

NSSE 2016 Engagement Indicators

Detailed Statistics^a

University of Houston

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Academic Challenge												
Higher-Order Learning												
Univ of Houston (N = 253)	37.2	14.7	.92	15	25	40	50	60				
Public Over 20K Enrl	38.4	13.5	.13	20	30	40	50	60	261	-1.2	.217	-.085
Carnegie Class	38.6	13.4	.14	20	30	40	50	60	264	-1.4	.144	-.102
NSSE 2015 & 2016	38.8	13.7	.06	20	30	40	50	60	46,763	-1.6	.070	-.115
Top 50%	40.5	13.6	.09	20	30	40	50	60	257	-3.3	.000	-.244
Top 10%	42.7	13.7	.20	20	35	40	55	60	4,912	-5.5	.000	-.398
Reflective & Integrative Learning												
Univ of Houston (N = 259)	33.8	12.6	.78	17	26	34	40	57				
Public Over 20K Enrl	35.2	12.4	.11	17	26	34	43	60	11,946	-1.4	.069	-.114
Carnegie Class	35.2	12.3	.13	17	26	34	43	60	9,551	-1.3	.085	-.109
NSSE 2015 & 2016	35.6	12.5	.06	17	26	34	43	60	48,910	-1.8	.021	-.143
Top 50%	37.4	12.5	.08	17	29	37	46	60	23,274	-3.6	.000	-.285
Top 10%	39.5	12.8	.19	20	31	40	49	60	4,636	-5.7	.000	-.446
Learning Strategies												
Univ of Houston (N = 214)	34.6	13.6	.93	13	27	33	40	60				
Public Over 20K Enrl	38.3	14.1	.14	13	27	40	47	60	10,473	-3.7	.000	-.261
Carnegie Class	38.3	14.0	.16	20	27	40	47	60	8,407	-3.7	.000	-.263
NSSE 2015 & 2016	39.2	14.1	.07	20	27	40	53	60	42,793	-4.6	.000	-.323
Top 50%	41.2	14.1	.10	20	33	40	53	60	19,430	-6.5	.000	-.463
Top 10%	43.7	14.3	.20	20	33	47	60	60	5,149	-9.1	.000	-.641
Quantitative Reasoning												
Univ of Houston (N = 248)	27.3	15.6	.99	0	20	27	40	53				
Public Over 20K Enrl	28.5	15.9	.15	0	20	27	40	60	11,579	-1.3	.206	-.081
Carnegie Class	29.0	15.8	.17	0	20	27	40	60	9,269	-1.8	.082	-.112
NSSE 2015 & 2016	28.0	16.2	.07	0	20	27	40	60	47,314	-.7	.473	-.046
Top 50%	29.4	16.1	.10	0	20	27	40	60	27,484	-2.2	.034	-.136
Top 10%	31.3	16.2	.20	0	20	33	40	60	6,711	-4.0	.000	-.248
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 270)	29.6	14.1	.86	10	20	30	40	55				
Public Over 20K Enrl	33.4	14.1	.13	10	20	35	40	60	12,356	-3.8	.000	-.269
Carnegie Class	34.4	14.0	.14	15	25	35	45	60	9,884	-4.8	.000	-.345
NSSE 2015 & 2016	32.3	14.5	.06	10	20	30	40	60	50,628	-2.7	.002	-.188
Top 50%	35.2	13.8	.09	15	25	35	45	60	25,455	-5.6	.000	-.408
Top 10%	37.3	13.6	.19	15	25	40	45	60	5,574	-7.7	.000	-.566
Discussions with Diverse Others												
Univ of Houston (N = 216)	42.9	16.4	1.12	10	35	45	60	60				
Public Over 20K Enrl	41.4	15.6	.15	15	30	40	60	60	10,595	1.5	.156	.097
Carnegie Class	42.1	15.2	.17	20	30	40	60	60	8,512	.8	.464	.051
NSSE 2015 & 2016	40.4	16.0	.08	15	30	40	55	60	43,338	2.5	.021	.158
Top 50%	42.7	15.2	.10	20	35	40	60	60	22,448	.2	.830	.015
Top 10%	44.4	15.1	.18	20	35	45	60	60	6,927	-1.5	.156	-.098
Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 250)	16.6	15.1	.96	0	5	15	25	45				
Public Over 20K Enrl	19.6	14.5	.14	0	10	15	30	50	11,679	-3.0	.001	-.204

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Carnegie Class	20.1	14.3	.15	0	10	20	30	50	9,339	-3.5	.000	-.243
NSSE 2015 & 2016	20.5	14.7	.07	0	10	20	30	50	47,754	-3.9	.000	-.262
Top 50%	23.8	15.0	.12	0	15	20	35	55	15,692	-7.2	.000	-.477
Top 10%	26.9	16.0	.31	5	15	25	40	60	305	-10.3	.000	-.643
Effective Teaching Practices												
Univ of Houston (N = 253)	37.0	13.6	.85	16	28	36	48	60				
Public Over 20K Enrl	38.3	12.9	.12	20	28	40	48	60	11,713	-1.3	.104	-.103
Carnegie Class	38.2	12.6	.13	20	28	40	48	60	9,364	-1.3	.116	-.100
NSSE 2015 & 2016	39.4	13.4	.06	16	32	40	48	60	47,861	-2.5	.003	-.187
Top 50%	41.6	13.4	.10	20	32	40	52	60	19,619	-4.6	.000	-.343
Top 10%	43.8	13.5	.21	20	36	44	56	60	4,293	-6.8	.000	-.507
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 198)	40.4	11.5	.82	18	34	42	50	58				
Public Over 20K Enrl	41.1	12.2	.12	18	34	42	50	60	9,997	-.7	.436	-.056
Carnegie Class	41.5	11.7	.13	20	34	42	50	60	8,107	-1.1	.201	-.092
NSSE 2015 & 2016	41.8	12.5	.06	18	34	44	50	60	41,161	-1.4	.119	-.111
Top 50%	44.1	11.8	.09	22	38	46	52	60	16,463	-3.7	.000	-.311
Top 10%	45.9	12.1	.21	22	40	48	56	60	3,658	-5.5	.000	-.452
Supportive Environment												
Univ of Houston (N = 189)	37.5	12.3	.89	18	30	38	48	58				
Public Over 20K Enrl	37.3	13.6	.14	15	28	38	48	60	197	.2	.826	.015
Carnegie Class	37.7	13.2	.15	15	28	38	48	60	7,887	-.1	.896	-.010
NSSE 2015 & 2016	36.8	13.9	.07	14	28	38	48	60	190	.7	.429	.051
Top 50%	39.2	13.4	.10	18	30	40	50	60	18,638	-1.7	.091	-.124
Top 10%	40.9	13.3	.19	20	33	40	53	60	4,829	-3.3	.001	-.251

a. Results weighted by institution-reported sex and enrollment status (and institutional size for comparison groups).

b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.

c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI (equal to the sample mean $\pm$ 1.96 x SEM) is the range that is 95% likely to contain the true population mean.

d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.

e. Degrees of freedom used to compute the *t*-tests. Values vary from the total Ns due to weighting and whether equal variances were assumed.

f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance.

g. Effect size is the mean difference divided by the pooled standard deviation.