

NSSE 2017 & 2018 Topical Modules

U.S. Summary Frequencies by Related-Major Category

Development of Transferable Skills

First-Year Students

Item wording or description	Variable name	Response options	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1. During the current school year, whether course-related or not, about how often have you done the following?																								
a. Discussed or debated an issue of social, political, or philosophical importance	TRN01a	Never	188	10	291	12	156	14	172	9	397	13	68	9	150	11	213	14	450	17	119	15	2,409	13
		Sometimes	649	32	933	40	441	37	578	26	1,145	37	252	33	521	38	764	41	1,148	41	297	32	7,345	37
		Often	654	31	777	31	410	31	741	35	1,005	33	272	33	448	32	588	30	820	30	280	31	6,502	32
		Very often	611	27	443	18	236	18	672	30	503	16	191	25	264	19	299	15	386	13	206	23	4,096	19
		Total	2,102	100	2,444	100	1,243	100	2,163	100	3,050	100	783	100	1,383	100	1,864	100	2,804	100	902	100	20,352	100
b. Made a speech to a group	TRN01b	Never	507	25	767	31	415	36	671	32	840	29	150	21	328	25	518	30	920	35	303	37	5,932	31
		Sometimes	891	43	1,136	46	552	42	906	40	1,228	40	301	38	591	42	925	48	1,142	40	325	35	8,674	42
		Often	443	20	393	16	205	16	402	19	693	22	209	26	316	23	330	17	519	18	179	18	3,977	19
		Very often	259	12	147	6	68	6	181	9	286	9	124	15	149	11	91	5	218	7	94	10	1,756	8
		Total	2,100	100	2,443	100	1,240	100	2,160	100	3,047	100	784	100	1,384	100	1,864	100	2,799	100	901	100	20,339	100
c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	Never	123	6	138	6	97	9	143	8	217	8	33	4	79	6	84	6	215	9	96	12	1,365	8
		Sometimes	684	34	891	36	456	36	738	34	1,063	35	251	32	470	33	594	33	1,031	36	310	35	7,101	35
		Often	775	36	941	38	448	36	810	37	1,190	38	331	43	552	39	807	41	1,063	38	310	32	7,812	38
		Very often	514	24	479	20	240	19	469	21	573	19	169	21	281	22	377	20	495	17	185	20	4,057	20
		Total	2,096	100	2,449	100	1,241	100	2,160	100	3,043	100	784	100	1,382	100	1,862	100	2,804	100	901	100	20,335	100
d. Discussed the ethical consequences of a course of action	TRN01d	Never	242	12	342	15	185	16	237	12	380	13	82	11	186	14	257	15	482	18	126	14	2,762	14
		Sometimes	765	37	989	40	518	42	764	36	1,229	41	329	43	572	41	803	44	1,128	40	321	36	8,105	40
		Often	720	34	802	32	385	29	790	36	1,080	35	260	32	447	32	616	32	864	30	282	30	6,719	32
		Very often	370	17	308	13	154	14	369	17	357	11	113	14	177	13	189	9	326	12	171	19	2,743	13
		Total	2,097	100	2,441	100	1,242	100	2,160	100	3,046	100	784	100	1,382	100	1,865	100	2,800	100	900	100	20,329	100
e. Creatively thought about new ideas or about ways to improve things	TRN01e	Never	76	4	166	8	69	6	108	6	152	5	33	4	47	4	81	6	174	7	58	7	1,062	6
		Sometimes	463	24	826	34	410	33	669	31	1,018	33	211	29	450	33	527	30	1,019	37	292	33	6,474	32
		Often	801	37	997	40	507	38	917	42	1,295	43	321	40	608	43	854	45	1,126	40	352	38	8,405	41
		Very often	763	35	446	19	256	23	465	21	579	19	219	27	278	20	403	20	481	17	196	22	4,389	21
		Total	2,103	100	2,435	100	1,242	100	2,159	100	3,044	100	784	100	1,383	100	1,865	100	2,800	100	898	100	20,330	100
f. Critically evaluated multiple solutions to a problem	TRN01f	Never	93	5	152	7	54	4	106	5	148	5	39	5	55	4	64	5	170	7	63	8	1,046	6
		Sometimes	599	28	797	33	378	31	685	32	1,033	34	244	32	481	35	523	29	1,009	37	287	32	6,654	33
		Often	842	40	1,044	41	531	41	915	42	1,338	44	334	42	596	43	838	44	1,146	40	353	39	8,562	42
		Very often	565	26	442	19	276	24	451	21	526	17	167	21	249	19	440	22	476	17	197	22	4,061	20
		Total	2,099	100	2,435	100	1,239	100	2,157	100	3,045	100	784	100	1,381	100	1,865	100	2,801	100	900	100	20,323	100
g. Discussed complex problems with others to develop a better solution	TRN01g	Never	140	7	191	8	82	8	144	8	200	7	44	6	85	6	89	6	242	9	80	10	1,461	8
		Sometimes	708	34	843	35	414	35	732	34	1,116	37	280	37	513	37	539	29	1,042	37	295	33	7,105	35
		Often	752	36	978	39	500	37	863	39	1,221	40	313	38	556	40	828	44	1,074	38	347	38	8,009	39
		Very often	492	23	423	18	242	21	419	19	505	16	144	19	224	17	405	21	440	16	178	19	3,719	18
		Total	2,092	100	2,435	100	1,238	100	2,158	100	3,042	100	781	100	1,378	100	1,861	100	2,798	100	900	100	20,294	100

Note: Results weighted by institution-reported sex, enrollment status, and institution size. Counts are not weighted. Total includes unclassified and undecided.

NSSE 2017 & 2018 Topical Modules

U.S. Summary Frequencies by Related-Major Category

Development of Transferable Skills

First-Year Students

Item wording or description	Variable name	Response options	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:																										
a. Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	Never	75	4	78	3	81	7	59	3	112	4	18	2	39	3	127	8	102	4	27	3	796	4		
		Sometimes	562	30	632	27	403	32	454	22	816	28	212	30	296	23	762	41	683	25	193	22	5,480	28		
		Often	829	38	958	39	478	38	848	39	1,253	40	284	36	570	40	642	34	1,153	41	351	39	7,978	39		
		Very often	627	28	768	31	277	23	797	36	860	28	266	31	473	34	330	17	866	30	331	36	6,050	29		
		Total	2,093	100	2,436	100	1,239	100	2,158	100	3,041	100	780	100	1,378	100	1,861	100	2,804	100	902	100	20,304	100		
b. Assessed the conclusions of a published work	TRN02b	Never	229	11	259	11	185	17	214	11	363	13	77	9	139	11	339	20	375	14	115	13	2,522	13		
		Sometimes	750	37	827	34	471	38	669	32	1,163	39	288	39	490	35	855	45	954	34	291	32	7,388	37		
		Often	686	32	835	34	402	31	807	37	1,046	34	266	34	504	36	475	25	972	34	305	34	6,805	33		
		Very often	425	20	503	21	171	14	459	21	467	15	150	18	242	18	186	10	498	17	184	21	3,533	17		
		Total	2,090	100	2,424	100	1,229	100	2,149	100	3,039	100	781	100	1,375	100	1,855	100	2,799	100	895	100	20,248	100		
c. Included ideas from more than one academic discipline	TRN02c	Never	217	11	236	10	178	15	175	9	331	12	64	8	123	10	253	15	299	12	101	12	2,158	11		
		Sometimes	749	37	858	35	468	37	701	33	1,091	36	282	39	470	34	805	43	1,001	36	293	33	7,375	37		
		Often	696	33	858	35	419	33	808	37	1,143	37	288	36	529	38	565	29	998	35	328	36	7,177	35		
		Very often	430	19	484	20	174	15	466	21	471	15	147	18	250	18	232	13	496	18	176	19	3,551	17		
		Total	2,092	100	2,436	100	1,239	100	2,150	100	3,036	100	781	100	1,372	100	1,855	100	2,794	100	898	100	20,261	100		
d. Presented multiple viewpoints or perspectives	TRN02d	Never	126	6	176	7	128	12	120	6	183	7	27	3	77	6	211	12	225	9	57	7	1,459	8		
		Sometimes	721	36	871	36	442	34	706	33	1,073	36	263	36	472	35	796	43	1,033	37	304	33	7,295	36		
		Often	789	36	916	38	486	39	848	38	1,227	40	326	41	543	39	612	32	1,026	37	344	38	7,736	38		
		Very often	454	21	464	19	173	15	482	23	551	18	169	20	280	20	238	13	510	18	194	22	3,766	18		
		Total	2,090	100	2,427	100	1,229	100	2,156	100	3,034	100	785	100	1,372	100	1,857	100	2,794	100	899	100	20,256	100		

Note: Results weighted by institution-reported sex, enrollment status, and institution size. Counts are not weighted. Total includes unclassified and undecided.

NSSE 2017 & 2018 Topical Modules

U.S. Summary Frequencies by Related-Major Category

Development of Transferable Skills

Seniors

Item wording or description	Variable name	Response options	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total			
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
1. During the current school year, whether course-related or not, about how often have you done the following?																										
a. Discussed or debated an issue of social, political, or philosophical importance	TRN01a	Never	178	8	302	13	231	18	217	7	789	16	90	9	265	15	402	17	720	18	127	8	3,690	14		
		Sometimes	659	27	933	34	516	33	859	26	1,988	37	330	29	695	37	983	37	1,643	39	436	28	9,865	34		
		Often	787	31	830	31	410	25	1,026	31	1,606	28	340	32	531	27	784	29	1,161	27	517	34	8,649	29		
		Very often	902	34	605	22	365	24	1,230	36	1,041	19	330	30	358	20	466	17	675	16	477	30	6,945	23		
		Total	2,526	100	2,670	100	1,522	100	3,332	100	5,424	100	1,090	100	1,849	100	2,635	100	4,199	100	1,557	100	29,149	100		
b. Made a speech to a group	TRN01b	Never	416	18	515	21	426	30	746	23	1,086	20	128	13	335	19	447	18	1,250	31	456	29	6,484	23		
		Sometimes	1,026	40	1,219	46	668	43	1,293	39	1,924	36	391	35	665	35	1,157	43	1,605	37	512	33	11,356	39		
		Often	661	25	627	22	300	19	768	22	1,446	26	328	30	494	27	668	25	894	21	346	23	7,007	23		
		Very often	425	17	310	11	126	8	523	16	973	18	244	22	349	19	363	14	447	11	243	15	4,295	15		
		Total	2,528	100	2,671	100	1,520	100	3,330	100	5,429	100	1,091	100	1,843	100	2,635	100	4,196	100	1,557	100	29,142	100		
c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	Never	112	5	119	5	117	9	161	5	263	6	28	3	86	5	99	4	327	8	119	7	1,611	6		
		Sometimes	804	31	894	33	542	34	1,033	30	1,461	27	282	24	589	30	774	29	1,388	33	452	29	8,956	30		
		Often	953	37	1,069	40	531	34	1,265	38	2,117	38	426	39	696	37	1,039	39	1,520	36	528	35	10,951	37		
		Very often	654	27	593	23	331	23	870	27	1,588	30	353	34	478	28	724	28	963	24	458	29	7,630	27		
		Total	2,523	100	2,675	100	1,521	100	3,329	100	5,429	100	1,089	100	1,849	100	2,636	100	4,198	100	1,557	100	29,148	100		
d. Discussed the ethical consequences of a course of action	TRN01d	Never	239	11	306	13	253	19	247	8	590	12	87	8	229	13	341	14	455	11	125	9	3,171	12		
		Sometimes	836	33	1,044	39	609	39	1,037	32	1,952	36	375	35	697	37	1,112	41	1,517	37	427	28	10,480	36		
		Often	886	34	898	32	424	26	1,235	37	1,936	35	405	36	615	33	806	30	1,453	34	561	36	9,957	33		
		Very often	563	22	425	16	234	16	814	23	950	18	223	21	307	17	373	14	774	18	444	27	5,543	19		
		Total	2,524	100	2,673	100	1,520	100	3,333	100	5,428	100	1,090	100	1,848	100	2,632	100	4,199	100	1,557	100	29,151	100		
e. Creatively thought about new ideas or about ways to improve things	TRN01e	Never	67	3	134	6	93	7	86	3	196	4	25	3	55	4	80	4	180	5	52	3	1,075	4		
		Sometimes	442	19	805	30	440	28	806	25	1,490	28	215	19	417	23	591	23	1,185	29	359	24	7,351	26		
		Often	884	34	1,136	42	576	37	1,395	41	2,269	41	430	39	785	41	1,082	40	1,851	43	649	41	12,019	40		
		Very often	1,131	44	601	22	416	28	1,039	31	1,469	27	415	39	588	33	877	33	982	23	501	31	8,690	30		
		Total	2,524	100	2,676	100	1,525	100	3,326	100	5,424	100	1,085	100	1,845	100	2,630	100	4,198	100	1,561	100	29,135	100		
f. Critically evaluated multiple solutions to a problem	TRN01f	Never	72	3	121	5	66	5	91	3	181	4	30	3	72	5	63	3	163	4	60	4	1,029	4		
		Sometimes	524	22	763	29	366	24	787	24	1,410	26	249	22	444	24	494	19	1,179	29	328	22	7,141	25		
		Often	974	37	1,133	42	618	39	1,410	42	2,371	42	477	44	790	41	1,074	41	1,759	42	654	42	12,229	41		
		Very often	947	37	654	24	470	32	1,040	31	1,462	27	335	31	542	30	997	37	1,088	25	517	32	8,723	30		
		Total	2,517	100	2,671	100	1,520	100	3,328	100	5,424	100	1,091	100	1,848	100	2,628	100	4,189	100	1,559	100	29,122	100		
g. Discussed complex problems with others to develop a better solution	TRN01g	Never	119	6	140	6	102	8	141	5	279	6	49	5	89	6	84	4	243	6	79	5	1,469	6		
		Sometimes	648	26	808	31	428	28	839	26	1,547	29	284	25	519	28	516	20	1,238	30	367	25	7,858	27		
		Often	947	36	1,122	41	531	34	1,358	40	2,215	40	436	40	760	40	1,021	38	1,742	41	605	39	11,644	39		
		Very often	803	32	594	22	454	30	981	29	1,363	25	320	29	478	26	1,004	38	972	23	500	31	8,092	28		
		Total	2,517	100	2,664	100	1,515	100	3,319	100	5,404	100	1,089	100	1,846	100	2,625	100	4,195	100	1,551	100	29,063	100		

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NSSE 2017 & 2018 Topical Modules

U.S. Summary Frequencies by Related-Major Category

Development of Transferable Skills

Seniors

Item wording or description	Variable name	Response options	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:																								
a. Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	Never	104	5	108	4	140	11	64	2	207	4	33	4	63	4	201	8	119	3	39	3	1,179	5
		Sometimes	563	23	507	20	496	33	419	14	1,343	26	199	19	359	20	870	33	694	17	180	12	6,102	22
		Often	805	31	946	35	471	29	998	30	2,025	37	399	36	652	34	881	33	1,371	33	461	29	9,802	33
		Very often	1,050	41	1,107	40	410	27	1,839	53	1,843	33	454	41	772	42	672	26	2,007	47	875	56	12,001	40
		Total	2,522	100	2,668	100	1,517	100	3,320	100	5,418	100	1,085	100	1,846	100	2,624	100	4,191	100	1,555	100	29,084	100
b. Assessed the conclusions of a published work	TRN02b	Never	275	11	211	9	301	22	205	7	813	16	114	12	228	13	539	22	363	9	151	10	3,541	13
		Sometimes	761	30	639	24	543	36	746	24	1,969	37	334	30	612	33	988	37	1,104	27	373	24	8,820	31
		Often	738	29	929	35	398	25	1,042	31	1,636	29	347	31	561	30	677	25	1,401	34	502	32	8,912	30
		Very often	742	29	891	32	270	18	1,319	38	983	18	289	27	441	25	410	16	1,313	31	520	34	7,737	26
		Total	2,516	100	2,670	100	1,512	100	3,312	100	5,401	100	1,084	100	1,842	100	2,614	100	4,181	100	1,546	100	29,010	100
c. Included ideas from more than one academic discipline	TRN02c	Never	197	9	215	9	239	17	170	6	503	10	82	8	129	8	337	14	310	8	112	7	2,510	10
		Sometimes	742	29	830	31	582	38	784	24	1,798	34	335	31	568	31	1,005	38	1,195	29	350	22	8,908	31
		Often	846	34	897	33	418	26	1,128	34	1,936	35	391	36	665	35	844	31	1,423	34	537	35	9,852	33
		Very often	730	28	722	27	276	18	1,234	36	1,165	21	278	25	482	27	437	17	1,258	29	553	36	7,768	26
		Total	2,515	100	2,664	100	1,515	100	3,316	100	5,402	100	1,086	100	1,844	100	2,623	100	4,186	100	1,552	100	29,038	100
d. Presented multiple viewpoints or perspectives	TRN02d	Never	163	7	234	10	238	17	122	4	390	8	62	6	110	6	390	16	257	7	64	5	2,213	9
		Sometimes	747	30	948	35	620	39	845	26	1,801	34	319	29	599	32	1,049	39	1,322	32	375	24	9,402	33
		Often	884	34	940	35	435	28	1,292	38	2,049	37	402	36	658	34	794	30	1,527	36	577	37	10,378	35
		Very often	727	29	545	20	221	15	1,065	32	1,158	21	303	28	479	27	396	15	1,085	25	540	34	7,083	24
		Total	2,521	100	2,667	100	1,514	100	3,324	100	5,398	100	1,086	100	1,846	100	2,629	100	4,191	100	1,556	100	29,076	100

Note: Results weighted by institution-reported sex, enrollment status, and institution size. Counts are not weighted. Total includes unclassified and undecided.

NSSE 2017 & 2018 Topical Modules

U.S. Summary Means and Standard Deviations by Related-Major Category

Development of Transferable Skills

First-Year Students

Item wording or description	Variable name	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total	
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
		1. During the current school year, whether course-related or not, about how often have you done the following?																					
a. Discussed or debated an issue of social, political, or philosophical importance	TRN01a	2.76	.96	2.54	.92	2.52	.95	2.87	.94	2.52	.92	2.73	.94	2.59	.92	2.46	.91	2.38	.91	2.61	.99	2.57	.94
b. Made a speech to a group	TRN01b	2.19	.95	1.98	.86	1.91	.86	2.05	.93	2.12	.93	2.35	.97	2.20	.94	1.98	.83	1.97	.90	2.01	.97	2.06	.91
c. Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	2.78	.88	2.72	.85	2.65	.89	2.72	.88	2.67	.87	2.81	.81	2.77	.86	2.74	.84	2.64	.87	2.61	.94	2.70	.87
d. Discussed the ethical consequences of a course of action	TRN01d	2.56	.91	2.43	.89	2.40	.91	2.58	.90	2.45	.85	2.48	.86	2.43	.89	2.35	.85	2.35	.91	2.54	.96	2.45	.89
e. Creatively thought about new ideas or about ways to improve things	TRN01e	3.03	.87	2.70	.86	2.78	.86	2.79	.84	2.75	.82	2.90	.84	2.80	.80	2.78	.83	2.67	.84	2.74	.88	2.77	.85
f. Critically evaluated multiple solutions to a problem	TRN01f	2.88	.86	2.72	.84	2.84	.84	2.78	.83	2.73	.80	2.80	.83	2.76	.79	2.84	.82	2.67	.83	2.74	.88	2.76	.83
g. Discussed complex problems with others to develop a better solution	TRN01g	2.74	.89	2.66	.86	2.71	.88	2.69	.86	2.66	.83	2.70	.84	2.68	.82	2.79	.84	2.60	.86	2.67	.89	2.68	.86
2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:																							
a. Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	2.91	.85	2.97	.84	2.76	.88	3.08	.84	2.91	.85	2.97	.84	3.04	.83	2.61	.86	2.97	.84	3.08	.84	2.92	.86
b. Assessed the conclusions of a published work	TRN02b	2.59	.93	2.64	.93	2.43	.93	2.67	.92	2.50	.89	2.60	.89	2.60	.90	2.26	.89	2.55	.94	2.63	.96	2.53	.93
c. Included ideas from more than one academic discipline	TRN02c	2.61	.92	2.65	.90	2.47	.92	2.70	.90	2.56	.89	2.62	.87	2.64	.89	2.40	.89	2.58	.91	2.63	.93	2.58	.90
d. Presented multiple viewpoints or perspectives	TRN02d	2.73	.86	2.68	.86	2.57	.89	2.77	.86	2.69	.84	2.78	.81	2.73	.85	2.45	.87	2.63	.87	2.75	.88	2.66	.86

Notes: Results weighted by sex, enrollment status, and institution size. See codebook for variable ranges. Categorical items are not listed. Total includes unclassified and undecided.

NSSE 2017 & 2018 Topical Modules

U.S. Summary Means and Standard Deviations by Related-Major Category

Development of Transferable Skills

		Seniors																						
Item wording or description	Variable name	Arts & Humanities		Bio, Agric, & Nat Res		Phys Sci, Math, CS		Social Sciences		Business		Comm, Media, PR		Education		Engineering		Health Professions		Social Svc Professions		Total		
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
1. During the current school year, whether course-related or not, about how often have you done the following?																								
a.	Discussed or debated an issue of social, political, or philosophical importance	TRN01a	2.91	.97	2.62	.97	2.54	1.04	2.96	.95	2.51	.98	2.83	.96	2.52	.98	2.46	.97	2.40	.96	2.86	.94	2.61	.99
b.	Made a speech to a group	TRN01b	2.42	.97	2.24	.90	2.05	.91	2.30	1.00	2.42	1.01	2.60	.97	2.46	1.00	2.35	.93	2.13	.97	2.25	1.03	2.30	.98
c.	Worked in a group with people who differed from you in terms of background, political orientation, points of view, etc.	TRN01c	2.86	.87	2.80	.84	2.71	.91	2.86	.87	2.92	.88	3.05	.83	2.87	.88	2.91	.86	2.75	.91	2.85	.92	2.85	.89
d.	Discussed the ethical consequences of a course of action	TRN01d	2.67	.94	2.51	.91	2.39	.96	2.75	.91	2.58	.92	2.70	.89	2.54	.93	2.45	.90	2.58	.91	2.83	.93	2.58	.93
e.	Creatively thought about new ideas or about ways to improve things	TRN01e	3.19	.85	2.80	.85	2.86	.91	3.00	.83	2.91	.84	3.13	.83	3.03	.84	3.02	.84	2.85	.83	3.01	.83	2.95	.85
f.	Critically evaluated multiple solutions to a problem	TRN01f	3.09	.85	2.85	.85	2.98	.88	3.00	.82	2.93	.83	3.02	.81	2.96	.86	3.12	.82	2.88	.83	3.02	.83	2.97	.84
g.	Discussed complex problems with others to develop a better solution	TRN01g	2.94	.90	2.79	.85	2.86	.94	2.94	.85	2.85	.87	2.94	.87	2.87	.87	3.10	.85	2.80	.86	2.96	.87	2.89	.87
2. During the current school year, whether course-related or not, about how often have you written something (paper, report, article, blog, etc.) that:																								
a.	Used information from a variety of sources (books, journals, Internet, databases, etc.)	TRN02a	3.09	.91	3.11	.88	2.73	.98	3.34	.81	2.98	.87	3.15	.85	3.15	.87	2.77	.93	3.23	.84	3.38	.81	3.08	.90
b.	Assessed the conclusions of a published work	TRN02b	2.76	1.00	2.91	.95	2.38	1.01	3.00	.95	2.49	.96	2.73	.98	2.66	.99	2.36	.99	2.86	.95	2.91	.98	2.68	1.00
c.	Included ideas from more than one academic discipline	TRN02c	2.82	.94	2.79	.94	2.45	.98	3.00	.92	2.67	.92	2.79	.91	2.81	.92	2.51	.93	2.85	.94	2.99	.94	2.76	.95
d.	Presented multiple viewpoints or perspectives	TRN02d	2.85	.92	2.66	.91	2.42	.94	2.98	.86	2.72	.89	2.87	.90	2.82	.90	2.45	.93	2.81	.89	3.01	.88	2.74	.92

Notes: Results weighted by sex, enrollment status, and institution size. See codebook for variable ranges. Categorical items are not listed. Total includes unclassified and undecided.