

NSSE 2014 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 = 384)	40.1	14.9	.76	15	30	40	55	60				
Public Over 20K Enrl	40.3	14.2	.08	15	30	40	50	60	34,068	-.1	.864	-.009
RU/VH-Research Univ	39.6	14.0	.10	15	30	40	50	60	21,245	.5	.466	.038
NSSE 2013 & 2014	41.2	14.1	.04	20	30	40	55	60	123,438	-1.1	.132	-.077
Top 50%	43.3	13.7	.06	20	35	40	55	60	49,451	-3.1	.000	-.227
Top 10%	45.3	13.6	.12	20	40	45	60	60	12,444	-5.1	.000	-.375
Reflective & Integrative Learning												
Univ of Houston (N = 399)	36.8	13.2	.66	17	29	37	46	60				
Public Over 20K Enrl	38.1	13.1	.07	17	29	37	49	60	35,458	-1.3	.047	-.100
RU/VH-Research Univ	37.7	13.0	.09	17	29	37	46	60	22,075	-.9	.193	-.066
NSSE 2013 & 2014	38.9	13.0	.04	17	29	40	49	60	128,395	-2.1	.001	-.162
Top 50%	41.1	12.6	.06	20	31	40	51	60	48,462	-4.2	.000	-.335
Top 10%	43.1	12.5	.12	20	34	43	54	60	10,936	-6.2	.000	-.498
Learning Strategies												
Univ of Houston (N = 355)	38.8	14.1	.75	20	27	40	53	60				
Public Over 20K Enrl	39.6	14.8	.08	13	27	40	53	60	31,940	-.7	.347	-.050
RU/VH-Research Univ	38.5	14.8	.11	13	27	40	53	60	20,001	.3	.680	.022
NSSE 2013 & 2014	40.3	14.8	.04	13	27	40	53	60	116,784	-1.5	.052	-.103
Top 50%	42.5	14.5	.06	20	33	40	60	60	60,578	-3.7	.000	-.253
Top 10%	44.9	14.1	.11	20	33	47	60	60	15,726	-6.1	.000	-.429
Quantitative Reasoning												
Univ of Houston (N = 390)	29.6	17.7	.90	0	20	27	40	60				
Public Over 20K Enrl	30.4	17.2	.09	0	20	27	40	60	34,652	-.9	.315	-.051
RU/VH-Research Univ	30.9	17.1	.12	0	20	33	40	60	21,584	-1.4	.116	-.080
NSSE 2013 & 2014	29.9	17.4	.05	0	20	27	40	60	125,774	-.3	.694	-.020
Top 50%	31.3	17.2	.06	0	20	33	40	60	76,215	-1.8	.044	-.102
Top 10%	33.0	16.9	.12	0	20	33	47	60	19,412	-3.5	.000	-.205
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 410)	32.6	14.4	.71	10	20	30	40	60				
Public Over 20K Enrl	33.1	14.5	.08	10	20	30	45	60	36,169	-.5	.490	-.034
RU/VH-Research Univ	33.6	14.5	.10	10	25	35	45	60	22,548	-1.0	.154	-.071
NSSE 2013 & 2014	32.4	14.6	.04	10	20	30	40	60	129,993	.2	.782	.014
Top 50%	35.4	13.8	.05	15	25	35	45	60	64,649	-2.8	.000	-.202
Top 10%	37.7	13.6	.12	15	30	40	50	60	13,244	-5.1	.000	-.376
Discussions with Diverse Others												
Univ of Houston (N = 355)	46.0	16.8	.89	15	40	55	60	60				
Public Over 20K Enrl	42.8	15.9	.09	15	35	40	60	60	32,269	3.2	.000	.203
RU/VH-Research Univ	42.8	15.6	.11	20	35	40	60	60	365	3.2	.000	.205
NSSE 2013 & 2014	41.8	16.1	.05	15	30	40	60	60	117,899	4.2	.000	.261
Top 50%	43.9	15.8	.06	20	35	45	60	60	74,046	2.1	.013	.133
Top 10%	45.8	15.3	.11	20	40	50	60	60	366	.2	.840	.012
Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 388)	21.8	16.2	.82	0	10	20	30	60				
Public Over 20K Enrl	22.2	15.8	.09	0	10	20	30	55	34,717	-.4	.584	-.028

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RU/VH-Research Univ	22.7	15.7	.11	0	10	20	30	55	21,621	-.9	.287	-.055
NSSE 2013 & 2014	23.7	16.3	.05	0	10	20	35	60	125,744	-1.9	.019	-.119
Top 50%	29.5	16.1	.09	5	20	30	40	60	30,768	-7.7	.000	-.480
Top 10%	34.4	16.4	.25	10	20	35	45	60	465	-12.6	.000	-.770
Effective Teaching Practices												
Univ of Houston (N = 392)	38.9	14.3	.72	16	28	40	52	60				
Public Over 20K Enrl	39.8	13.6	.07	16	32	40	52	60	35,003	-1.0	.163	-.071
RU/VH-Research Univ	39.2	13.2	.09	16	32	40	48	60	403	-.3	.650	-.025
NSSE 2013 & 2014	40.9	13.7	.04	16	32	40	52	60	127,064	-2.0	.003	-.149
Top 50%	43.0	13.6	.06	20	36	44	56	60	45,911	-4.2	.000	-.306
Top 10%	45.1	13.4	.15	20	36	48	60	60	8,100	-6.2	.000	-.463
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 338)	40.6	12.1	.66	20	34	42	50	60				
Public Over 20K Enrl	41.3	11.9	.07	20	34	42	50	60	30,687	-.7	.282	-.059
RU/VH-Research Univ	41.1	11.5	.08	20	34	42	50	60	19,393	-.5	.392	-.047
NSSE 2013 & 2014	42.5	11.9	.04	20	36	44	52	60	112,982	-2.0	.002	-.165
Top 50%	45.3	11.3	.06	24	38	48	54	60	39,826	-4.7	.000	-.416
Top 10%	47.4	11.6	.11	24	40	50	58	60	10,895	-6.8	.000	-.585
Supportive Environment												
Univ of Houston (N = 325)	34.3	14.9	.83	10	23	35	45	60				
Public Over 20K Enrl	33.2	14.2	.08	10	23	33	43	60	30,232	1.0	.190	.073
RU/VH-Research Univ	33.7	13.8	.10	10	25	33	43	60	333	.6	.475	.043
NSSE 2013 & 2014	33.3	14.4	.04	10	23	33	43	60	111,280	1.0	.213	.069
Top 50%	36.1	13.8	.06	13	28	38	45	60	328	-1.8	.027	-.134
Top 10%	39.0	13.3	.15	17	30	40	50	60	346	-4.7	.000	-.352

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 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.