

NSSE 2022 Topical Module Report Experiences with Writing

University of Houston-Downtown

This module is the result of an ongoing collaboration between NSSE and the Council of Writing Program Administrators. The questions touch on three aspects of good writing assignments—interactivity, meaning-making, and clarity. It complements questions on the core survey about how much writing students do, the nature of their course assignments, and perceived gains in written expression.

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 University of Houston-Downtown

First-Year Students

				Frequency Distributions ^a			Statistical Comparisons ^b			
						Writing			Writi	ng
				UHD		Experienc	es	UHD	Experie	nces
the account of a second of a s	Variable	Values ^c	Response options	Count	0/	Count	0/	Mana		Effect size ^d
Item wording or description	name			Count	%	Count	<u>%</u>	Mean	Mean	3126
. During the current school year, f						500	10			
Talked with a classmate, friend, or family member to develop your	WRI01a	1	No writing assignments	23	9	799	13			
ideas before starting your		2	Few writing assignments	50	19	1,629	25	2.4		
assignment		3	Some writing assignments	86	33	2,345	35	3.1	2.8 ***	.28
		4	Most writing assignments	74	28	1,496	21		Δ	
		5	All writing assignments	31	12	427	6			
	********		Total	264	100	6,696	100			
 Received feedback from a classmate, friend, or family 	WRI01b	1	No writing assignments	21	8	784	12			
member about a draft before		2	Few writing assignments	50	19	1,428	22			
turning in your final assignment		3	Some writing assignments	88	34	2,102	32	3.2	3.0 **	.17
		4	Most writing assignments	71	27	1,731	25		Δ	
		5	All writing assignments	32	13	615	9			
		,	Total	262	100	6,660	100			
c. Given feedback to a classmate	WRI01c	1	No writing assignments	25	9	1,024	16			
about a draft or outline		2	Few writing assignments	41	15	1,490	22			
		3	Some writing assignments	102	39	2,245	33	3.1	2.8 ***	.28
		4	Most writing assignments	64	24	1,488	22		Δ	
		5	All writing assignments	30	12	442	7			
			Total	262	100	6,689	100			
d. Summarized material you read such	WRI01d	1	No writing assignments	12	4	405	7			
as articles, books, or online		2	Few writing assignments	32	12	1,073	17			
publications		3	Some writing assignments	94	37	2,358	35	3.4	3.2 ***	.21
		4	Most writing assignments	82	31	2,213	32		Δ	
		5	All writing assignments	42	16	624	9			
			Total	262	100	6,673	100			
e. Analyzed or evaluated something	WRI01e	1	No writing assignments	10	4	248	4			
you read, researched, or observed		2	Few writing assignments	19	7	714	11			
		3	Some writing assignments	90	35	1,927	29	3.6	3.5	.07
		4	Most writing assignments	92	35	2,795	41			
		5	All writing assignments	50	19	989	15			
			Total	261	100	6,673	100			
f. Described your methods or	WRI01f	1	No writing assignments	29	11	1,174	17			
findings related to data you		2	Few writing assignments	39	14	1,345	20			
collected in lab or field work, a		3	Some writing assignments	99	38	2,044	31	3.1	2.9 ***	.22
survey project, etc.		4	Most writing assignments	68	26	1,620	25		Δ	
		5	All writing assignments	28	10	467	7		_	
			Total	263	100	6,650	100			
g. Argued a position using evidence	WRI01g	1	No writing assignments	8	3	562	9			
and reasoning		2	Few writing assignments	29	10	931	14			
		3	Some writing assignments	85	33	2,087	31	3.5	3.3 ***	.26
		4	Most writing assignments	96	37	2,232	33	3.0	Δ	.20
		5	All writing assignments	45	17	840	12			
			Total	263	100	6,652	100			



Frequencies and Statistical Comparisons University of Houston-Downtown

First-Year Students

Memore and the system of the					Frequency Distributions ^a			Statistical Comparisons ^b			
No month of the style and format of a specific field (anginecing, history, psychology, etc.) 1. Written in the style and format of a specific field (anginecing, history, psychology, etc.) 2. No writing assignments 2. N					Writing			Writing			
Response options Response op					UHD		Experienc	es	UHD	Experie	nces
Description of the content of the		Variable									Effect
Note Property Pr			Values ^c	· · ·					Mean	Mean	size ^d
A difference of the content of a position		WRI01h	1	No writing assignments	46	17	1,613	22			
A	numerical or statistical data		2	Few writing assignments	62	23	1,651	25			
Notable Contable			3	Some writing assignments	88	35	1,890	29	2.7	2.6 *	.13
Total No writing assignments Security Securit			4	Most writing assignments	47	18	1,124	18		Δ	
i. Written in the style and format of a specific field (engineering, history, psychology, etc.) 2 Few writing assignments 50 19 1,237 1,238 19 1,237 1,238 19 1,237 1,238 19 1,237 1,238			5	All writing assignments	18	7	371	6			
Specific field (engineering, history, psychology, etc.) 2 Few writing assignments 92 36 1.871 29 2.9 2.9 2.9 0.6				Total	261	100	6,649	100			
psychology, etc.) 3 Some writing assignments 4 Most writing assignments 5 All writing assignments 28 11 600 10 2.9 2.9 2.9 0.6 All writing assignments 3 3 3 2.273 3.1 2.8 **** 2.6 All writing assignments 4 Most writing assignments 5 8 21 1.366 20 3 Some writing assignments 4 Most writing assignments 5 8 21 1.366 20 3 Some writing assignments 5 8 21 1.366 20 3 Some writing assignments 6 23 9 1.217 18 3 Some writing assignments 8 3 33 2.2037 31 3.1 2.8 **** 2.6 All writing assignments 6 23 1 1.440 22 All writing assignments 7 3 160 33 All writing assignments 8 3 33 2.2037 31 3.1 2.8 **** 2.6 All writing assignments 8 3 33 2.2037 31 All writing assignments 9 3 16 2.2 3 1.440 22 All writing assignments 9 3 16 2.2 3 1.440 22 All writing assignments 9 3 36 2.2739 40 All writing assignments 9 3 36 2.273 31 All writing assignments 9 3 36 2.273 31 All writing assignments 9 3 36 2.273 31 All writing assignments 9 3 36 2.273 33 All writing	i. Written in the style and format of a	WRI01i	1	No writing assignments	39	15	1,238	19			
A Most writing assignments 92 36 1.871 29 2.9 0.6			2	Few writing assignments	50	19	1,287	19			
A most writing assignments A most writing what they wanted you to learn A most writing assignments A most writing assignment	psychology, etc.)		3	Some writing assignments	92	36	1,871	29	2.9	2.9	.06
Total 263 100 6,647 100			4	Most writing assignments	54	20	1,561	23			
j. Addressed a real or imagined audience such as your classmates, a politician, non-experts, etc. 2 Few writing assignments 3 Some writing assignments 4 Most writing assignments 6 0 23 1,440 22 5 All writing assignments 6 0 23 1,440 22 5 All writing assignments 7 3 169 3 6 20 100 6,640 100 2. During the current school year, for how many of your writing assignments assignments assignments assignments assignments assignments 8 WRIO2a 1 No writing assignments 9 4 Most writing assignments 1 2 4 9 472 7 4 Most writing assignments 9 3 3 6 2,739 40 6 All writing assignments 9 3 3 6 2,739 40 6 All writing assignments 9 3 3 6 2,739 40 6 All writing assignments 9 3 3 6 2,739 40 6 All writing assignments 9 3 3 6 2,739 40 7 Most writing assignments 9 3 3 6 2,739 40 8 Most writing assignments 9 3 3 6 2,739 40 9 472 7 1 Most writing assignments 9 3 3 6 2,739 40 9 472 7 1 Most writing assignments 9 3 3 6 2,739 40 9 472 7 1 Most writing assignments 9 3 3 6 2,739 40 9 472 7 1 Most writing assignments 9 3 3 6 2,739 40 1 Most writing			5	All writing assignments	28	11	690	10			
audience such as your classmates, a politician, non-experts, etc. 2 Few writing assignments 4 Most writing assignments 5 All writing assignments 6 0 23 1,440 22 5 All writing assignments 7 3 16,00 0,640 100 2. During the current school year, for how many of your writing assignments have your instructors done the following? a. Provided clear instructions describing what they wanted you to do 2 Few writing assignments 4 Most writing assignments 9 3 36 2,739 40 6 2 7 8 3 1,840 22 3 8 0 3 2,739 40 6 2 7 8 3 1,840 28 7 10 1 1,850 20 7 1 3 169 3 8 169 3 8 2 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 2 1 1 1,366 20 8 3 1 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 2 1 1 1,366 20 8 3 1,440 22 8 3 1,440 22 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Total	263	100	6,647	100			
audience such as your classmates, a politician, non-experts, etc. 2 Few writing assignments a politician, non-experts, etc. 3 Some writing assignments 60 23 1,440 22 5 100 6,640 100 2 All writing assignments 7 3 169 3	j. Addressed a real or imagined	WRI01j	1	No writing assignments	23	9	1,217	18			
a politician, non-experts, etc. 3 Some writing assignments 83 33 2,037 31 3.1 2,8 *** .26 4 Most writing assignments 60 23 1,440 22 5 All writing assignments 38 15 580 9 Total 262 100 6,640 100 2 During the current school year, for how many of your writing assignments 7 3 169 3 describing what they wanted you to do 2 Few writing assignments 7 3 169 3 describing what they wanted you to do 2 Few writing assignments 51 20 1,459 22 3.9 4 Most writing assignments 93 36 2,739 40 5 All writing assignments 88 33 1,804 28 Total 263 100 6,643 100 6 Explained in advance what they wanted you to learn 2 Few writing assignments 6 2 247 4 Wanted you to learn 2 Few writing assignments 6 2 247 4 Wanted you to learn 3 Some writing assignments 85 33 2,274 33 5 All writing assignments 80 30 1,615 25 Total 263 100 6,641 100 6 C. Explained in advance the criteria they would use to grade your assignment 2 Few writing assignments 49 19 1,398 21 6 C. Explained in advance the criteria they would use to grade your assignment 3 Some writing assignments 7 29 2,332 34 6 Most writing assignments 7 29 2,332 34 7 Most writing assignments 7 29 2,332 34 8 Most writing assignments 7 29 2,332 34 9 Most writing assignments 7 3 3 9 Most writing assignm		J			58	21	1.366	20			
A Most writing assignments S S S S S S S S S	a politician, non-experts, etc.				83	33			3.1	2 8 ***	26
Some writing assignments 38 15 580 9				0 0			,		3.1		.20
Total 262 100 6,640 100				0 0			,			Δ	
2. During the current school year, for how many of your writing assignments have your instructors done the following?			3								
a. Provided clear instructions describing what they wanted you to do 2 Few writing assignments 24 9 472 7 7 7 7 7 7 7 7 7											
describing what they wanted you to do 2 Few writing assignments		-	-	= =	-			_			
Some writing assignments 24 5 472 7 7 7 7 7 7 7 7 7		WRI02a		0 0							
3 Some writing assignments 4 Most writing assignments 93 36 2,739 40 5 All writing assignments 88 33 1,804 28 Total 263 100 6,643 100 b. Explained in advance what they wanted you to learn 2 Few writing assignments 3 Some writing assignments 4 Most writing assignments 5 All writing assignments 8 33 2,274 33 4 Most writing assignments 8 33 2,274 33 5 All writing assignments 8 33 2,274 33 5 All writing assignments 8 30 1,615 25 Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 3 Some writing assignments 1 No writin				0 0							
5 All writing assignments 88 33 1,804 28 Total 263 100 6,643 100 Explained in advance what they wanted you to learn 2 Few writing assignments 25 9 713 11 3 Some writing assignments 85 33 2,274 33 4 Most writing assignments 85 33 2,274 33 5 All writing assignments 80 30 1,615 25 Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 2 Few writing assignments 19 7 479 7 3 Some writing assignments 49 19 1,398 21 4 Most writing assignments 76 29 2,332 34 5 All writing assignments 113 43 2,251 35 5 All writing assignments 113 43 2,251 35 6 2 247 4 7 3.8 3.7 * .13 A A A A A A A A A							· · · · · ·		3.9	3.8	.05
Description Total Description Total Description			4	Most writing assignments	93	36	2,739	40			
b. Explained in advance what they wanted you to learn Variable Variable			5	All writing assignments	88	33	1,804	28			
wanted you to learn 2 Few writing assignments 3 Some writing assignments 67 25 1,792 27 3.8 3.7 * .13 4 Most writing assignments 85 33 2,274 33 5 All writing assignments 80 30 1,615 25 Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 3 Some writing assignments 19 7 479 7 3 Some writing assignments 49 19 1,398 21 4 Most writing assignments 5 All writing assignments 49 19 1,398 21 4.0 3.9 * .13 A Most writing assignments 5 All writing assignments 113 43 2,251 35				Total	263	100	6,643	100			
3 Some writing assignments 67 25 1,792 27 4 Most writing assignments 85 33 2,274 33 5 All writing assignments 80 30 1,615 25 Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 3 Some writing assignments 19 7 479 7 3.9 4.0 3.9 ★ .13 4 Most writing assignments 49 19 1,398 21 4 Most writing assignments 5 All writing assignments 113 43 2,251 35		WRI02b	1	No writing assignments	6	2	247	4			
4 Most writing assignments	wanted you to learn		2	Few writing assignments	25	9	713	11			
5 All writing assignments 80 30 1,615 25 Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 3 Some writing assignments 49 19 1,398 21 4.0 3.9 * .13 4 Most writing assignments 76 29 2,332 34 5 All writing assignments 113 43 2,251 35			3	Some writing assignments	67	25	1,792	27	3.8	3.7 *	.13
Total 263 100 6,641 100 c. Explained in advance the criteria they would use to grade your assignment 1 No writing assignments 5 2 187 3 3 Some writing assignments 19 7 479 7 4 Most writing assignments 49 19 1,398 21 4 Most writing assignments 76 29 2,332 34 5 All writing assignments 113 43 2,251 35			4	Most writing assignments	85	33	2,274	33		Δ	
c. Explained in advance the criteria they would use to grade your assignment 1 No writing assignments 5 2 187 3 479 7 479 7 479 7 479 7 479 7 479 7 479 7 479 479			5	All writing assignments	80	30	1,615	25			
they would use to grade your 2 Few writing assignments 19 7 479 7 assignment 3 Some writing assignments 49 19 1,398 21 4.0 3.9 * .13 4 Most writing assignments 76 29 2,332 34				Total	263	100	6,641	100			
assignment 3 Some writing assignments 49 19 1,398 21 4.0 3.9 * .13 4 Most writing assignments 76 29 2,332 34 5 All writing assignments 113 43 2,251 35	c. Explained in advance the criteria	WRI02c	1	No writing assignments	5	2	187	3			
3 Some writing assignments 49 19 1,398 21 4.0 3.9 * .13 4 Most writing assignments 76 29 2,332 34 5 All writing assignments 113 43 2,251 35 △			2	Few writing assignments	19	7	479	7			
4 Most writing assignments 76 29 2,332 34 △ 5 All writing assignments 113 43 2,251 35	assignment		3	Some writing assignments	49	19	1,398	21	4.0	3.9 *	.13
5 All writing assignments 113 43 2,251 35			4	Most writing assignments	76	29	2,332	34			
Total 262 100 6,647 100			5	All writing assignments	113	43	2,251	35			
				Total	262	100	6,647	100			



Frequencies and Statistical Comparisons University of Houston-Downtown

Seniors

				Frequency Distributions ^a			Statistical Comparisons ^b			
						Writing			Writ	ing
				UHD		Experienc	es	UHD	Experie	ences
	Variable									Effect
Item wording or description	name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	size ^d
. During the current school year, for		y writing a	assignments have you do	ne the follow	ing?					
a. Talked with a classmate, friend, or	WRI01a	1	No writing assignments	118	11	1,026	14			
family member to develop your ideas before starting your		2	Few writing assignments	223	21	1,837	25			
assignment		3	Some writing assignments	387	37	2,611	33	2.9	2.8 ***	.12
_		4	Most writing assignments	245	23	1,624	21		Δ	
		5	All writing assignments	85	8	560	7			
			Total	1,058	100	7,658	100			
b. Received feedback from a	WRI01b	1	No writing assignments	194	18	1,217	17			
classmate, friend, or family member about a draft before		2	Few writing assignments	240	23	1,870	25			
turning in your final assignment		3	Some writing assignments	334	32	2,352	31	2.8	2.8	01
		4	Most writing assignments	211	20	1,625	20			
		5	All writing assignments	77	7	563	7			
			Total	1,056	100	7,627	100			
c. Given feedback to a classmate	WRI01c	1	No writing assignments	241	22	1,520	21			
about a draft or outline		2	Few writing assignments	244	23	1,903	25			
		3	Some writing assignments	330	31	2,519	33	2.6	2.6	.01
		4	Most writing assignments	182	17	1,317	17			
		5	All writing assignments	66	6	408	5			
			Total	1,063	100	7,667	100			
d. Summarized material you read such	WRI01d	1	No writing assignments	80	8	466	6			
as articles, books, or online		2	Few writing assignments	138	13	1,055	14			
publications		3	Some writing assignments	318	31	2,467	32	3.3	3.3	.00
		4	Most writing assignments	371	35	2,616	34			
		5	All writing assignments	147	14	1,045	13			
			Total	1,054	100	7,649	100			
e. Analyzed or evaluated something	WRI01e	1	No writing assignments	52	5	284	4			
you read, researched, or observed		2	Few writing assignments	116	11	666	9			
		3	Some writing assignments	276	27	1,924	25	3.5	3.7 **	11
		4	Most writing assignments	402	38	3,235	42		∇	
		5	All writing assignments	207	19	1,549	20			
			Total	1,053	100	7,658	100			
f. Described your methods or	WRI01f	1	No writing assignments	142	13	1,025	13			
findings related to data you		2	Few writing assignments	168	16	1,411	18			
collected in lab or field work, a		3	Some writing assignments	291	28	2,182	29	3.1	3.1	.05
survey project, etc.		4	Most writing assignments	311	30	2,175	29	0.1	5.1	.02
		5	All writing assignments	141	13	842	11			
			Total	1,053	100	7,635	100			
g. Argued a position using evidence	WRI01g	1	No writing assignments	117	11	797	10			
and reasoning	Ü	2	Few writing assignments	181	17	1,144	15			
		3	Some writing assignments	303	28	2,250	30	3.2	3.2	06
		4	Most writing assignments	314	30	2,400	31	J. M	5.2	00
		5	All writing assignments	137	13	1,049	14			
			5 6			,				



Frequencies and Statistical Comparisons University of Houston-Downtown

Seniors

				Frequency Distributions ^a			Statistical Comparisons ^b			
						Writing			Writing	
				UHD		Experiences		UHD	Experiences	
	Variable					·				Effect
Item wording or description	name	Values ^c	Response options	Count	%	Count	%	Mean	Mean	size ^d
h. Explained in writing the meaning of	WRI01h	1	No writing assignments	192	18	1,289	16			
numerical or statistical data		2	Few writing assignments	208	19	1,681	21			
		3	Some writing assignments	328	32	2,301	30	2.9	2.9	03
		4	Most writing assignments	233	22	1,719	24			
		5	All writing assignments	94	9	643	9			
			Total	1,055	100	7,633	100			
i. Written in the style and format of a	WRI01i	1	No writing assignments	166	16	900	12			
specific field (engineering, history,		2	Few writing assignments	160	15	979	13			
psychology, etc.)		3	Some writing assignments	268	26	1,732	23	3.1	3.4 ***	19
		4	Most writing assignments	272	26	2,276	30		∇	
		5	All writing assignments	184	17	1,747	22			
			Total	1,050	100	7,634	100			
j. Addressed a real or imagined	WRI01j	1	No writing assignments	189	17	1,346	18			
audience such as your classmates,		2	Few writing assignments	191	18	1,633	22			
a politician, non-experts, etc.		3	Some writing assignments	320	30	2,237	29	2.9	2.9	.05
		4	Most writing assignments	240	23	1,619	21		2.7	.00
		5	All writing assignments	112	11	794	11			
			Total	1,052	100	7,629	100			
2. During the current school year, f	or how man	, of your u	uriting accionments have	vour instruct	ore de	no the fello	wing?			
a. Provided clear instructions	WRI02a	y Oi youi w 1	No writing assignments	your <i>mstruct</i> 43	<i>01</i> 3 uc	203	wilig: 3			
describing what they wanted you to	W KIOZa	2	Few writing assignments	96	10	472	6			
do		3	Some writing assignments	214	20	1,401	18	2.0		
		4	Most writing assignments	397	37	3,309	43	3.8	3.9 ***	13
		5		303	29	2,249	29		∇	
		3	All writing assignments	1,053	100		100			
b. Emploined in advance and at these	WRI02b	- 1	Total	,		7,634				
 Explained in advance what they wanted you to learn 	W KIU2b	1	No writing assignments	55	5 9	301	4			
wanted you to rearr		2	Few writing assignments	96		728	10	2.7		
		3	Some writing assignments	239	23	1,794	24	3.7	3.7	.00
		4	Most writing assignments	361	34	2,727	36			
		5	All writing assignments	303	28	2,077	27			
	****		Total	1,054	100	7,627	100			
 Explained in advance the criteria they would use to grade your 	WRI02c	1	No writing assignments	48	5	225	3			
assignment		2	Few writing assignments	64	6	453	6			
		3	Some writing assignments	202	19	1,388	18	3.9	4.0 *	08
		4	Most writing assignments	361	34	2,729	36		∇	
		5	All writing assignments	379	35	2,836	37			
			Total	1,054	100	7,631	100			



Detailed Statistics^e University of Houston-Downtown

First-Year Students

						Stan	dard			Effect
	N	Mean		Standa	rd error ^f	devia	tion ^g	DF ^h	Sig.	size ^d
Variable name	UHD	UHD	Writing Experiences	UHD	Writing Experiences	UHD	Writing Experiences		arisons with:	
			·		·		•			
WRI01a	263	3.14	2.83	.070	.011	1.13	1.10	10,757	.000	.28
WRI01b	262	3.18	2.98	.069	.011	1.11	1.15	10,708	.005	.17
WRI01c	261	3.15	2.82	.068	.011	1.11	1.14	10,751	.000	.28
WRI01d	262	3.43	3.21	.064	.010	1.03	1.04	10,717	.001	.21
WRI01e	260	3.58	3.50	.062	.010	1.00	1.01	10,717	.248	.07
WRI01f	262	3.11	2.85	.069	.012	1.11	1.18	276	.000	.22
WRI01g	262	3.54	3.25	.061	.011	0.99	1.12	279	.000	.26
WRI01h	260	2.75	2.59	.071	.012	1.15	1.18	10,668	.037	.13
WRI01i	262	2.94	2.86	.073	.012	1.18	1.25	276	.305	.06
WRI01j	261	3.14	2.82	.072	.012	1.16	1.21	10,673	.000	.26
WRI02a	262	3.87	3.82	.065	.010	1.06	1.01	10,678	.462	.05
WRI02b	262	3.80	3.65	.065	.011	1.04	1.09	10,666	.031	.13
WRI02c	261	4.05	3.91	.064	.010	1.03	1.06	10,681	.036	.13



Detailed Statistics^e University of Houston-Downtown

Seniors

	N	N Mean Standard error ^f			Stan- devia		DF ^h	Sig. ⁱ	Effect size ^d	
Variable name	UHD	UHD	Writing Experiences	UHD	Writing Experiences	UHD	Writing Experiences	•	grisons with:	
WRI01a	1,064	2.95	2.81	.034	.010	1.10	1.13	1,272	.000	.12
WRI01b	1,063	2.76	2.76	.036	.011	1.18	1.16	12,978	.850	01
WRI01c	1,070	2.62	2.61	.036	.010	1.18	1.14	1,252	.686	.01
WRI01d	1,061	3.33	3.34	.034	.010	1.11	1.08	13,005	.974	.00
WRI01e	1,061	3.55	3.66	.033	.009	1.07	1.02	1,236	.002	11
WRI01f	1,060	3.13	3.07	.038	.011	1.22	1.20	12,975	.125	.05
WRI01g	1,059	3.17	3.23	.037	.011	1.19	1.18	12,995	.084	06
WRI01h	1,061	2.86	2.90	.037	.011	1.21	1.19	12,983	.302	03
WRI01i	1,057	3.14	3.38	.040	.012	1.31	1.28	12,985	.000	19
WRI01j	1,060	2.92	2.86	.038	.011	1.24	1.24	12,978	.147	.05
WRI02a	1,060	3.77	3.89	.033	.009	1.09	0.99	1,219	.000	13
WRI02b	1,060	3.71	3.71	.035	.010	1.13	1.09	12,974	.998	.00
WRI02c	1,061	3.89	3.97	.034	.009	1.10	1.03	1,233	.019	08



Endnotes University of Houston-Downtown

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.