

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												
Missouri S&T (N = 559)	35.8	13.2	.56	15	25	35	45	60				
Peer Institutions	38.6	13.3	.36	15	30	40	50	60	1,941	-2.8	.000	-.212
Carnegie Class	40.4	14.1	.06	15	30	40	50	60	573	-4.7	.000	-.330
NSSE 2013	41.3	14.0	.03	20	30	40	55	60	562	-5.6	.000	-.398
Top 50%	43.5	13.7	.05	20	35	40	55	60	567	-7.7	.000	-.567
Top 10%	45.3	13.6	.09	20	40	45	60	60	586	-9.5	.000	-.701
Reflective and Integrative Learning												
Missouri S&T (N = 590)	31.1	12.0	.49	11	23	31	37	54				
Peer Institutions	33.8	12.2	.32	14	26	34	40	57	2,014	-2.7	.000	-.226
Carnegie Class	37.9	13.0	.06	17	29	37	49	60	604	-6.9	.000	-.528
NSSE 2013	38.9	13.0	.03	17	29	40	49	60	592	-7.9	.000	-.608
Top 50%	41.1	12.6	.04	20	31	40	51	60	598	-10.0	.000	-.796
Top 10%	43.1	12.6	.09	20	34	43	54	60	624	-12.0	.000	-.956
Learning Strategies												
Missouri S&T (N = 524)	33.9	14.6	.64	13	27	33	40	60				
Peer Institutions	35.1	14.3	.39	13	27	33	47	60	1,842	-1.2	.096	-.086
Carnegie Class	39.7	14.8	.07	13	27	40	53	60	48,273	-5.8	.000	-.390
NSSE 2013	40.7	14.7	.03	13	33	40	53	60	201,949	-6.8	.000	-.463
Top 50%	43.2	14.4	.05	20	33	40	60	60	96,100	-9.3	.000	-.644
Top 10%	45.4	14.0	.08	20	40	47	60	60	28,767	-11.5	.000	-.819
Quantitative Reasoning												
Missouri S&T (N = 573)	31.8	15.7	.66	7	20	33	40	60				
Peer Institutions	33.7	15.6	.42	7	20	33	47	60	1,973	-1.8	.017	-.118
Carnegie Class	30.2	17.2	.08	0	20	27	40	60	587	1.6	.015	.093
NSSE 2013	29.7	17.3	.04	0	20	27	40	60	576	2.1	.001	.122
Top 50%	31.1	17.2	.05	0	20	33	40	60	578	.7	.307	.039
Top 10%	32.5	17.0	.09	0	20	33	40	60	596	-.7	.278	-.042
Learning with Peers												
Collaborative Learning												
Missouri S&T (N = 600)	38.3	13.9	.57	15	30	40	50	60				
Peer Institutions	38.1	13.9	.36	15	30	40	50	60	2,058	.2	.784	.013
Carnegie Class	33.1	14.3	.06	10	20	30	45	60	54,165	5.1	.000	.361
NSSE 2013	31.7	14.6	.03	10	20	30	40	60	223,116	6.6	.000	.449
Top 50%	35.0	13.8	.05	15	25	35	45	60	91,259	3.3	.000	.237
Top 10%	37.5	13.5	.12	15	25	40	45	60	13,622	.8	.166	.058
Discussions with Diverse Others												
Missouri S&T (N = 525)	41.3	15.7	.68	15	30	40	60	60				
Peer Institutions	43.4	15.1	.41	20	35	45	60	60	1,847	-2.0	.009	-.134
Carnegie Class	41.8	16.0	.07	15	30	40	60	60	48,755	-.5	.496	-.030
NSSE 2013	41.8	16.1	.04	15	30	40	60	60	203,624	-.5	.506	-.029
Top 50%	44.1	15.9	.05	20	35	45	60	60	110,237	-2.8	.000	-.176
Top 10%	45.8	15.6	.09	20	40	50	60	60	33,955	-4.5	.000	-.289

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
Experiences with Faculty												
Student-Faculty Interaction												
Missouri S&T (N = 581)	22.6	14.5	.60	5	10	20	30	50				
Peer Institutions	23.6	15.1	.40	0	10	20	35	55	1,976	-.9	.202	-.063
Carnegie Class	23.1	15.9	.07	0	10	20	35	55	596	-.5	.440	-.029
NSSE 2013	23.2	16.3	.04	0	10	20	35	55	584	-.6	.342	-.035
Top 50%	29.7	16.1	.08	5	20	30	40	60	599	-7.0	.000	-.439
Top 10%	34.6	16.0	.22	10	20	35	45	60	738	-12.0	.000	-.754
Effective Teaching Practices												
Missouri S&T (N = 579)	37.6	13.2	.55	16	28	36	48	60				
Peer Institutions	37.0	12.9	.34	16	28	36	44	60	1,991	.6	.332	.048
Carnegie Class	40.0	13.6	.06	16	32	40	52	60	52,643	-2.5	.000	-.180
NSSE 2013	41.1	13.8	.03	16	32	40	52	60	218,300	-3.5	.000	-.256
Top 50%	43.3	13.7	.05	20	36	44	56	60	78,948	-5.7	.000	-.415
Top 10%	45.3	13.5	.11	20	36	48	60	60	14,394	-7.7	.000	-.573
Campus Environment												
Quality of Interactions												
Missouri S&T (N = 522)	41.3	10.2	.45	22	34	42	50	58				
Peer Institutions	40.1	11.8	.32	18	32	42	48	58	1,098	1.2	.024	.110
Carnegie Class	41.3	11.9	.06	20	34	42	50	60	538	.0	.960	-.002
NSSE 2013	42.8	11.9	.03	20	36	44	52	60	525	-1.5	.001	-.124
Top 50%	45.8	11.5	.05	24	40	48	55	60	532	-4.4	.000	-.388
Top 10%	47.6	11.6	.08	24	42	50	58	60	560	-6.3	.000	-.547
Supportive Environment												
Missouri S&T (N = 490)	31.3	13.0	.59	10	20	30	40	55				
Peer Institutions	30.4	13.2	.37	10	20	30	40	53	1,746	.9	.215	.066
Carnegie Class	33.3	14.1	.07	10	23	33	43	60	502	-2.0	.001	-.145
NSSE 2013	33.1	14.4	.03	10	23	33	43	60	492	-1.8	.002	-.125
Top 50%	36.2	13.7	.05	13	28	38	45	60	72,303	-4.9	.000	-.358
Top 10%	39.1	13.1	.12	18	30	40	50	60	11,750	-7.9	.000	-.601

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 +/- 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.