

NSSE 2013 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 = 353)	39.3	14.7	.78	15	30	40	50	60				
Public Over 20K Enrl	38.6	13.8	.12	15	30	40	50	60	12,774	.7	.379	.047
Carnegie Class	38.4	13.5	.16	15	30	40	50	60	381	.9	.271	.065
NSSE 2013	39.1	13.8	.06	20	30	40	50	60	53,273	.1	.839	.011
Top 50%	40.9	13.6	.09	20	30	40	50	60	361	-1.6	.043	-.117
Top 10%	42.7	13.7	.18	20	35	40	55	60	5,908	-3.5	.000	-.252
Reflective and Integrative Learning												
Univ of Houston (N = 377)	33.8	12.2	.63	17	23	34	40	54				
Public Over 20K Enrl	35.3	12.5	.11	17	26	34	43	60	13,307	-1.5	.022	-.119
Carnegie Class	34.7	12.3	.14	17	26	34	43	57	8,000	-.9	.181	-.071
NSSE 2013	35.7	12.6	.05	17	26	34	43	60	55,472	-1.9	.004	-.149
Top 50%	37.6	12.5	.08	17	29	37	46	60	24,222	-3.8	.000	-.303
Top 10%	39.4	12.5	.16	20	31	40	49	60	6,303	-5.6	.000	-.447
Learning Strategies												
Univ of Houston (N = 324)	37.6	14.5	.80	13	27	40	47	60				
Public Over 20K Enrl	39.0	14.1	.13	20	27	40	53	60	11,810	-1.4	.077	-.100
Carnegie Class	38.3	14.1	.17	20	27	40	47	60	7,142	-.7	.377	-.050
NSSE 2013	39.8	14.2	.06	20	27	40	53	60	49,606	-2.2	.006	-.152
Top 50%	41.8	14.1	.10	20	33	40	53	60	21,436	-4.2	.000	-.299
Top 10%	44.3	14.2	.21	20	33	47	60	60	5,062	-6.7	.000	-.471
Quantitative Reasoning												
Univ of Houston (N = 358)	26.9	16.7	.88	0	13	27	40	60				
Public Over 20K Enrl	27.6	16.2	.14	0	20	27	40	60	12,954	-.7	.424	-.043
Carnegie Class	28.5	15.9	.18	0	20	27	40	60	7,789	-1.6	.059	-.102
NSSE 2013	27.3	16.4	.07	0	20	27	40	60	54,149	-.4	.631	-.026
Top 50%	28.8	16.3	.09	0	20	27	40	60	30,816	-2.0	.023	-.120
Top 10%	30.5	16.2	.20	0	20	27	40	60	6,833	-3.6	.000	-.224
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 399)	32.6	15.0	.75	5	20	30	40	60				
Public Over 20K Enrl	31.5	14.1	.12	10	20	30	40	60	420	1.1	.161	.075
Carnegie Class	33.4	13.8	.16	10	25	35	40	60	434	-.8	.302	-.057
NSSE 2013	31.4	14.2	.06	10	20	30	40	60	56,759	1.1	.108	.081
Top 50%	34.5	13.7	.09	15	25	35	45	60	409	-1.9	.012	-.138
Top 10%	37.1	13.6	.19	15	25	35	45	60	452	-4.5	.000	-.329
Discussions with Diverse Others												
Univ of Houston (N = 326)	44.7	16.6	.92	10	35	50	60	60				
Public Over 20K Enrl	41.2	15.8	.15	15	30	40	60	60	11,920	3.5	.000	.219
Carnegie Class	41.4	15.3	.18	15	30	40	55	60	7,217	3.3	.000	.216
NSSE 2013	40.7	16.0	.07	15	30	40	55	60	50,192	4.0	.000	.248
Top 50%	43.2	15.4	.10	20	35	45	60	60	24,486	1.5	.078	.098
Top 10%	45.8	14.9	.22	20	40	50	60	60	363	-1.1	.263	-.071
Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 360)	16.5	14.2	.75	0	5	15	20	45				
Public Over 20K Enrl	18.7	14.2	.13	0	10	15	25	45	12,989	-2.1	.005	-.150

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Carnegie Class	19.4	14.0	.16	0	10	15	25	45	7,805	-2.9	.000	-.204
NSSE 2013	20.0	14.5	.06	0	10	20	30	50	54,333	-3.5	.000	-.241
Top 50%	23.4	15.0	.11	0	10	20	35	55	376	-6.9	.000	-.457
Top 10%	26.7	16.4	.32	0	15	25	40	60	500	-10.1	.000	-.626
Effective Teaching Practices												
Univ of Houston (N = 359)	39.0	13.8	.73	16	32	40	48	60				
Public Over 20K Enrl	39.2	13.1	.12	20	32	40	48	60	13,097	-.1	.874	-.009
Carnegie Class	38.3	12.6	.14	20	32	40	48	60	387	.7	.348	.055
NSSE 2013	40.4	13.3	.06	20	32	40	52	60	54,713	-1.4	.050	-.103
Top 50%	42.8	13.3	.10	20	35	44	56	60	19,595	-3.7	.000	-.281
Top 10%	44.7	13.8	.20	20	36	48	60	60	5,322	-5.6	.000	-.406
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 313)	36.4	13.6	.77	10	28	38	46	56				
Public Over 20K Enrl	40.7	12.5	.12	18	34	42	50	60	328	-4.3	.000	-.341
Carnegie Class	41.1	11.9	.15	20	34	42	50	60	336	-4.7	.000	-.393
NSSE 2013	41.7	12.5	.06	18	34	44	50	60	316	-5.3	.000	-.428
Top 50%	44.3	11.6	.09	22	38	46	53	60	321	-7.9	.000	-.681
Top 10%	46.3	12.0	.18	23	40	48	56	60	347	-9.9	.000	-.814
Supportive Environment												
Univ of Houston (N = 278)	36.4	14.5	.87	15	25	38	48	60				
Public Over 20K Enrl	37.1	13.7	.13	15	28	38	48	60	10,888	-.7	.391	-.052
Carnegie Class	37.4	13.0	.16	17	28	38	48	60	297	-1.0	.250	-.078
NSSE 2013	37.2	13.9	.07	14	28	38	48	60	46,274	-.7	.375	-.053
Top 50%	39.5	13.2	.09	18	30	40	50	60	283	-3.1	.000	-.236
Top 10%	41.4	12.9	.20	20	33	43	53	60	307	-5.0	.000	-.383

a. Results weighted by gender 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 is the range of values that is 95% likely to contain the true population mean, equal to the sample mean $\pm 1.96 * SEM$.

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.