

NSSE 2015 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 = 274)	37.3	14.0	.84	15	25	40	45	60				
Southwest Public	38.7	14.3	.23	15	30	40	50	60	4,249	-1.4	.125	-.096
Carnegie Class	38.8	13.6	.14	20	30	40	50	60	10,212	-1.5	.079	-.107
NSSE 2014 & 2015	39.4	13.9	.06	20	30	40	50	60	61,648	-2.0	.017	-.145
Top 50%	41.0	13.7	.08	20	30	40	50	60	30,577	-3.6	.000	-.264
Top 10%	43.0	13.8	.18	20	35	40	55	60	6,359	-5.7	.000	-.413
Reflective & Integrative Learning												
Univ of Houston (N = 291)	33.9	12.4	.73	14	26	34	43	57				
Southwest Public	35.1	12.9	.20	17	26	34	43	60	4,461	-1.2	.115	-.096
Carnegie Class	35.3	12.6	.12	17	26	34	43	60	10,649	-1.4	.055	-.114
NSSE 2014 & 2015	36.0	12.7	.05	17	26	37	43	60	64,477	-2.1	.005	-.165
Top 50%	37.6	12.7	.07	17	29	37	46	60	32,723	-3.7	.000	-.293
Top 10%	39.6	12.8	.16	20	31	40	49	60	6,783	-5.7	.000	-.446
Learning Strategies												
Univ of Houston (N = 237)	37.4	13.3	.87	20	27	40	47	60				
Southwest Public	38.7	14.4	.24	13	27	40	53	60	3,935	-1.3	.163	-.093
Carnegie Class	39.0	14.1	.15	20	27	40	47	60	9,467	-1.6	.082	-.114
NSSE 2014 & 2015	39.7	14.3	.06	20	27	40	53	60	57,249	-2.4	.011	-.166
Top 50%	41.6	14.1	.09	20	33	40	53	60	27,479	-4.2	.000	-.301
Top 10%	44.4	14.0	.18	20	33	47	60	60	6,404	-7.0	.000	-.504
Quantitative Reasoning												
Univ of Houston (N = 283)	26.6	16.4	.98	0	13	27	33	60				
Southwest Public	28.8	16.7	.26	0	20	27	40	60	4,357	-2.2	.033	-.131
Carnegie Class	28.8	16.2	.16	0	20	27	40	60	10,376	-2.2	.024	-.137
NSSE 2014 & 2015	27.9	16.6	.07	0	20	27	40	60	62,745	-1.3	.181	-.080
Top 50%	29.4	16.6	.08	0	20	27	40	60	40,133	-2.8	.005	-.167
Top 10%	31.5	16.5	.19	0	20	33	40	60	8,172	-4.9	.000	-.296
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 321)	28.5	14.8	.82	5	20	25	40	55				
Southwest Public	32.8	14.2	.22	10	20	30	40	60	4,634	-4.3	.000	-.303
Carnegie Class	34.1	14.2	.14	15	25	35	45	60	10,980	-5.6	.000	-.392
NSSE 2014 & 2015	32.5	14.3	.06	10	20	30	40	60	66,399	-3.9	.000	-.275
Top 50%	35.1	13.8	.07	15	25	35	45	60	325	-6.6	.000	-.479
Top 10%	37.3	13.8	.15	15	25	35	50	60	8,358	-8.7	.000	-.630
Discussions with Diverse Others												
Univ of Houston (N = 237)	42.9	15.1	.98	15	35	40	60	60				
Southwest Public	40.8	16.8	.27	10	30	40	60	60	273	2.1	.044	.124
Carnegie Class	43.1	15.3	.16	20	35	40	60	60	9,583	-.2	.836	-.014
NSSE 2014 & 2015	41.1	16.1	.07	15	30	40	60	60	57,945	1.8	.083	.113
Top 50%	43.4	15.4	.08	20	35	45	60	60	33,666	-.5	.635	-.031
Top 10%	45.6	14.8	.17	20	40	50	60	60	7,794	-2.7	.005	-.185
Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 283)	15.1	13.8	.82	0	5	10	20	45				
Southwest Public	20.8	15.2	.24	0	10	20	30	55	332	-5.8	.000	-.381

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Carnegie Class	19.7	14.4	.14	0	10	20	25	50	10,405	-4.6	.000	-.322
NSSE 2014 & 2015	20.8	14.9	.06	0	10	20	30	50	285	-5.7	.000	-.383
Top 50%	24.0	15.2	.10	0	15	20	35	55	291	-9.0	.000	-.592
Top 10%	27.2	16.1	.27	5	15	25	40	60	346	-12.2	.000	-.764
Effective Teaching Practices												
Univ of Houston (N = 287)	39.8	13.6	.80	16	32	40	48	60				
Southwest Public	39.4	13.9	.22	16	28	40	52	60	4,401	.5	.572	.035
Carnegie Class	38.8	12.7	.13	20	32	40	48	60	10,471	1.1	.161	.084
NSSE 2014 & 2015	40.1	13.4	.05	20	32	40	52	60	63,448	-.3	.725	-.021
Top 50%	42.3	13.2	.08	20	32	40	52	60	24,409	-2.5	.002	-.188
Top 10%	44.6	13.3	.19	20	36	44	56	60	5,092	-4.8	.000	-.360
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 225)	37.8	13.4	.90	14	30	40	48	58				
Southwest Public	40.8	13.2	.22	16	32	42	50	60	3,831	-3.0	.001	-.228
Carnegie Class	41.0	11.9	.13	20	34	42	50	60	233	-3.2	.001	-.266
NSSE 2014 & 2015	41.5	12.6	.05	18	34	43	50	60	55,434	-3.7	.000	-.292
Top 50%	44.0	11.7	.08	22	38	46	52	60	227	-6.2	.000	-.527
Top 10%	45.8	11.9	.18	23	40	48	55	60	242	-8.0	.000	-.672
Supportive Environment												
Univ of Houston (N = 210)	35.6	13.8	.95	13	25	38	45	60				
Southwest Public	37.4	14.1	.24	15	28	38	48	60	3,629	-1.8	.077	-.126
Carnegie Class	38.0	13.2	.14	18	30	40	48	60	8,883	-2.4	.010	-.180
NSSE 2014 & 2015	37.3	13.9	.06	15	28	38	48	60	53,317	-1.7	.080	-.121
Top 50%	39.4	13.4	.08	18	30	40	50	60	27,065	-3.8	.000	-.284
Top 10%	41.3	13.0	.17	20	33	40	53	60	6,069	-5.7	.000	-.435

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.