

Detailed Statistics: First-Year Students

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SE ^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 = 1204)	37.8	13.6	.39	20	30	40	45	60				
Public Over 20K Enrl	38.5	13.2	.05	20	30	40	45	60	1,251	-.7	.083	-.052
Carnegie Class	38.0	12.9	.06	20	30	40	45	60	1,263	-.2	.687	-.012
NSSE 2018 & 2019	38.0	13.2	.03	20	30	40	45	60	1,216	-.2	.687	-.012
Top 50%	39.3	13.0	.04	20	30	40	50	60	1,228	-1.5	.000	-.119
Top 10%	41.0	13.0	.08	20	35	40	50	60	1,299	-3.2	.000	-.247
Reflective & Integrative Learning												
Univ of Houston (N = 1287)	35.1	11.6	.32	17	26	34	43	57				
Public Over 20K Enrl	35.4	12.1	.05	17	26	34	43	57	1,345	-.3	.384	-.024
Carnegie Class	35.0	11.9	.05	17	26	34	43	57	49,338	.1	.750	.009
NSSE 2018 & 2019	35.2	12.0	.03	17	26	34	43	57	223,766	-.2	.630	-.013
Top 50%	36.8	11.8	.04	17	29	37	46	57	111,401	-1.7	.000	-.146
Top 10%	38.8	11.8	.08	20	31	40	46	60	24,088	-3.7	.000	-.314
Learning Strategies												
Univ of Houston (N = 1191)	37.8	13.9	.40	20	27	40	47	60				
Public Over 20K Enrl	38.4	14.0	.06	20	27	40	47	60	56,381	-.6	.121	-.045
Carnegie Class	37.3	13.7	.07	13	27	40	47	60	43,754	.5	.206	.037
NSSE 2018 & 2019	38.1	13.8	.03	20	27	40	47	60	198,534	-.3	.497	-.020
Top 50%	39.9	13.7	.04	20	33	40	53	60	1,219	-2.1	.000	-.151
Top 10%	42.5	14.0	.09	20	33	40	53	60	23,127	-4.7	.000	-.332
Quantitative Reasoning												
Univ of Houston (N = 1186)	29.1	15.0	.44	7	20	27	40	60				
Public Over 20K Enrl	28.3	15.5	.07	0	20	27	40	60	57,340	.8	.087	.050
Carnegie Class	28.6	15.1	.07	7	20	27	40	60	44,513	.5	.307	.030
NSSE 2018 & 2019	27.7	15.3	.03	0	20	27	40	60	201,591	1.3	.003	.086
Top 50%	29.3	15.2	.05	7	20	27	40	60	114,631	-.2	.662	-.013
Top 10%	30.8	15.2	.09	7	20	33	40	60	31,876	-1.7	.000	-.112
Learning with Peers												
Collaborative Learning												
Univ of Houston (N = 1346)	34.1	14.3	.39	10	25	35	45	60				
Public Over 20K Enrl	30.7	16.2	.06	0	20	30	40	60	1,416	3.4	.000	.212
Carnegie Class	34.6	14.1	.06	10	25	35	45	60	52,934	-.4	.277	-.030
NSSE 2018 & 2019	32.4	14.8	.03	5	20	30	40	60	237,611	1.7	.000	.118
Top 50%	35.4	13.7	.04	15	25	35	45	60	1,373	-1.3	.001	-.095
Top 10%	37.7	13.6	.09	15	30	40	50	60	1,476	-3.5	.000	-.259
Discussions with Diverse Others												
Univ of Houston (N = 1184)	42.1	15.4	.45	20	30	40	60	60				
Public Over 20K Enrl	39.4	16.2	.07	10	30	40	55	60	56,855	2.6	.000	.164
Carnegie Class	41.0	14.9	.07	20	30	40	55	60	1,245	1.1	.019	.071
NSSE 2018 & 2019	39.3	15.6	.04	15	30	40	55	60	199,993	2.7	.000	.176
Top 50%	41.3	14.9	.04	20	30	40	55	60	1,207	.7	.100	.049
Top 10%	43.2	14.4	.09	20	35	40	60	60	1,282	-1.2	.009	-.082

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Experiences with Faculty												
Student-Faculty Interaction												
Univ of Houston (N = 1238)	17.9	14.6	.42	0	5	15	25	45				
Public Over 20K Enrl	20.3	14.5	.06	0	10	20	30	50	60,912	-2.3	.000	-.159
Carnegie Class	21.0	14.3	.07	0	10	20	30	50	47,398	-3.1	.000	-.216
NSSE 2018 & 2019	21.5	14.7	.03	0	10	20	30	50	215,231	-3.6	.000	-.245
Top 50%	24.9	14.8	.05	5	15	20	35	55	75,608	-7.0	.000	-.472
Top 10%	28.0	15.5	.14	5	15	25	40	60	1,548	-10.0	.000	-.650
Effective Teaching Practices												
Univ of Houston (N = 1224)	36.2	13.2	.38	16	25	36	44	60				
Public Over 20K Enrl	38.5	13.4	.06	16	28	40	48	60	59,118	-2.3	.000	-.174
Carnegie Class	37.4	12.6	.06	16	28	36	45	60	1,286	-1.3	.001	-.099
NSSE 2018 & 2019	38.4	13.2	.03	16	28	40	48	60	208,558	-2.2	.000	-.169
Top 50%	40.6	13.2	.05	20	32	40	52	60	84,159	-4.4	.000	-.335
Top 10%	42.7	14.0	.10	20	32	44	56	60	1,384	-6.5	.000	-.466
Campus Environment												
Quality of Interactions												
Univ of Houston (N = 1107)	38.6	13.5	.41	12	30	40	48	60				
Public Over 20K Enrl	43.2	12.3	.05	20	36	44	52	60	1,146	-4.6	.000	-.372
Carnegie Class	42.4	11.6	.06	22	36	44	50	60	1,151	-3.7	.000	-.322
NSSE 2018 & 2019	42.7	12.1	.03	20	36	44	52	60	1,117	-4.0	.000	-.333
Top 50%	44.9	11.4	.04	24	38	46	54	60	1,130	-6.2	.000	-.544
Top 10%	47.1	11.8	.09	24	40	50	58	60	1,205	-8.5	.000	-.713
Supportive Environment												
Univ of Houston (N = 1174)	36.5	12.9	.38	15	28	38	45	60				
Public Over 20K Enrl	35.8	13.6	.06	13	25	38	45	60	1,231	.6	.090	.048
Carnegie Class	36.5	13.0	.06	15	28	38	45	60	42,459	.0	.900	-.004
NSSE 2018 & 2019	36.0	13.5	.03	14	28	38	45	60	1,189	.5	.206	.036
Top 50%	38.1	13.2	.04	18	30	40	48	60	90,999	-1.7	.000	-.128
Top 10%	40.1	13.2	.10	18	30	40	50	60	19,992	-3.6	.000	-.274

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 +/- 1.96 x SE) 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.