



NSSE 2016

Engagement Indicators

The University of Texas at Tyler

About Your Engagement Indicators Report

Engagement Indicators (EIs) provide a useful summary of the detailed information contained in your students' NSSE responses. By combining responses to related NSSE questions, each EI offers valuable information about a distinct aspect of student engagement. Ten indicators, based on three to eight survey questions each (a total of 47 survey questions), are organized into four broad themes as shown at right.

Theme	Engagement Indicator
<i>Academic Challenge</i>	Higher-Order Learning
	Reflective & Integrative Learning
	Learning Strategies
<i>Learning with Peers</i>	Quantitative Reasoning
	Collaborative Learning
<i>Experiences with Faculty</i>	Discussions with Diverse Others
	Student-Faculty Interaction
<i>Campus Environment</i>	Effective Teaching Practices
	Quality of Interactions
	Supportive Environment

Report Sections

- Overview (p. 3)** Displays how average EI scores for your first-year and senior students compare with those of students at your comparison group institutions.
- Theme Reports (pp. 4-13)** Detailed views of EI scores within the four themes for your students and those at comparison group institutions. Three views offer varied insights into your EI scores:

 - Mean Comparisons**
Straightforward comparisons of average scores between your students and those at comparison group institutions, with tests of significance and effect sizes (see below).
 - Score Distributions**
Box-and-whisker charts show the variation in scores *within* your institution and comparison group.
 - Performance on Indicator Items**
Responses to each item in a given EI are summarized for your institution and comparison groups.
- Comparisons with High-Performing Institutions (p. 15)** Comparisons of your students' average scores on each EI with those of students at institutions whose average scores were in the top 50% and top 10% of 2015 and 2016 participating institutions.
- Detailed Statistics (pp. 16-19)** Detailed information about EI score means, distributions, and tests of statistical significance.

Interpreting Comparisons

Mean comparisons report both statistical significance and effect size. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview (p. 3).

EIs vary more among students within an institution than between institutions, like many experiences and outcomes in higher education. As a result, focusing attention on average scores alone amounts to examining the tip of the iceberg. It's equally important to understand how student engagement varies within your institution. Score distributions indicate how EI scores vary among your students and those in your comparison groups. The Report Builder—Institution Version and your *Major Field Report* (both to be released in the fall) offer valuable perspectives on internal variation and help you investigate your students'.

How Engagement Indicators are Computed

Each EI is scored on a 60-point scale. To produce an indicator score, the response set for each item is converted to a 60-point scale (e.g., Never = 0; Sometimes = 20; Often = 40; Very often = 60), and the rescaled items are averaged. Thus a score of zero means a student responded at the bottom of the scale for every item in the EI, while a score of 60 indicates responses at the top of the scale on every item.

For more information on EIs and their psychometric properties, refer to the NSSE website: nsse.indiana.edu

Rocconi, L., & Gonyea, R. M. (2015). Contextualizing student engagement effect sizes: An empirical analysis. Paper presented at the Association for Institutional Research Annual Forum, Denver, CO.

Engagement Indicators: Overview

Engagement Indicators are summary measures based on sets of NSSE questions examining key dimensions of student engagement. The ten indicators are organized within four broad themes: Academic Challenge, Learning with Peers, Experiences with Faculty, and Campus Environment. The tables below compare average scores for your students with those in your comparison groups.

Use the following key:

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- No significant difference.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

First-Year Students

<i>Theme</i>	<i>Engagement Indicator</i>	Your first-year students compared with UT System	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2015 & 2016
<i>Academic Challenge</i>	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	▽	▽
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	--	▲	△
	Discussions with Diverse Others	△	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	--	--	--
	Effective Teaching Practices	--	--	--
<i>Campus Environment</i>	Quality of Interactions	△	--	--
	Supportive Environment	--	--	▽

Seniors

<i>Theme</i>	<i>Engagement Indicator</i>	Your seniors compared with UT System	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2015 & 2016
<i>Academic Challenge</i>	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	▽	▽
	Learning Strategies	--	--	△
	Quantitative Reasoning	--	--	--
<i>Learning with Peers</i>	Collaborative Learning	△	△	△
	Discussions with Diverse Others	△	--	--
<i>Experiences with Faculty</i>	Student-Faculty Interaction	△	--	--
	Effective Teaching Practices	--	--	--
<i>Campus Environment</i>	Quality of Interactions	▲	△	△
	Supportive Environment	--	▽	▽

Academic Challenge: First-year students

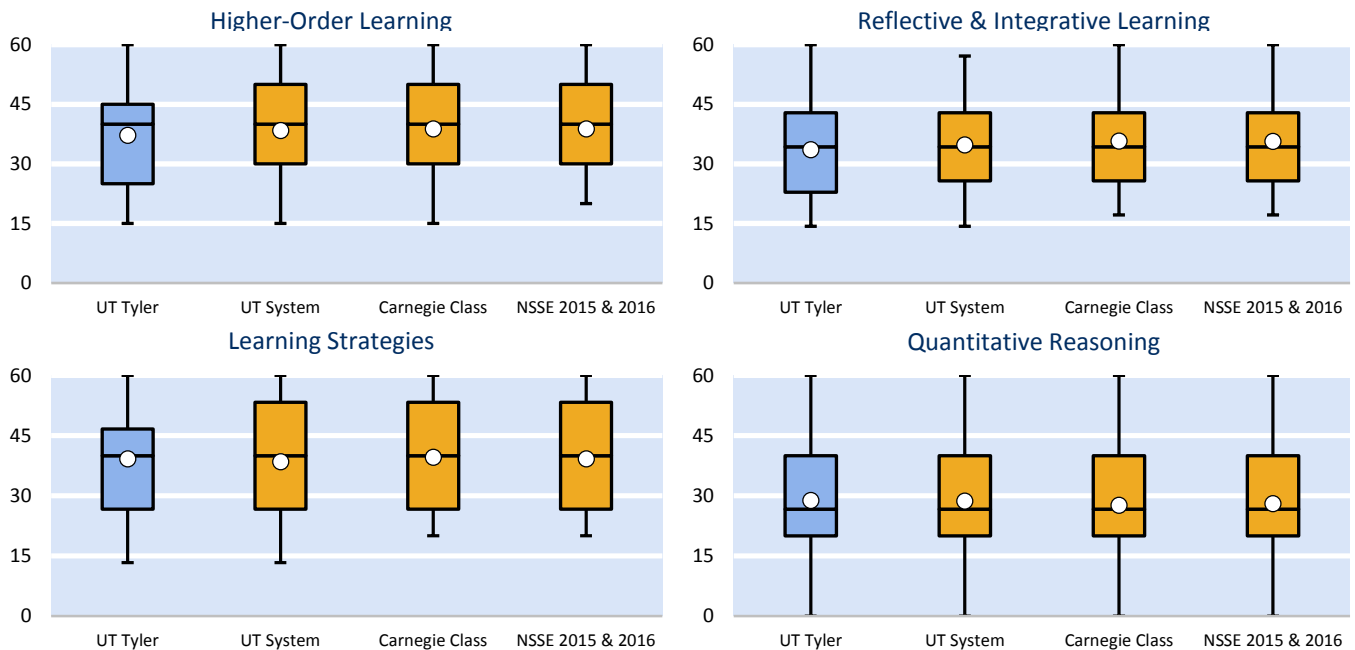
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your first-year students compared with					
		UT System		Carnegie Class		NSSE 2015 & 2016	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.2	38.3	-.08	38.7	-.11	38.8	-.12
Reflective & Integrative Learning	33.5	34.7	-.10	35.7 *	-.17	35.6 *	-.17
Learning Strategies	39.2	38.5	.05	39.6	-.02	39.2	.00
Quantitative Reasoning	28.8	28.7	.01	27.6	.07	28.0	.05

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and p before rounding; * $p < .05$, ** $p < .01$, *** $p < .001$ (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Academic Challenge: First-year students (continued)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

	UT Tyler	Percentage point difference ^a between your FY students and		
		UT System	Carnegie Class	NSSE 2015 & 2016
Higher-Order Learning				
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
4b. Applying facts, theories, or methods to practical problems or new situations	72	+2	+1	-0
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	65	-5	-6	-6
4d. Evaluating a point of view, decision, or information source	61	-8	-10	-9
4e. Forming a new idea or understanding from various pieces of information	60	-8	-10	-9
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	49	-5	-5	-6
2b. Connected your learning to societal problems or issues	43	-5	-11	-10
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	48	+2	-4	-3
2d. Examined the strengths and weaknesses of your own views on a topic or issue	56	-6	-7	-7
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	64	-4	-4	-4
2f. Learned something that changed the way you understand an issue or concept	60	-6	-6	-6
2g. Connected ideas from your courses to your prior experiences and knowledge	71	-3	-6	-6
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	73	-2	-6	-5
9b. Reviewed your notes after class	73	+8	+6	+7
9c. Summarized what you learned in class or from course materials	63	+1	-2	-1
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	57	+3	+6	+4
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	41	-1	+1	+1
6c. Evaluated what others have concluded from numerical information	35	-4	-2	-3

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Academic Challenge: Seniors

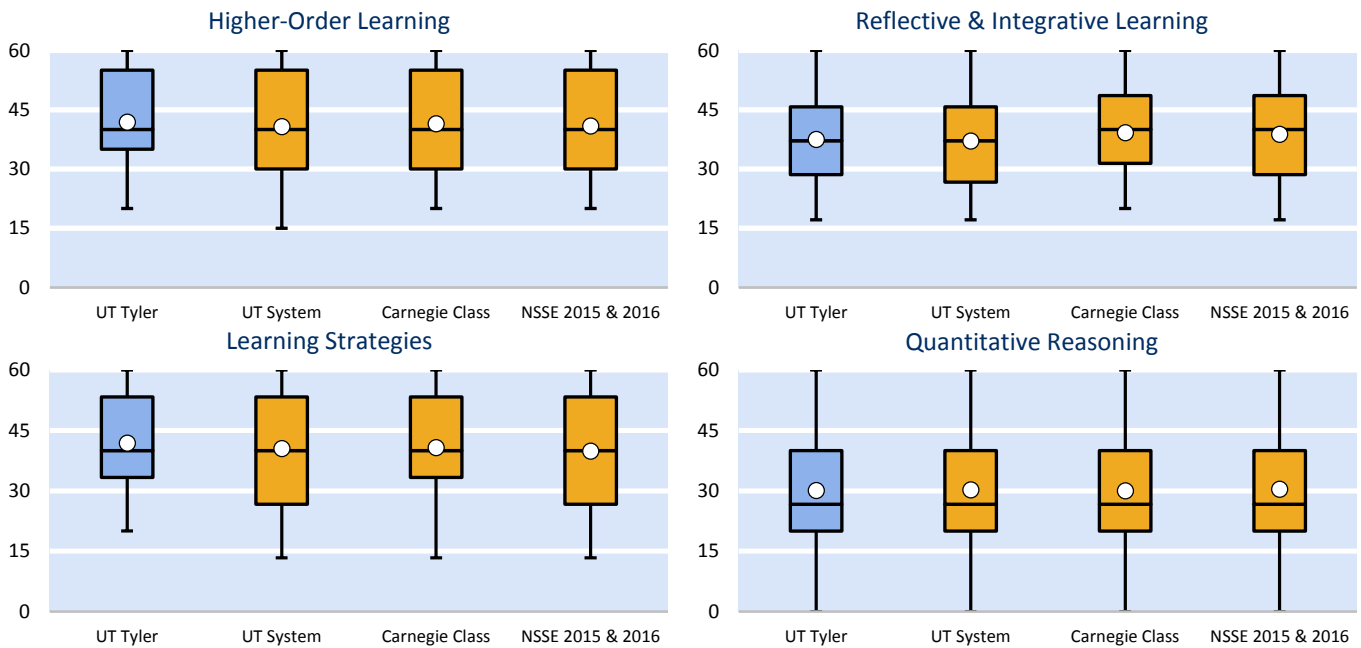
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *Reflective & Integrative Learning*, *Learning Strategies*, and *Quantitative Reasoning*. Below and on the next page are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your seniors compared with					
		UT System Effect size		Carnegie Class Effect size		NSSE 2015 & 2016 Effect size	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	41.8	40.6	.08	41.4	.03	40.8	.07
Reflective & Integrative Learning	37.4	37.0	.03	39.2 **	-.13	38.7 *	-.10
Learning Strategies	41.8	40.4	.09	40.7	.08	39.9 **	.13
Quantitative Reasoning	30.1	30.2	-.01	30.0	.01	30.3	-.01

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions





















































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Academic Challenge: Seniors (continued)

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Higher-Order Learning	UT Tyler	Percentage point difference ^a between your seniors and		
		UT System	Carnegie Class	NSSE 2015 & 2016
<i>Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...</i>				
	%			
4b. Applying facts, theories, or methods to practical problems or new situations	85	+8 	+6 	+6 
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	78	+1 	+0 	+1 
4d. Evaluating a point of view, decision, or information source	76	+5 	+2 	+5 
4e. Forming a new idea or understanding from various pieces of information	76	+3 	+2 	+3 
Reflective & Integrative Learning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
2a. Combined ideas from different courses when completing assignments	73	+8 	+3 	+3 
2b. Connected your learning to societal problems or issues	63	+6 	-2 	-0 
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	46	-4 	-11 	-9 
2d. Examined the strengths and weaknesses of your own views on a topic or issue	65	+2 	-2 	-1 
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	71	+2 	-1 	+0 
2f. Learned something that changed the way you understand an issue or concept	66	-2 	-5 	-4 
2g. Connected ideas from your courses to your prior experiences and knowledge	83	+4 	-0 	+0 
Learning Strategies				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
9a. Identified key information from reading assignments	85	+5 	+2 	+4 
9b. Reviewed your notes after class	72	+5 	+6 	+9 
9c. Summarized what you learned in class or from course materials	71	+3 	+3 	+5 
Quantitative Reasoning				
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	58	+0 	+3 	+2 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	44	-2 	-2 	-2 
6c. Evaluated what others have concluded from numerical information	40	-4 	-4 	-5 

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Learning with Peers: First-year students

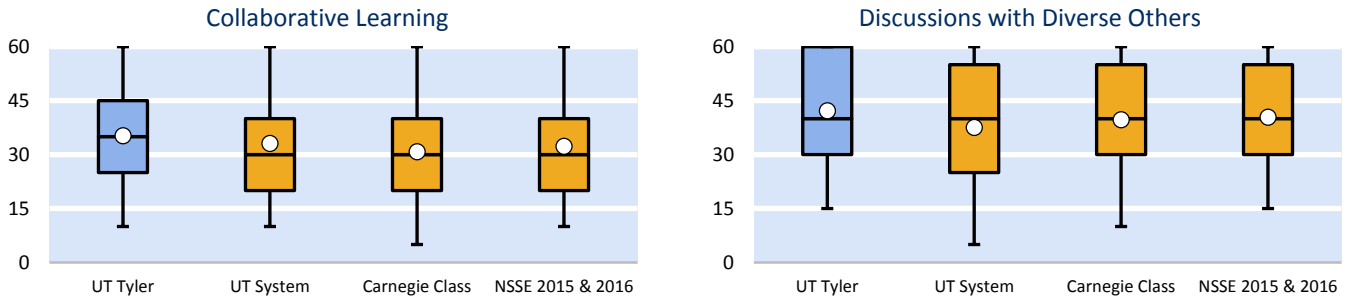
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions with Diverse Others*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your first-year students compared with					
		UT System		Carnegie Class		NSSE 2015 & 2016	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	35.2	33.1	.15	30.8 ***	.30	32.3 *	.20
Discussions with Diverse Others	42.2	37.5 **	.27	39.7	.15	40.4	.11

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



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Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Collaborative Learning	UT Tyler	Percentage point difference ^a between your FY students and		
		UT System	Carnegie Class	NSSE 2015 & 2016
Percentage of students who responded that they "Very often" or "Often"...				
1e. Asked another student to help you understand course material	53	+2	+5	+2
1f. Explained course material to one or more students	62	+3	+8	+4
1g. Prepared for exams by discussing or working through course material with other students	59	+9	+13	+10
1h. Worked with other students on course projects or assignments	62	+4	+11	+9
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People from a race or ethnicity other than your own	76	+12	+6	+4
8b. People from an economic background other than your own	74	+9	+3	+2
8c. People with religious beliefs other than your own	74	+10	+7	+6
8d. People with political views other than your own	73	+10	+7	+5

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Learning with Peers: Seniors

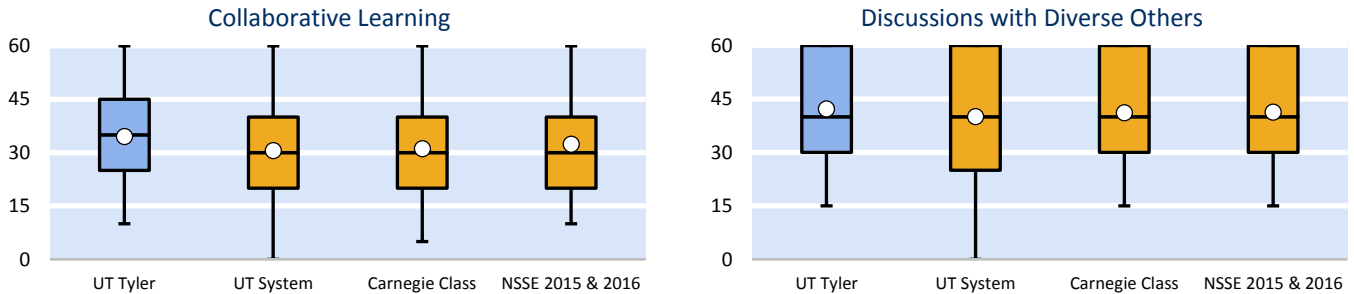
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Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your seniors compared with					
		UT System Effect size		Carnegie Class Effect size		NSSE 2015 & 2016 Effect size	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	34.5	30.6 ***	.25	31.1 ***	.22	32.4 **	.14
Discussions with Diverse Others	42.2	40.1 *	.12	41.1	.07	41.3	.05

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

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Collaborative Learning	UT Tyler	Percentage point difference ^a between your seniors and		
		UT System	Carnegie Class	NSSE 2015 & 2016
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
1e. Asked another student to help you understand course material	43	+3	+4	+1
1f. Explained course material to one or more students	61	+8	+5	+3
1g. Prepared for exams by discussing or working through course material with other students	51	+8	+7	+5
1h. Worked with other students on course projects or assignments	72	+13	+12	+8
Discussions with Diverse Others				
<i>Percentage of students who responded that they "Very often" or "Often" had discussions with...</i>				
8a. People from a race or ethnicity other than your own	76	+6	+4	+4
8b. People from an economic background other than your own	75	+7	+2	+1
8c. People with religious beliefs other than your own	70	+2	+2	+1
8d. People with political views other than your own	75	+8	+5	+5

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Experiences with Faculty: First-year students

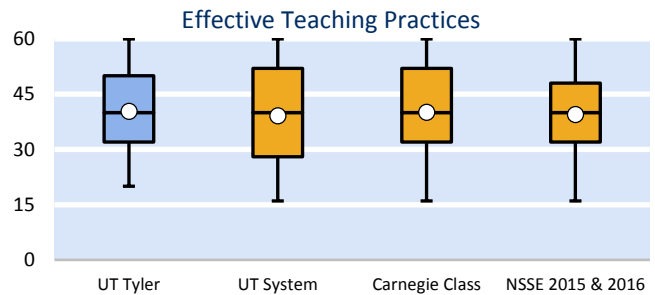
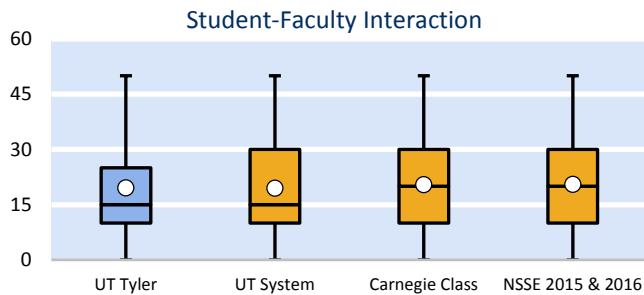
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course material and provide feedback in student-centered ways. Two Engagement Indicators investigate this theme: *Student-Faculty Interaction* and *Effective Teaching Practices*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

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		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	19.5	19.4	.01	20.4	-.06	20.5	-.06
Effective Teaching Practices	40.3	39.1	.09	40.1	.02	39.4	.07

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Student-Faculty Interaction	UT Tyler	Percentage point difference ^a between your FY students and		
		UT System	Carnegie Class	NSSE 2015 & 2016
<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	30	-3	-4	-3
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	16	-4	-3	-3
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	20	-4	-5	-5
3d. Discussed your academic performance with a faculty member	37	+11	+7	+8
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	78	-0	-1	-0
5b. Taught course sessions in an organized way	79	+3	+2	+2
5c. Used examples or illustrations to explain difficult points	78	+4	+2	+2
5d. Provided feedback on a draft or work in progress	67	+6	-0	+2
5e. Provided prompt and detailed feedback on tests or completed assignments	62	+6	-1	+1

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Experiences with Faculty: Seniors

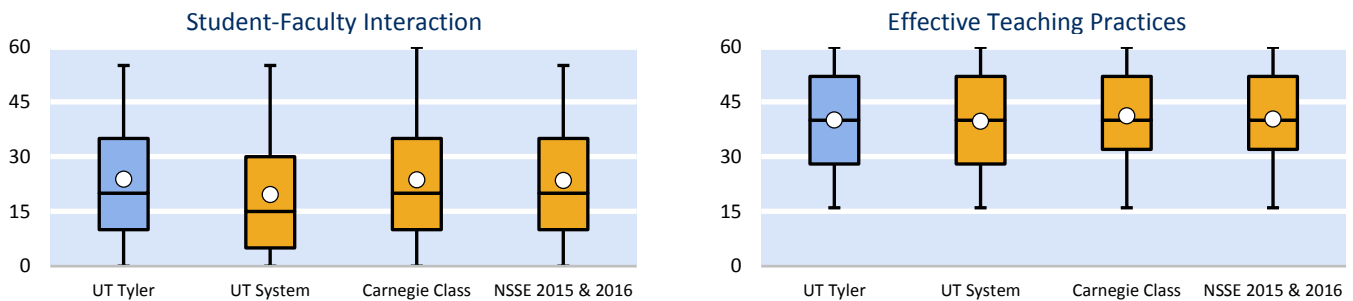
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<i>Percentage of students who responded that they "Very often" or "Often"...</i>				
3a. Talked about career plans with a faculty member	42	+10	-1	+0
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	26	+4	-0	-1
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	34	+8	+1	+1
3d. Discussed your academic performance with a faculty member	36	+10	+2	+4
<i>Effective Teaching Practices</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much instructors have...</i>				
5a. Clearly explained course goals and requirements	82	+1	-0	+1
5b. Taught course sessions in an organized way	78	+0	-2	-1
5c. Used examples or illustrations to explain difficult points	75	+0	-3	-3
5d. Provided feedback on a draft or work in progress	60	+2	-5	-2
5e. Provided prompt and detailed feedback on tests or completed assignments	64	+1	-4	-2

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Campus Environment: First-year students

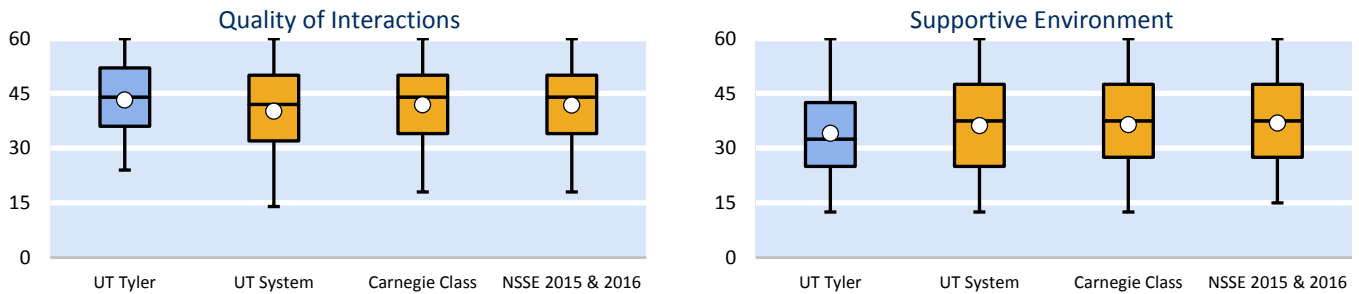
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your first-year students compared with					
		UT System		Carnegie Class		NSSE 2015 & 2016	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	43.2	40.1 **	.23	41.8	.10	41.8	.11
Supportive Environment	34.1	36.1	-.14	36.4	-.16	36.8 *	-.20

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Quality of Interactions	UT Tyler	Percentage point difference ^a between your FY students and		
		UT System	Carnegie Class	NSSE 2015 & 2016
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
	%			
13a. Students	44	-8	-11	-12
13b. Academic advisors	45	+0	-4	-5
13c. Faculty	49	+4	-2	-1
13d. Student services staff (career services, student activities, housing, etc.)	43	-0	-3	-2
13e. Other administrative staff and offices (registrar, financial aid, etc.)	51	+11	+7	+9
<i>Supportive Environment</i>				
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	73	-2	-4	-4
14c. Using learning support services (tutoring services, writing center, etc.)	74	-3	-3	-4
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	44	-16	-17	-17
14e. Providing opportunities to be involved socially	62	-5	-9	-10
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	65	-1	-3	-5
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	44	-1	-1	-1
14h. Attending campus activities and events (performing arts, athletic events, etc.)	49	-13	-14	-17
14i. Attending events that address important social, economic, or political issues	44	-7	-7	-8

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Campus Environment: Seniors

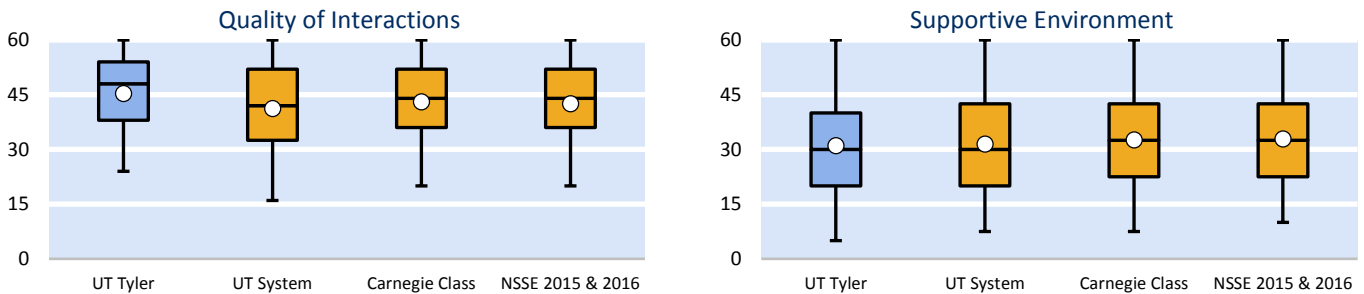
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your comparison groups.

Mean Comparisons

Engagement Indicator	UT Tyler Mean	Your seniors compared with					
		UT System		Carnegie Class		NSSE 2015 & 2016	
	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	45.3	41.3 ***	.30	43.1 ***	.18	42.6 ***	.23
Supportive Environment	31.1	31.5	-.03	32.7 *	-.11	32.9 *	-.13

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by pooled standard deviation; Symbols on the Overview page are based on effect size and *p* before rounding; **p* < .05, ***p* < .01, ****p* < .001 (2-tailed).

Score Distributions



Notes: Each box-and-whiskers chart plots the 5th (bottom of lower bar), 25th (bottom of box), 50th (middle line), 75th (top of box), and 95th (top of upper bar) percentile scores. The dot represents the mean score. Refer to Detailed Statistics for your institution's sample sizes.

Performance on Indicator Items

The table below displays how your students responded to each EI item, and the difference, in percentage points, between your students and those of your comparison group. Blue bars indicate how much **higher** your institution's percentage is from that of the comparison group. Orange bars indicate how much **lower** your institution's percentage is from that of the comparison group.

Quality of Interactions	UT Tyler	Percentage point difference ^a between your seniors and		
		UT System	Carnegie Class	NSSE 2015 & 2016
<i>Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...</i>				
13a. Students	69	+9	+7	+8
13b. Academic advisors	59	+11	+4	+6
13c. Faculty	65	+10	+4	+7
13d. Student services staff (career services, student activities, housing, etc.)	55	+14	+10	+12
13e. Other administrative staff and offices (registrar, financial aid, etc.)	56	+14	+11	+14
<i>Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...</i>				
14b. Providing support to help students succeed academically	69	+2	-3	-2
14c. Using learning support services (tutoring services, writing center, etc.)	66	+3	-1	-1
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	54	+0	-0	+1
14e. Providing opportunities to be involved socially	56	-3	-8	-9
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	56	-0	-4	-5
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	35	+3	+3	+3
14h. Attending campus activities and events (performing arts, athletic events, etc.)	45	-6	-8	-11
14i. Attending events that address important social, economic, or political issues	38	-4	-6	-7

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile included in your *Institutional Report* and available on the NSSE website.

a. Percentage point difference = Institution percentage – Comparison group percentage. Because results are rounded to whole numbers, differences of less than 1 point may or may not display a bar. Small, but nonzero differences may be represented as +0 or -0.

Comparisons with Top 50% and Top 10% Institutions

While NSSE's policy is not to rank institutions (see nsse.indiana.edu/html/position_policies.cfm), the results below are designed to compare the engagement of your students with those attending two groups of institutions identified by NSSE^a for their high average levels of student engagement:

- (a) institutions with average scores placing them in the top 50% of all 2015 and 2016 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2015 and 2016 NSSE institutions.

While the average scores for most institutions are below the mean for the top 50% or top 10%, your institution may show areas of distinction where your average student was as engaged as (or even more engaged than) the typical student at high-performing institutions. A check mark (✓) signifies those comparisons where your average score was at least comparable^b to that of the high-performing group. However, the presence of a check mark does not necessarily mean that your institution was a member of that group.

It should be noted that most of the variability in student engagement is within, not between, institutions. Even "high-performing" institutions have students with engagement levels below the average for all institutions.

First-Year Students		UT Tyler Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
Theme	Engagement Indicator		Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.2	40.5 **	-.25		42.7 ***	-.40	
	Reflective and Integrative Learning	33.5	37.4 **	-.31		39.5 ***	-.47	
	Learning Strategies	39.2	41.2	-.14		43.7 ***	-.32	
	Quantitative Reasoning	28.8	29.4	-.04	✓	31.3	-.15	
Learning with Peers	Collaborative Learning	35.2	35.2	.00	✓	37.3	-.15	
	Discussions with Diverse Others	42.2	42.7	-.03	✓	44.3	-.14	
Experiences with Faculty	Student-Faculty Interaction	19.5	23.8 **	-.28		26.9 ***	-.46	
	Effective Teaching Practices	40.3	41.6	-.09	✓	43.8 **	-.26	
Campus Environment	Quality of Interactions	43.2	44.1	-.08	✓	45.9 *	-.22	
	Supportive Environment	34.1	39.2 ***	-.38		40.9 ***	-.51	

Seniors		UT Tyler Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
Theme	Engagement Indicator		Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	41.8	43.1 *	-.10		44.7 ***	-.21	
	Reflective and Integrative Learning	37.4	41.0 ***	-.28		42.9 ***	-.43	
	Learning Strategies	41.8	42.2	-.03	✓	44.5 ***	-.19	
	Quantitative Reasoning	30.1	31.8 *	-.10		33.2 ***	-.19	
Learning with Peers	Collaborative Learning	34.5	35.8	-.09	✓	37.9 ***	-.25	
	Discussions with Diverse Others	42.2	43.3	-.07	✓	45.1 ***	-.18	
Experiences with Faculty	Student-Faculty Interaction	23.8	29.6 ***	-.36		33.0 ***	-.57	
	Effective Teaching Practices	40.1	42.7 ***	-.19		44.5 ***	-.33	
Campus Environment	Quality of Interactions	45.3	45.3	.00	✓	46.9 *	-.13	
	Supportive Environment	31.1	35.7 ***	-.33		38.1 ***	-.50	

Notes: Results weighted by institution-reported sex and enrollment status (and institution size for comparison groups); Effect size: Mean difference divided by the pooled standard deviation; *p < .05, **p < .01, ***p < .001 (2-tailed).

a. Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each Engagement Indicator from all NSSE 2015 and 2016 institutions, separately for first-year and senior students. Using this method, Engagement Indicator scores of institutions with relatively large standard errors were adjusted toward the mean of all students, while those with smaller standard errors received smaller corrections. As a result, schools with less stable data—even those with high average scores—may not be among the top scorers. NSSE does not publish the names of the top 50% and top 10% institutions because of our commitment not to release institutional results and our policy against ranking institutions.

b. Check marks are assigned to comparisons that are either significant and positive, or non-significant with an effect size > -.10.

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												
UT Tyler (N = 129)	37.2	14.2	1.25	15	25	40	45	60				
UT System	38.3	14.2	.22	15	30	40	50	60	4,237	-1.1	.370	-.080
Carnegie Class	38.7	13.8	.06	15	30	40	50	60	59,469	-1.6	.202	-.112
NSSE 2015 & 2016	38.8	13.7	.03	20	30	40	50	60	218,630	-1.6	.191	-.115
Top 50%	40.5	13.6	.04	20	30	40	50	60	102,488	-3.3	.005	-.245
Top 10%	42.7	13.7	.09	20	35	40	55	60	21,919	-5.5	.000	-.401
Reflective & Integrative Learning												
UT Tyler (N = 137)	33.5	13.9	1.19	14	23	34	43	60				
UT System	34.7	12.6	.19	14	26	34	43	57	4,449	-1.2	.263	-.097
Carnegie Class	35.7	12.6	.05	17	26	34	43	60	62,265	-2.2	.043	-.173
NSSE 2015 & 2016	35.6	12.5	.03	17	26	34	43	60	228,667	-2.1	.047	-.170
Top 50%	37.4	12.5	.04	17	29	37	46	60	136	-3.9	.001	-.311
Top 10%	39.5	12.8	.09	20	31	40	49	60	20,609	-6.0	.000	-.472
Learning Strategies												
UT Tyler (N = 114)	39.2	14.4	1.35	13	27	40	47	60				
UT System	38.5	14.5	.24	13	27	40	53	60	3,801	.7	.595	.051
Carnegie Class	39.6	14.2	.06	20	27	40	53	60	54,539	-.4	.791	-.025
NSSE 2015 & 2016	39.2	14.1	.03	20	27	40	53	60	200,067	.0	.975	.003
Top 50%	41.2	14.1	.05	20	33	40	53	60	89,845	-2.0	.140	-.138
Top 10%	43.7	14.3	.09	20	33	47	60	60	23,195	-4.5	.001	-.318
Quantitative Reasoning												
UT Tyler (N = 127)	28.8	16.2	1.44	0	20	27	40	60				
UT System	28.7	16.3	.25	0	20	27	40	60	4,260	.1	.920	.009
Carnegie Class	27.6	16.3	.07	0	20	27	40	60	60,148	1.2	.416	.072
NSSE 2015 & 2016	28.0	16.2	.03	0	20	27	40	60	221,206	.8	.562	.051
Top 50%	29.4	16.1	.05	0	20	27	40	60	127,338	-.6	.665	-.038
Top 10%	31.3	16.2	.09	0	20	33	40	60	30,352	-2.4	.089	-.151
Learning with Peers												
Collaborative Learning												
UT Tyler (N = 142)	35.2	14.7	1.23	10	25	35	45	60				
UT System	33.1	14.0	.21	10	20	30	40	60	4,619	2.2	.070	.154
Carnegie Class	30.8	14.9	.06	5	20	30	40	60	64,218	4.5	.000	.301
NSSE 2015 & 2016	32.3	14.5	.03	10	20	30	40	60	236,698	2.9	.015	.203
Top 50%	35.2	13.8	.04	15	25	35	45	60	117,750	.0	.993	.001
Top 10%	37.3	13.6	.09	15	25	40	45	60	24,948	-2.1	.069	-.153
Discussions with Diverse Others												
UT Tyler (N = 113)	42.2	15.7	1.48	15	30	40	60	60				
UT System	37.5	17.5	.29	5	25	40	55	60	3,869	4.7	.005	.266
Carnegie Class	39.7	16.3	.07	10	30	40	55	60	55,260	2.5	.103	.153
NSSE 2015 & 2016	40.4	16.0	.04	15	30	40	55	60	202,614	1.8	.228	.113
Top 50%	42.7	15.2	.05	20	35	40	60	60	104,955	-.5	.735	-.032
Top 10%	44.3	15.1	.08	20	35	45	60	60	32,505	-2.1	.132	-.142

Experiences with Faculty

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
Student-Faculty Interaction												
UT Tyler (N = 131)	19.5	14.7	1.28	0	10	15	25	50				
UT System	19.4	15.1	.23	0	10	15	30	50	4,338	.1	.940	.007
Carnegie Class	20.4	14.8	.06	0	10	20	30	50	60,726	-.9	.488	-.061
NSSE 2015 & 2016	20.5	14.7	.03	0	10	20	30	50	223,259	-.9	.463	-.064
Top 50%	23.8	15.0	.06	0	15	20	35	55	72,334	-4.3	.001	-.284
Top 10%	26.9	16.0	.15	5	15	25	40	60	134	-7.4	.000	-.460
Effective Teaching Practices												
UT Tyler (N = 131)	40.3	12.6	1.10	20	32	40	50	60				
UT System	39.1	14.0	.22	16	28	40	52	60	4,326	1.2	.336	.085
Carnegie Class	40.1	13.5	.05	16	32	40	52	60	60,865	.3	.816	.020
NSSE 2015 & 2016	39.4	13.4	.03	16	32	40	48	60	223,760	.9	.441	.067
Top 50%	41.6	13.4	.04	20	32	40	52	60	90,543	-1.2	.296	-.091
Top 10%	43.8	13.5	.10	20	36	44	56	60	19,027	-3.5	.003	-.257
Campus Environment												
Quality of Interactions												
UT Tyler (N = 113)	43.2	11.1	1.05	24	36	44	52	60				
UT System	40.1	13.5	.23	14	32	42	50	60	123	3.0	.005	.227
Carnegie Class	41.8	12.8	.06	18	34	44	50	60	52,410	1.3	.277	.102
NSSE 2015 & 2016	41.8	12.5	.03	18	34	44	50	60	192,438	1.4	.242	.110
Top 50%	44.1	11.8	.04	22	38	46	52	60	76,049	-.9	.405	-.078
Top 10%	45.9	12.1	.10	22	40	48	56	60	16,295	-2.7	.017	-.225
Supportive Environment												
UT Tyler (N = 108)	34.1	14.0	1.35	13	25	33	43	60				
UT System	36.1	14.8	.25	13	25	38	48	60	3,512	-2.0	.157	-.138
Carnegie Class	36.4	14.2	.06	13	28	38	48	60	50,808	-2.3	.088	-.164
NSSE 2015 & 2016	36.8	13.9	.03	15	28	38	48	60	186,703	-2.7	.040	-.198
Top 50%	39.2	13.3	.05	18	30	40	50	60	87,249	-5.1	.000	-.381
Top 10%	40.9	13.3	.09	20	33	40	53	60	21,809	-6.8	.000	-.510

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 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.

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												
UT Tyler (N = 427)	41.8	13.6	.66	20	35	40	55	60				
UT System	40.6	14.9	.17	15	30	40	55	60	484	1.1	.097	.077
Carnegie Class	41.4	14.1	.05	20	30	40	55	60	83,942	.4	.587	.026
NSSE 2015 & 2016	40.8	14.1	.03	20	30	40	55	60	302,398	.9	.177	.065
Top 50%	43.1	13.8	.04	20	35	40	55	60	108,518	-1.4	.040	-.100
Top 10%	44.7	13.7	.07	20	40	45	60	60	34,144	-2.9	.000	-.212
Reflective & Integrative Learning												
UT Tyler (N = 437)	37.4	12.6	.60	17	29	37	46	60				
UT System	37.0	13.5	.15	17	27	37	46	60	492	.4	.518	.030
Carnegie Class	39.2	13.0	.04	20	31	40	49	60	87,296	-1.7	.006	-.133
NSSE 2015 & 2016	38.7	13.0	.02	17	29	40	49	60	314,303	-1.3	.043	-.097
Top 50%	41.0	12.7	.04	20	31	40	51	60	113,924	-3.5	.000	-.279
Top 10%	42.9	12.5	.07	20	34	43	54	60	28,871	-5.4	.000	-.434
Learning Strategies												
UT Tyler (N = 402)	41.8	14.3	.71	20	33	40	53	60				
UT System	40.4	14.9	.18	13	27	40	53	60	7,376	1.4	.067	.094
Carnegie Class	40.7	14.7	.05	13	33	40	53	60	78,732	1.1	.125	.077
NSSE 2015 & 2016	39.9	14.8	.03	13	27	40	53	60	283,022	2.0	.007	.133
Top 50%	42.2	14.5	.04	20	33	40	60	60	131,711	-.4	.576	-.028
Top 10%	44.5	14.2	.08	20	33	47	60	60	35,890	-2.6	.000	-.185
Quantitative Reasoning												
UT Tyler (N = 429)	30.1	16.3	.79	0	20	27	40	60				
UT System	30.2	17.1	.19	0	20	27	40	60	8,205	-.1	.903	-.006
Carnegie Class	30.0	17.1	.06	0	20	27	40	60	85,100	.1	.917	.005
NSSE 2015 & 2016	30.3	17.0	.03	0	20	27	40	60	306,709	-.2	.761	-.015
Top 50%	31.8	16.9	.04	0	20	33	40	60	170,860	-1.7	.040	-.099
Top 10%	33.2	16.8	.08	0	20	33	47	60	47,512	-3.1	.000	-.186
Learning with Peers												
Collaborative Learning												
UT Tyler (N = 438)	34.5	14.6	.70	10	25	35	45	60				
UT System	30.6	15.9	.17	0	20	30	40	60	494	3.9	.000	.249
Carnegie Class	31.1	15.3	.05	5	20	30	40	60	89,175	3.4	.000	.222
NSSE 2015 & 2016	32.4	14.9	.03	10	20	30	40	60	321,883	2.1	.003	.140
Top 50%	35.8	13.9	.04	15	25	35	45	60	145,304	-1.3	.055	-.092
Top 10%	37.9	13.7	.08	15	30	40	50	60	32,884	-3.4	.000	-.246
Discussions with Diverse Others												
UT Tyler (N = 402)	42.2	16.3	.81	15	30	40	60	60				
UT System	40.1	18.1	.22	0	25	40	60	60	459	2.1	.012	.118
Carnegie Class	41.1	16.3	.06	15	30	40	60	60	79,440	1.1	.188	.066
NSSE 2015 & 2016	41.3	16.1	.03	15	30	40	60	60	285,572	.8	.293	.053
Top 50%	43.3	15.9	.04	15	35	45	60	60	160,684	-1.1	.153	-.071
Top 10%	45.1	15.8	.07	20	35	50	60	60	47,079	-2.9	.000	-.183

Experiences with Faculty

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
Student-Faculty Interaction												
UT Tyler (N = 429)	23.8	15.6	.75	0	10	20	35	55				
UT System	19.6	16.2	.18	0	5	15	30	55	8,220	4.2	.000	.261
Carnegie Class	23.6	16.6	.06	0	10	20	35	60	433	.2	.826	.010
NSSE 2015 & 2016	23.5	16.3	.03	0	10	20	35	55	307,398	.3	.665	.021
Top 50%	29.6	16.1	.06	5	20	30	40	60	65,927	-5.7	.000	-.356
Top 10%	33.0	16.3	.16	5	20	30	45	60	465	-9.2	.000	-.566
Effective Teaching Practices												
UT Tyler (N = 434)	40.1	14.5	.70	16	28	40	52	60				
UT System	39.7	14.7	.17	16	28	40	52	60	8,299	.4	.571	.028
Carnegie Class	41.1	14.0	.05	16	32	40	52	60	86,046	-1.1	.113	-.076
NSSE 2015 & 2016	40.3	13.9	.03	16	32	40	52	60	309,681	-.2	.720	-.017
Top 50%	42.7	13.7	.04	20	32	44	56	60	98,570	-2.7	.000	-.194
Top 10%	44.5	13.4	.09	20	36	44	56	60	447	-4.4	.000	-.331
Campus Environment												
Quality of Interactions												
UT Tyler (N = 379)	45.3	11.7	.60	24	38	48	54	60				
UT System	41.3	13.5	.17	16	33	42	52	60	439	4.1	.000	.304
Carnegie Class	43.1	12.2	.04	20	36	44	52	60	75,410	2.2	.000	.182
NSSE 2015 & 2016	42.6	12.0	.02	20	36	44	52	60	271,195	2.8	.000	.229
Top 50%	45.3	11.5	.04	24	40	48	54	60	92,318	.0	.994	.000
Top 10%	46.9	11.9	.07	24	40	50	56	60	29,635	-1.6	.011	-.131
Supportive Environment												
UT Tyler (N = 385)	31.1	15.4	.78	5	20	30	40	60				
UT System	31.5	15.6	.19	8	20	30	43	60	6,895	-.4	.585	-.029
Carnegie Class	32.7	14.7	.05	8	23	33	43	60	75,056	-1.6	.033	-.109
NSSE 2015 & 2016	32.9	14.4	.03	10	23	33	43	60	269,605	-1.8	.012	-.128
Top 50%	35.7	13.9	.04	13	25	35	45	60	386	-4.6	.000	-.333
Top 10%	38.1	13.9	.10	15	28	40	48	60	396	-7.0	.000	-.503

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 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.