

NSSE 2013 Engagement Indicators

Detailed Statistics^a

University of Houston

Detailed Statistics: Seniors

	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 = 595)	39.8	15.0	.61	15	30	40	50	60				
Public Over 20K Enrl	40.3	14.2	.11	15	30	40	50	60	18,843	-.5	.420	-.034
Carnegie Class	39.4	14.0	.14	15	30	40	50	60	661	.4	.518	.029
NSSE 2013	41.3	14.0	.05	20	30	40	55	60	73,917	-1.5	.009	-.107
Top 50%	43.5	13.7	.08	20	35	40	55	60	615	-3.7	.000	-.267
Top 10%	45.3	13.6	.15	20	40	45	60	60	666	-5.4	.000	-.397
Reflective and Integrative Learning												
Univ of Houston (N = 622)	36.3	13.8	.55	14	26	37	46	60				
Public Over 20K Enrl	38.1	13.1	.09	17	29	37	49	60	659	-1.7	.002	-.132
Carnegie Class	37.5	12.9	.13	17	29	37	46	60	693	-1.2	.033	-.093
NSSE 2013	38.9	12.9	.05	17	29	40	49	60	630	-2.6	.000	-.200
Top 50%	41.1	12.6	.08	20	31	40	51	60	645	-4.8	.000	-.377
Top 10%	43.1	12.6	.14	20	34	43	54	60	709	-6.7	.000	-.531
Learning Strategies												
Univ of Houston (N = 528)	39.3	15.1	.66	13	27	40	53	60				
Public Over 20K Enrl	39.9	14.8	.11	13	27	40	53	60	17,688	-.6	.371	-.040
Carnegie Class	38.4	14.8	.16	13	27	40	53	60	9,431	.9	.153	.064
NSSE 2013	40.7	14.7	.06	13	33	40	53	60	70,284	-1.4	.029	-.096
Top 50%	43.2	14.4	.08	20	33	40	60	60	33,790	-3.8	.000	-.267
Top 10%	45.4	14.0	.14	20	40	47	60	60	10,356	-6.1	.000	-.432
Quantitative Reasoning												
Univ of Houston (N = 602)	31.6	17.7	.72	0	20	33	40	60				
Public Over 20K Enrl	30.1	17.3	.13	0	20	27	40	60	19,149	1.5	.032	.089
Carnegie Class	30.5	17.1	.17	0	20	27	40	60	10,197	1.1	.131	.064
NSSE 2013	29.7	17.3	.06	0	20	27	40	60	75,254	1.9	.007	.110
Top 50%	31.1	17.2	.08	0	20	33	40	60	41,836	.5	.521	.026
Top 10%	32.6	16.9	.16	0	20	33	40	60	11,375	-1.0	.162	-.059
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 631)	33.3	14.4	.57	10	20	30	45	60				
Public Over 20K Enrl	32.4	14.4	.10	10	20	30	40	60	19,999	.9	.137	.060
Carnegie Class	33.2	14.5	.14	10	20	35	45	60	10,682	.0	.945	.003
NSSE 2013	31.7	14.6	.05	10	20	30	40	60	77,651	1.6	.007	.108
Top 50%	35.0	13.8	.08	15	25	35	45	60	654	-1.8	.002	-.127
Top 10%	37.5	13.5	.20	15	25	40	50	60	786	-4.2	.000	-.311
Discussions with Diverse Others												
Univ of Houston (N = 545)	46.6	15.8	.68	20	40	55	60	60				
Public Over 20K Enrl	42.3	16.0	.12	15	30	40	60	60	17,870	4.3	.000	.269
Carnegie Class	41.9	15.7	.17	15	30	40	60	60	9,520	4.7	.000	.300
NSSE 2013	41.7	16.1	.06	15	30	40	60	60	70,867	4.9	.000	.303
Top 50%	44.1	15.8	.08	20	35	45	60	60	38,183	2.6	.000	.161
Top 10%	45.8	15.6	.15	20	40	50	60	60	11,634	.8	.232	.052
Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 603)	21.4	17.0	.69	0	10	20	30	60				
Public Over 20K Enrl	22.0	15.8	.12	0	10	20	30	55	19,225	-.6	.367	-.037

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Carnegie Class	22.3	15.5	.16	0	10	20	30	55	667	-.9	.196	-.059
NSSE 2013	23.2	16.3	.06	0	10	20	35	55	75,300	-1.8	.006	-.112
Top 50%	29.7	16.1	.13	5	20	30	40	60	16,358	-8.3	.000	-.514
Top 10%	34.6	16.0	.37	10	20	35	45	60	2,504	-13.2	.000	-.812
Effective Teaching Practices												
Univ of Houston (N = 609)	39.6	14.0	.57	16	32	40	52	60				
Public Over 20K Enrl	39.9	13.6	.10	16	32	40	52	60	19,342	-.3	.644	-.019
Carnegie Class	39.2	13.1	.13	16	32	40	48	60	677	.5	.410	.036
NSSE 2013	41.1	13.8	.05	16	32	40	52	60	75,975	-1.5	.009	-.106
Top 50%	43.3	13.7	.08	20	36	44	56	60	27,883	-3.6	.000	-.264
Top 10%	45.3	13.5	.19	20	36	48	60	60	5,416	-5.7	.000	-.418
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 518)	39.3	13.2	.58	14	32	40	48	60				
Public Over 20K Enrl	41.3	11.9	.09	20	34	43	50	60	543	-2.0	.001	-.169
Carnegie Class	41.3	11.3	.12	20	34	42	50	60	564	-1.9	.001	-.169
NSSE 2013	42.8	11.9	.05	20	36	44	52	60	523	-3.5	.000	-.293
Top 50%	45.8	11.5	.08	24	40	48	55	60	535	-6.4	.000	-.559
Top 10%	47.6	11.6	.14	24	42	50	58	60	582	-8.3	.000	-.710
Supportive Environment												
Univ of Houston (N = 487)	32.7	15.3	.69	8	20	33	43	60				
Public Over 20K Enrl	33.0	14.3	.11	10	23	33	43	60	512	-.3	.619	-.024
Carnegie Class	33.1	13.7	.15	10	23	33	43	58	532	-.4	.556	-.030
NSSE 2013	33.1	14.4	.06	10	23	33	43	60	493	-.4	.574	-.027
Top 50%	36.2	13.7	.09	13	28	38	45	60	501	-3.5	.000	-.254
Top 10%	39.1	13.1	.21	18	30	40	50	60	578	-6.5	.000	-.484

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.