

NSSE 2022 Topical Module Report First-Year Experiences & Senior Transitions

University of Wyoming

This module includes a set of items only for first-year students and a set only for seniors, with questions adapted from the Beginning College Survey of Student Engagement and the Strategic National Arts Alumni Project, respectively. The first-year items focus on academic perseverance, help-seeking behaviors, and institutional commitment, while the senior items explore post-graduation plans, links between the academic major and future plans, and confidence with skills developed during college.

Comparison group details are in the online Selected Comparison Groups report, linked in the Data & Reports table on the Institution Interface. A PDF copy is also saved in your report download folder.

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Frequencies and Statistical Comparisons: First-Year Experiences University of Wyoming

				Frequen	cy D	istributio	ns ^a	Statistical Comparisons ^b		
				UW		Public Experienc	es.	UW	Pub Experie	
	Mariabla			OVV		Lxperienc	-		Lxperie	Effect
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	_
1. During the current school year	, about how of	ten have	you done the following?							
a. Studied when there were other	FYSfy01a	1	Never	19	6	83	4			
interesting things to do		2	Sometimes	139	41	746	35			
		3	Often	125	37	848	39	2.6	2.8 ***	20
		4	Very often	55	16	503	22		∇	
-			Total	338	100	2,180	100			
 Found additional information for course assignments when you 	FYSfy01b	1	Never	15	5	71	3			
didn't understand the material		2	Sometimes	95	29	618	29			
		3	Often	167	49	990	46	2.8	2.9	11
		4	Very often	58	17	494	22			
			Total	335	100	2,173	100			
c. Participated in course discussions, even when you	FYSfy01c	1	Never	23	7	131	6			
didn't feel like it		2	Sometimes	115	35	727	35			
		3	Often	136	41	849	39	2.7	2.7	07
		4	Very often	60	17	463	20			
1 41 11 4 6 11 1	EXCC 01.1	1	Total	334	100	2,170	100			
d. Asked instructors for help when you struggled with course	FYSfy01d	1	Never	39	12	249	11			
assignments		2	Sometimes	145	43	936	44	2.4		
		3	Often Vary often	117 33	35 10	654 328	30 15	2.4	2.5	08
		4	Very often Total	334	100	2,167	100			
e. Finished something you have	FYSfy01e	1	Never	8	3	18	1			
started when you encountered	risiyote	2	Sometimes	67	20	390	19			
challenges		3	Often	168	50	1,076	50	3.0	3.1	10
		4	Very often	92	27	685	30	3.0	3.1	10
		·	Total	335	100	2,169	100			
f. Stayed positive, even when you	FYSfy01f	1	Never	22	7	76	4			
did poorly on a test or	. , ,	2	Sometimes	116	34	727	33			
assignment		3	Often	138	40	897	42	2.7	2.8 *	15
		4	Very often	60	18	465	22		▽	.13
			Total	336	100	2,165	100		·	
2. During the current school year	. how difficult l	have the f	following been for you?							
a. Learning course material	FYSfy02a	1	Not at all difficult	14	4	79	4			
	-	2	2	48	14	334	16			
		3	3	91	27	693	32			
		4	4	119	36	728	33	3.6	3.4 *	.12
		5	5	48	14	245	11		Δ	
		6	Very difficult	16	5	85	4			
			Total	336	100	2,164	100			
b. Managing your time	FYSfy02b	1	Not at all difficult	14	4	123	5			
		2	2	43	13	308	14			
		3	3	90	27	552	25			
		4	4	96	28	631	30	3.7	3.6	.08
		5	5	55	17	351	16			
		6	Very difficult	38	11	201	9			
			Total	336	100	2,166	100			



Frequencies and Statistical Comparisons: First-Year Experiences University of Wyoming

				Frequency Distributions ^a Substitutions				Statistical (Comparis	sons
					1047				Public	
				UW		Experienc	es	UW	Experie	nces
	Variable									Effect
Item wording or description	name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	size ^d
c. Getting help with school work	FYSfy02c	1	Not at all difficult	45	13	272	12			
		2	2	84	25	573	26			
		3	3	90	27	626	30			
		4	4	73	22	433	20	3.0	3.0	.04
		5	5	29	8	185	9			
		6	Very difficult	15	5	73	3			
			Total	336	100	2,162	100			
d. Interacting with faculty	FYSfy02d	1	Not at all difficult	54	17	324	15			
		2	2	89	26	599	28			
		3	3	89	26	603	28			
		4	4	63	19	406	18	2.9	2.8	.03
		5	5	28	8	163	8			
		6	Very difficult	12	4	66	3			
			Total	335	100	2,161	100			
3. During the current school yea	ır, about how oft	ten have y	ou sought help with co	oursework from	the fo	ollowing sou	rces?			
a. Faculty members	FYSfy03a_16	1	Never	56	17	380	17			
		2	Sometimes	172	51	1,116	52			
		3	Often	93	27	505	24	2.2	2.2	01
		4	Very often	16	5	158	7	2.2	2.2	01
			Total	337	100	2,159	100			
b. Academic advisors	FYSfy03b_16	1	Never	132	39	1,083	49			
	, –	2	Sometimes	130	39	683	32			
		3	Often	62	18	303	15	1.9	1.7 *	.15
		4	Very often	13	4	91	4	1.0	Δ	.13
			Total	337	100	2,160	100		Δ	
c. Learning support services	FYSfy03c_16	1	Never	116	34	1,042	47			
(tutoring, writing center, success	,	2	Sometimes	132	40	660	31			
coaching, etc.)		3	Often	64	18	329	16	2.0	1.8 ***	20
		4	Very often	26	8	124	6	2.0		.20
		•	Total	338	100	2,155	100		Δ	
d. Friends or other students	FYSfy03d_16	1	Never	19	6	132	6			
	1 151,05u_10	2	Sometimes	101	30	616	29			
		3	Often	143	42	846	39	2.8	2.0	0.4
		4	Very often	75	22	565	25	4.0	2.8	04
		4	Total	338	100	2,159	100			
e. Family members	FYSfy03e_16	1	Never	111	34	770	36			
c. I aminy memocis	1 151y05c_10	2	Sometimes	131	39	708	33			
		3	Often	71	21	451	21	2.0	2 :	07
		3 4	Very often	23	6	230	10	2.0	2.1	07
		4	-	336			100			
f Other mercens CC	EVC6-026 17	1	Total		100	2,159				
f. Other persons or offices	FYSfy03f_16	1	Never	164	48	1,319	60			
		2	Sometimes	124	37	527	25	1.77		
		3	Often	39	12	231	11	1.7	1.6 *	.12
		4	Very often	11	3	84	4		Δ	
			Total	338	100	2,161	100			



Frequencies and Statistical Comparisons: First-Year Experiences University of Wyoming

				Frequen	cy D	istributio	Statistical Comparisons ^b			
						Public			Publ	ic
				UW		Experienc	es	UW	Experie	nces
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	Effect size ^d
4. During the current school ye	ar, did you take a co	urse int	tended for first-year stud	dents as desc	ribed	below? ^j				
(Comparison data are limited	d to NSSE 2022.)									
a. A course that introduces	FYSfycourse		Yes	163	49	960	48			
students to college and helps develop success skills (study skills, goal setting, time	(Means indicate the		No	129	38	987	43	49%	48%	.01
	percentage who responded "Yes.")		Unsure	45	14	201	9			
management, etc.)			Total	337	100	2,148	100			
b. A first-year seminar or other	FYSfyseminar		Yes	276	81	985	49			
course focused on a specialized	(Means indicate the		No	37	11	865	37	81%	49% ***	.69
topic or academic subject that emphasizes discussion and	percentage who		Unsure	25	8	300	14		A	
analysis	responded "Yes.")		Total	338	100	2,150	100			
5a. During the current school y	ear, have you seriou	sly con	sidered leaving this insti	tution? ^j						
	FYSfy04a		No	233	69	1,590	75			
	(Means indicate the		Yes	103	31	564	25	31%	25% *	.13
	percentage who responded "Yes.")		Total	336	100	2,154	100		Δ	



Frequencies and Statistical Comparisons: First-Year Experiences University of Wyoming

				Frequen	cy Di	istributio	Statistical Comparisons ^b			
						Public Experiences			Publi	С
				UW		Experienc	es	UW	Experie	
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	Effect size ^d
5b. [If answered "yes"] W	hy did you consider	leaving	(Select all that apply.)					-		
	FYSfy04b_1_16	_	Academics are too difficult	20	20	91	18			
	FYSfy04b_2_16	_	Academics are too easy	5	5	23	4			
	FYSfy04b_3_16	_	Other academic issues (major not offered, course availability, advising, credit transfer, etc.)	16	15	92	17			
	FYSfy04b_4_16	_	Financial concerns (costs or financial aid)	35	35	221	39			
	FYSfy04b_5_16	_	To change your career options (transfer to another school or program, military service, etc.)	28	29	93	18			
	FYSfy04b_6_16	_	Difficulty managing demands of school and work	17	16	98	19			
	FYSfy04b_7_16	_	Too much emphasis on partying	7	7	65	12			
	FYSfy04b_8_16	_	Not enough opportunities to socialize and have fun	13	13	103	19			
	FYSfy04b_9_16	_	Relations with faculty and staff	10	10	70	13			
	FYSfy04b_10_16	_	Relations with other students	18	17	125	23			
	FYSfy04b_11_16	_	Campus climate, location, or culture	30	28	152	27			
	FYSfy04b_12_16	_	Unsafe or hostile environment	7	7	53	9			
	FYSfy04b_13_16	_	Personal reasons (family issues, physical or mental health, homesickness, stress, etc.)	47	44	268	46			
	FYSfy04b_14_16	_	A reason not listed above, please specify:	19	19	79	15			
6. How important is it to you t		om this	institution?							
	FYSfy05	1	Not important	22	7	84	4			
		2	2	24	8	82	4			
		3	3	25	7	138	6	4.5		
		4	4	55	17	286	13	4.6	5.0 ***	31
		5	5 Very important	70 142	21	346	17 56		•	
		6	Very important Total	142 338	41 100	1,212 2,148	56 100			
			- Com	330	100	2,170	100			



Detailed Statistics: First-Year Experiences^e University of Wyoming

							ndard			Effect
	N	Me	ean	Standa	rd error ^f	devi	ation ^g	DF ^h	Sig.	size ^d
Variable								Comp	arisons with:	
name	UW	UW	Public Experiences	UW	Public Experiences	UW	Public Experiences	Public	Experiences	
FYSfy01a	338	2.62	2.79	.045	.015	0.82	0.83	3,221	.000	20
FYSfy01b	335	2.78	2.87	.043	.015	0.78	0.79	3,210	.064	11
FYSfy01c	334	2.68	2.73	.046	.016	0.84	0.85	3,203	.245	07
FYSfy01d	334	2.42	2.49	.045	.016	0.83	0.88	3,199	.149	08
FYSfy01e	335	3.02	3.09	.042	.013	0.76	0.72	3,203	.069	10
FYSfy01f	336	2.70	2.82	.046	.015	0.85	0.81	410	.013	15
FYSfy02a	336	3.57	3.44	.064	.021	1.17	1.11	3,197	.043	.12
FYSfy02b	336	3.75	3.64	.071	.024	1.31	1.30	3,199	.170	.08
FYSfy02c	336	3.02	2.96	.073	.024	1.33	1.26	3,194	.447	.04
FYSfy02d	335	2.87	2.84	.073	.024	1.34	1.27	3,192	.660	.03
FYSfy03a_16	337	2.19	2.21	.042	.015	0.77	0.81	3,191	.807	01
FYSfy03b_16	337	1.86	1.74	.046	.016	0.84	0.86	3,193	.010	.15
FYSfy03c_16	338	1.99	1.81	.050	.017	0.91	0.91	421	.001	.20
FYSfy03d_16	338	2.80	2.83	.046	.016	0.85	0.88	3,193	.500	04
FYSfy03e_16	336	1.99	2.06	.049	.018	0.89	0.99	437	.221	07
FYSfy03f_16	338	1.69	1.59	.043	.016	0.79	0.83	3,196	.033	.12
FYSfycourse ^k	337	.485	.479	.0273	.0094				.835	.01
$FYS fy seminar^k \\$	338	.808	.489	.0214	.0094				.000	.69
FYSfy04a ^k	336	.312	.254	.0253	.0082				.024	.13
FYSfy05	338	4.60	5.02	.086	.026	1.58	1.38	401	.000	31



Frequencies and Statistical Comparisons: Senior Transitions University of Wyoming

Seniors

				Frequen	cy Di	istributio	ns ^a	Statistical Comparisons			
						Public			Publ		
				UW		Experienc	es	UW	Experie	nces	
Item wording or description	Variable name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	Effect size ^d	
1. Do you expect to graduate t	this spring or summ	er?									
	FYSsr01_16		No	193	43	950	37				
			Yes	277	57	1,703	63				
			Total	470	100	2,653	100				
1a. [Excludes those who a	nswered "No," not	expectir	ng spring/summer gradua	ation] After g	aduat	ion, what be	est des	cribes your imme	diate plans	•	
	FYSsr01a	_	Full-time employment	155	57	1,012	59				
		_	Part-time employment	14	5	75	5				
			Graduate or	70	24	381	22				
			professional school								
		_	Military service	3	1	11	1				
			Service or volunteer activity (AmeriCorps,								
		_	Peace Corps, Teach for America, etc.)	1	0	5	0				
		_	Internship (paid or unpaid)	8	3	59	4				
		_	Travel or gap year	13	4	59	3				
		_	No plans at this time	5	2	69	4				
		_	Other, please specify:	12	4	32	2				
			Total	281	100	1,703	100				
1b. [If immediate plans inc	cluded full- or part-	time em	ployment] Do you alread	ly have a job	for aft	er graduatio	n? ^j				
	FYSsr01b		No	84	49	531	50				
	(Means indicate the		Yes, I will start a new job	59	34	342	32				
	percentage who responded "Yes.")		Yes, I will continue in my current job	25	17	206	18	51%	50%	.72	
			Total	168	100	1,079	100				
2. [Excludes those who answe for your post-graduation pl		cting sp	ring/summer graduation	To what exte	ent ha	ve courses ir	ı your ı	major(s) prepared	d you		
7	FYSsr02	1	Very little	22	8	97	6				
		2	Some	72	25	327	20				
		3	Quite a bit	108	39	643	39	2.9	3.0 **	19	
		4	Very much	78	27	623	35		∇		
			Total	280	100	1,690	100				
3. Do you intend to work even	ntually in a field rela	ited to y	our major(s)? ^j								
	FYSsr03		Yes	409	86	2,302	87				
	(Means indicate the		No	18	4	114	5	86%	87%	.81	
	percentage who responded "Yes.")		Unsure	46	10	223	9				
	responaea 1es.)		Total	473	100	2,639	100				
4. Do you plan to be self-empl	oyed, an independ	ent cont	ractor, or a freelance wo	rker someday	·? ^j		_				
	FYSsr04		Yes	96	20	466	18				
	(Means indicate the		No	214	46	1,443	53	20%	18%	.39	
	percentage who		Unsure	161	34	720	29				
	responded "Yes.")		Total	471	100	2,629	100				



Frequencies and Statistical Comparisons: Senior Transitions University of Wyoming

Seniors

				Frequen	cy Di		ns ^a	Statistical Comparisons			
				UW		Public Experience	oc	UW	Publ Experie		
	Variable			OW		Experienc	<u>es</u>	OVV	Experie	Effect	
Item wording or description	name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	size d	
. Do you plan to start your ov	wn business (nonpr	ofit or fo	or-profit) someday? ^j								
	FYSsr05		Yes	103	22	535	21				
	(Means indicate the		No	204	44	1,313	49	22%	21%	.67	
	percentage who		Unsure	165	34	791	30				
	responded "Yes.")		Total	472	100	2,639	100				
. How much confidence do yo	ou have in your abi	lity to co	mplete tasks requiring	the following s	kills ar	nd abilities?					
a. Critical thinking and analysis	FYSsr06a	1	Very little	3	1	14	1				
of arguments and information		2	Some	38	8	246	9				
		3	Quite a bit	203	43	1,034	39	3.4	3.4	02	
		4	Very much	225	49	1,330	51				
			Total	469	100	2,624	100				
b. Creative thinking and problem	FYSsr06b	1	Very little	4	1	15	1				
solving		2	Some	28	6	218	8				
		3	Quite a bit	186	40	998	38	3.5	3.4	.03	
		4	Very much	250	53	1,387	53				
			Total	468	100	2,618	100				
c. Research skills	FYSsr06c	1	Very little	11	2	60	2				
		2	Some	66	14	462	17				
		3	Quite a bit	204	44	1,083	41	3.2	3.2	.04	
		4	Very much	187	40	1,014	39				
			Total	468	100	2,619	100				
Clear writing	FYSsr06d	1	Very little	6	1	31	1				
		2	Some	64	14	339	13				
		3	Quite a bit	205	44	1,051	40	3.2	3.3	07	
		4	Very much	193	41	1,198	46				
			Total	468	100	2,619	100				
e. Persuasive speaking	FYSsr06e	1	Very little	11	2	94	3				
		2	Some	129	27	666	26				
		3	Quite a bit	200	42	968	37	3.0	3.0	06	
		4	Very much	129	28	891	34				
			Total	469	100	2,619	100				
f. Technological skills	FYSsr06f	1	Very little	15	3	86	3				
		2	Some	117	24	551	20				
		3	Quite a bit	196	42	1,049	39	3.0	3.1 *	11	
		4	Very much	140	31	932	37		∇		
			Total	468	100	2,618	100		,		
g. Financial and business	FYSsr06g	1	Very little	77	16	417	15				
management skills	_	2	Some	181	38	897	35				
		3	Quite a bit	145	31	756	29	2.5	2.6 *	12	
		4	Very much	65	15	545	21	2.0	∇	.12	
			Total	468	100	2,615	100		Ť		
h. Entrepreneurial skills	FYSsr06h	1	Very little	115	24	621	23				
1		2	Some	193	41	880	34				
		3	Quite a bit	106	23	654	25	2.2	2.4 **	13	
		4	Very much	54	12	460	18	4.4	7.4 ™	13	
		•	Total	468	100	2,615	100		•		



Frequencies and Statistical Comparisons: Senior Transitions University of Wyoming

Seniors

				Frequen	cy Di	istributio	Statistical Comparisons			
						Public			Publi	ic
				UW		Experienc	es	UW	Experie	nces
	Variable									Effect
Item wording or description	name	Values	Response options	Count	%	Count	%	Mean	Mean	size ^d
i. Leadership skills	FYSsr06i	1	Very little	14	3	75	3			
		2	Some	89	19	421	17			
		3	Quite a bit	163	35	975	37	3.2	3.2	01
		4	Very much	202	44	1,147	43			
			Total	468	100	2,618	100			
j. Networking and relationship	FYSsr06j	1	Very little	36	8	141	5			
building		2	Some	110	23	578	23			
		3	Quite a bit	171	37	978	37	2.9	3.0	09
		4	Very much	150	32	924	35			
			Total	467	100	2,621	100			
7. To what extent has your cou	ırsework in your	major(s) e	mphasized the follow	ing?						
a. Generating new ideas or	FYSsr07a	1	Very little	31	7	73	3			
brainstorming		2	Some	120	26	509	20			
		3	Quite a bit	175	38	1,054	40	2.9	3.1 ***	25
		4	Very much	142	30	982	37		∇	
			Total	468	100	2,618	100		·	
b. Taking risks in your	FYSsr07b	1	Very little	124	27	530	20			
coursework without fear of		2	Some	159	34	757	29			
penalty		3	Quite a bit	116	25	730	28	2.3	2.5 ***	26
		4	Very much	70	15	599	23		▽	.20
			Total	469	100	2,616	100		·	
c. Evaluating multiple	FYSsr07c	1	Very little	32	7	96	4			
approaches to a problem		2	Some	117	25	523	20			
		3	Quite a bit	199	43	1,049	40	2.9	3.1 ***	25
		4	Very much	121	26	946	36	_,,	∇	.20
			Total	469	100	2,614	100		·	
d. Inventing new methods to	FYSsr07d	1	Very little	76	16	262	10			
arrive at unconventional		2	Some	172	37	741	28			
solutions		3	Quite a bit	130	28	900	34	2.5	2.8 ***	29
		4	Very much	89	19	704	27	2.0	Z.8	.27
			Total	467	100	2,607	100		•	
8. Have you been creating an e	Portfolio or othe	er collectio						ogress and helps	vou reflect	on the
knowledge and skills you ha		c. conectio	ciae meiades sample	co or your work	over ti	3110 883 }	Jui pro	bicos, and neips	, ou renect	on the
Knowieuge and skins you na	FYSsr09_21		Yes	96	21	753	29			
			No	345	74	1,632	62	21%	29% ***	.00
			Unsure	26	6	219	9	41 /0	29% *** V	.00
			Total	467	100	2,604	100		٧	
			ı otai	407	100	2,004	100			

9. Is there anything your institution could have done better to prepare you for your career or further education? Please describe.

This final question asked students to respond in an open text box. Comments were recorded for 126 seniors. Responses are provided in your NSSE22 Student Comments Report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.



Detailed Statistics: Senior Transitions^e University of Wyoming

Seniors

					,		ndard	h	i	Effect
	N	Me	ean	Standa	rd error ^f	devi	ation ^g	DF ^h	Sig. ⁱ	size ^d
Variable								Comp	arisons with:	
name	UW	UW	Public Experiences	UW	Public Experiences	UW	Public Experiences	Public Experiences		
FYSsr01b ^k	167	.512	.497	.0388	.0151				.720	.03
FYSsr02	272	2.85	3.03	.056	.022	0.92	0.90	2,006	.003	19
FYSsr03 ^k	472	.863	.867	.0158	.0064				.810	01
FYSsr04 ^k	470	.199	.183	.0185	.0074				.391	.04
FYSsr05 ^k	471	.218	.210	.0191	.0077				.668	.02
FYSsr06a	468	3.40	3.41	.031	.013	0.66	0.68	3,220	.668	02
FYSsr06b	466	3.46	3.44	.030	.013	0.65	0.67	3,212	.537	.03
FYSsr06c	467	3.21	3.18	.035	.015	0.77	0.78	3,213	.398	.04
FYSsr06d	467	3.25	3.30	.034	.014	0.73	0.74	3,215	.141	07
FYSsr06e	468	2.96	3.02	.037	.016	0.80	0.85	660	.187	06
FYSsr06f	467	3.01	3.10	.038	.016	0.82	0.83	3,212	.027	11
FYSsr06g	467	2.45	2.57	.043	.019	0.93	0.98	656	.012	12
FYSsr06h	467	2.24	2.37	.044	.020	0.95	1.03	665	.005	13
FYSsr06i	467	3.19	3.19	.039	.016	0.84	0.83	3,212	.842	01
FYSsr06j	466	2.93	3.02	.043	.017	0.93	0.88	3,214	.066	09
FYSsr07a	466	2.91	3.11	.042	.016	0.91	0.82	603	.000	25
FYSsr07b	468	2.27	2.54	.047	.020	1.01	1.05	651	.000	26
FYSsr07c	468	2.86	3.08	.041	.016	0.88	0.85	3,209	.000	25
FYSsr07d	466	2.50	2.78	.046	.018	0.98	0.96	3,199	.000	29
FYSsr09_21k	466	0.21	0.29	.0188	.0087				.000	19



Endnotes University of Wyoming

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.
- ∇ 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. You may not see all of these symbols in your report.