		3	Often	81	16	1,337	18			
		4	Very often	74	14	1,037	16			
		Total		510	100	7,569	100			
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting edge technologies	TEC05a	1	Very little	35	7	1,183	14	2.7	2.5 ***	.22
		2	Some	174	34	3,258	39			
		3	Quite a bit	210	41	2,300	31			
		4	Very much	87	17	830	16			
		Total		506	100	7,571	100			
b. Providing technology to help you learn, study, or complete coursework	TEC05b	1	Very little	23	4	719	9	2.9	2.8	.08
		2	Some	145	29	2,282	28			
		3	Quite a bit	210	41	2,988	38			
		4	Very much	127	25	1,552	25			
		Total		505	100	7,541	100			
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	34	7	765	10	2.8	2.7	.03
		2	Some	169	34	2,599	30			
		3	Quite a bit	186	37	2,818	36			
		4	Very much	115	23	1,360	24			
		Total		504	100	7,542	100			
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	47	9	824	10	2.7	2.7	.02
		2	Some	154	31	2,594	32			
		3	Quite a bit	180	36	2,701	34			
		4	Very much	123	24	1,433	24			
		Total		504	100	7,552	100			

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

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	Effect size ^d
				Count	%	Count	%	Mean	Mean	
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	10	2	180	2	3.5	3.4	.06
		2	Some	48	8	1,096	10			
		3	Quite a bit	185	32	3,272	31			
		4	Very much	333	59	5,075	57			
			Total	576	100	9,623	100			
b. Demonstrating your understanding of course content	TEC01b	1	Very little	10	2	209	2	3.3	3.3	-.04
		2	Some	75	13	1,354	12			
		3	Quite a bit	221	38	3,563	34			
		4	Very much	267	47	4,445	51			
			Total	573	100	9,571	100			
c. Learning, studying, or completing coursework <i>on your own</i>	TEC01c	1	Very little	7	1	102	1	3.6	3.6	.00
		2	Some	31	5	667	7			
		3	Quite a bit	168	29	2,765	27			
		4	Very much	371	65	6,064	65			
			Total	577	100	9,598	100			
d. Learning, studying, or completing coursework <i>with other students</i>	TEC01d	1	Very little	25	5	629	7	3.2	3.1 **	.11
		2	Some	87	15	1,877	19			
		3	Quite a bit	201	34	3,077	31			
		4	Very much	262	46	4,013	44			
			Total	575	100	9,596	100			
e. Distracting you from completing your coursework	TEC01e	1	Very little	56	10	1,712	24	2.7	2.3 ***	.33
		2	Some	217	38	3,673	37			
		3	Quite a bit	173	29	2,569	23			
		4	Very much	132	23	1,652	16			
			Total	578	100	9,606	100			
2. During the current school year, how much have your courses improved your understanding and use of technology?										
	TEC02	1	Very little	56	10	1,376	14	2.7	2.7	.07
		2	Some	192	32	3,097	30			
		3	Quite a bit	187	33	2,929	31			
		4	Very much	138	25	2,169	25			
			Total	573	100	9,571	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	85	14	1,869	15	2.6	2.8 ***	-.22
		2	Sometimes	213	37	3,097	28			
		3	Often	146	26	2,062	19			
		4	Very often	132	23	2,550	38			
		—	I don't know what this is	0	0	22	0			
			Total	576	100	9,600	100			
b. Online portfolios or e portfolios	TEC03b	1	Never	263	46	3,565	33	1.8	2.1 ***	-.24
		2	Sometimes	168	29	2,396	25			
		3	Often	60	10	1,132	12			
		4	Very often	47	9	925	14			
		—	I don't know what this is	36	6	1,577	17			
			Total	574	100	9,595	100			
c. Blogs	TEC03c	1	Never	414	72	5,826	55	1.4	1.6 ***	-.29
		2	Sometimes	113	20	2,623	30			
		3	Often	25	4	628	7			

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

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	
				Count	%	Count	%	Mean	Mean	Effect size ^d
		4	Very often	18	3	416	6			
		—	I don't know what this is	6	1	91	1			
			Total	576	100	9,584	100			
d. Collaborative editing software (Wikis, Google Docs, etc.)	TEC03d	1	Never	56	10	988	13	2.8	2.8	-.02
		2	Sometimes	154	27	2,390	25			
		3	Often	205	36	2,761	27			
		4	Very often	157	27	3,398	34			
		—	I don't know what this is	1	0	53	1			
			Total	573	100	9,590	100			
e. Multimedia software (drawing, audio or video production, editing, etc.)	TEC03e	1	Never	284	48	4,232	40	1.9	2.0 *	-.10
		2	Sometimes	154	27	2,964	31			
		3	Often	65	12	1,252	14			
		4	Very often	72	13	1,061	13			
		—	I don't know what this is	0	0	79	1			
			Total	575	100	9,588	100			
f. Social networking (Facebook, Twitter, etc.)	TEC03f	1	Never	304	54	4,147	45	1.8	1.9 **	-.14
		2	Sometimes	146	25	3,040	30			
		3	Often	67	12	1,249	12			
		4	Very often	57	10	1,115	12			
		—	I don't know what this is	0	0	33	0			
			Total	574	100	9,584	100			
g. Mobile computing (handheld devices such as smartphones, tablets, etc.)	TEC03g	1	Never	61	11	1,138	12	2.8	2.7	.02
		2	Sometimes	186	32	3,242	32			
		3	Often	158	28	2,470	25			
		4	Very often	167	29	2,707	31			
		—	I don't know what this is	2	0	24	0			
			Total	574	100	9,581	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	5	1	147	2	3.7	3.5 ***	.21
		2	Sometimes	31	6	951	11			
		3	Often	96	18	2,068	21			
		4	Very often	441	76	6,409	66			
			Total	573	100	9,575	100			
b. Academic advisors	TEC04b	1	Never	33	6	1,081	10	2.8	2.8	-.01
		2	Sometimes	203	36	2,994	32			
		3	Often	165	29	2,537	25			
		4	Very often	174	30	2,979	34			
			Total	575	100	9,591	100			
c. Faculty	TEC04c	1	Never	19	3	349	4	3.0	3.0 *	-.10
		2	Sometimes	155	28	2,487	26			
		3	Often	217	38	3,183	30			
		4	Very often	181	31	3,564	39			
			Total	572	100	9,583	100			
d. Student services staff (career services, student activities, housing, etc.)	TEC04d	1	Never	210	36	3,406	38	2.1	2.1	-.02
		2	Sometimes	191	34	3,161	30			
		3	Often	81	15	1,452	14			
		4	Very often	90	15	1,560	18			
			Total	572	100	9,579	100			

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

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Auburn		Learning with Tech		Auburn	Learning with Tech	Effect size ^d
				Count	%	Count	%	Mean	Mean	
e. Other administrative staff and offices (registrar, financial aid, etc.)	TEC04e	1	Never	175	30	2,185	22	2.1	2.3 ***	-0.18
		2	Sometimes	226	40	4,174	41			
		3	Often	87	16	1,655	18			
		4	Very often	84	14	1,556	19			
		Total		572	100	9,570	100			
5. How much does your institution emphasize the following?										
a. Teaching with new, cutting edge technologies	TEC05a	1	Very little	53	9	1,627	15	2.6	2.5 ***	.15
		2	Some	218	37	3,851	36			
		3	Quite a bit	192	34	2,841	32			
		4	Very much	109	20	1,236	17			
		Total		572	100	9,555	100			
b. Providing technology to help you learn, study, or complete coursework	TEC05b	1	Very little	46	8	1,042	11	2.8	2.7	.04
		2	Some	178	31	2,974	28			
		3	Quite a bit	204	36	3,563	36			
		4	Very much	142	25	1,965	25			
		Total		570	100	9,544	100			
c. Teaching you how to use available technologies to learn, study, or complete coursework	TEC05c	1	Very little	46	8	1,165	12	2.7	2.7	.06
		2	Some	200	35	3,281	31			
		3	Quite a bit	192	34	3,288	34			
		4	Very much	131	23	1,803	23			
		Total		569	100	9,537	100			
d. Providing support services to assist you with your use of technology	TEC05d	1	Very little	68	12	1,300	13	2.6	2.6	.01
		2	Some	201	35	3,592	34			
		3	Quite a bit	173	31	3,054	32			
		4	Very much	123	22	1,612	21			
		Total		565	100	9,558	100			

First-Year Students

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		Auburn	Learning with Tech	Auburn	Learning with Tech	Auburn	Learning with Tech			
TEC01a	511	3.35	3.33	.033	.011	0.75	0.76	5,395	.705	.02
TEC01b	503	3.21	3.23	.035	.011	0.79	0.78	5,365	.722	-.02
TEC01c	507	3.54	3.50	.029	.010	0.66	0.68	5,401	.250	.05
TEC01d	509	3.06	2.90	.040	.014	0.89	1.00	646	.000	.17
TEC01e	510	2.67	2.45	.040	.014	0.90	0.98	641	.000	.23
TEC02	505	2.55	2.59	.042	.014	0.95	0.98	5,387	.353	-.04
TEC03a	506	2.94	2.77	.039	.015	0.88	1.04	661	.000	.17
TEC03b	409	1.96	2.04	.049	.017	0.99	1.07	511	.117	-.08
TEC03c	499	1.38	1.52	.031	.012	0.69	0.85	668	.000	-.16
TEC03d	500	2.68	2.69	.042	.015	0.93	1.05	638	.799	-.01
TEC03e	497	1.74	1.82	.042	.015	0.94	1.01	621	.063	-.08
TEC03f	503	1.82	1.90	.044	.015	0.98	1.07	630	.123	-.07
TEC03g	506	2.82	2.73	.040	.015	0.91	1.03	646	.042	.09
TEC04a	504	3.56	3.40	.032	.012	0.72	0.84	654	.000	.20
TEC04b	508	2.75	2.68	.038	.014	0.86	0.98	652	.088	.07
TEC04c	508	2.70	2.78	.040	.013	0.90	0.94	5,384	.065	-.09
TEC04d	505	2.26	2.16	.045	.015	1.01	1.05	5,375	.040	.10
TEC04e	509	2.15	2.26	.044	.014	1.00	1.00	5,373	.026	-.10
TEC05a	504	2.69	2.49	.037	.013	0.84	0.92	636	.000	.22
TEC05b	504	2.86	2.79	.037	.013	0.84	0.93	637	.050	.08
TEC05c	503	2.76	2.73	.039	.013	0.88	0.94	627	.493	.03
TEC05d	502	2.75	2.73	.041	.013	0.93	0.94	5,364	.721	.02

See the endnotes on the last page of this report.





Seniors

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		Auburn	Learning with Tech	Auburn	Learning with Tech	Auburn	Learning with Tech			
TEC01a	572	3.47	3.43	.030	.009	0.72	0.75	688	.146	.06
TEC01b	569	3.31	3.34	.032	.010	0.75	0.78	6,961	.413	-.04
TEC01c	573	3.57	3.57	.027	.008	0.65	0.66	6,983	.980	.00
TEC01d	570	3.22	3.12	.036	.012	0.86	0.94	694	.009	.11
TEC01e	574	2.66	2.32	.039	.013	0.94	1.01	697	.000	.33
TEC02	569	2.74	2.67	.040	.013	0.94	1.01	688	.109	.07
TEC03a	572	2.57	2.81	.042	.014	0.99	1.10	702	.000	-.22
TEC03b	534	1.81	2.07	.042	.015	0.96	1.09	678	.000	-.24
TEC03c	564	1.38	1.64	.030	.011	0.72	0.87	715	.000	-.29
TEC03d	567	2.80	2.82	.040	.013	0.95	1.04	695	.536	-.02
TEC03e	571	1.91	2.00	.044	.013	1.06	1.04	6,897	.029	-.10
TEC03f	569	1.77	1.92	.042	.013	1.00	1.04	6,946	.001	-.14
TEC03g	568	2.76	2.74	.042	.013	0.99	1.03	680	.670	.02
TEC04a	569	3.68	3.52	.026	.009	0.62	0.75	723	.000	.21
TEC04b	571	2.82	2.83	.039	.013	0.93	1.01	695	.818	-.01
TEC04c	568	2.96	3.05	.036	.011	0.85	0.90	685	.021	-.10
TEC04d	567	2.09	2.12	.044	.014	1.05	1.10	681	.575	-.02
TEC04e	567	2.14	2.32	.042	.013	1.00	1.02	674	.000	-.18
TEC05a	568	2.64	2.50	.038	.012	0.90	0.95	684	.000	.15
TEC05b	565	2.79	2.75	.038	.012	0.91	0.95	6,936	.357	.04
TEC05c	565	2.73	2.67	.038	.012	0.90	0.96	682	.130	.06
TEC05d	561	2.63	2.62	.040	.012	0.95	0.96	6,938	.741	.01

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.
- 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 N s 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.
-  **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
-  **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
-  **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.