NSSE 2020
Engagement Indicators
University of Houston-Clear Lake

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

Report Sections

Overview (p. 3)
Displays how average EI scores for your 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 groups.

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 2019 and 2020 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, 2018). 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 and your *Major Field Report* (both to be released in the fall) offer valuable perspectives on internal variation and help you investigate your students' engagement in depth.

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.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. *Research & Practice in Assessment,* *13* (Summer/Fall), pp. 22-38.

NSSE 2020 Engagement Indicators

Overview

University of Houston-Clear Lake

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

Theme	Engagement Indicator	Your first-year students compared with Southwest Public	Your first-year students compared with Carnegie Class	Your first-year students compared with NSSE 2019 & 2020
Academic Challenge	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	--	--	--
	Quantitative Reasoning	--	--	--
Learning with Peers	Collaborative Learning	--	--	--
	Discussions with Diverse Others	--	--	--
Experiences with Faculty	Student-Faculty Interaction	▽	▽	▽
	Effective Teaching Practices	--	--	--
Campus Environment	Quality of Interactions	▲	▲	▲
	Supportive Environment	--	--	--

Seniors

Theme	Engagement Indicator	Your seniors compared with Southwest Public	Your seniors compared with Carnegie Class	Your seniors compared with NSSE 2019 & 2020
Academic Challenge	Higher-Order Learning	--	--	--
	Reflective & Integrative Learning	--	--	--
	Learning Strategies	△	△	△
	Quantitative Reasoning	--	--	--
Learning with Peers	Collaborative Learning	--	△	--
	Discussions with Diverse Others	--	△	--
Experiences with Faculty	Student-Faculty Interaction	▽	▽	▽
	Effective Teaching Practices	△	--	△
Campus Environment	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

| | UH-Clear Lake | Your first-year students compared with | | | | | |
| | | Southwest Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	39.2	37.6	.12	37.8	.11	38.1	.09
Reflective & Integrative Learning	34.3	34.6	-.02	34.9	-.04	35.2	-.07
Learning Strategies	35.4	38.0	-.19	38.5	-.23	38.3	-.21
Quantitative Reasoning	27.1	28.2	-.07	27.9	-.06	28.2	-.07

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
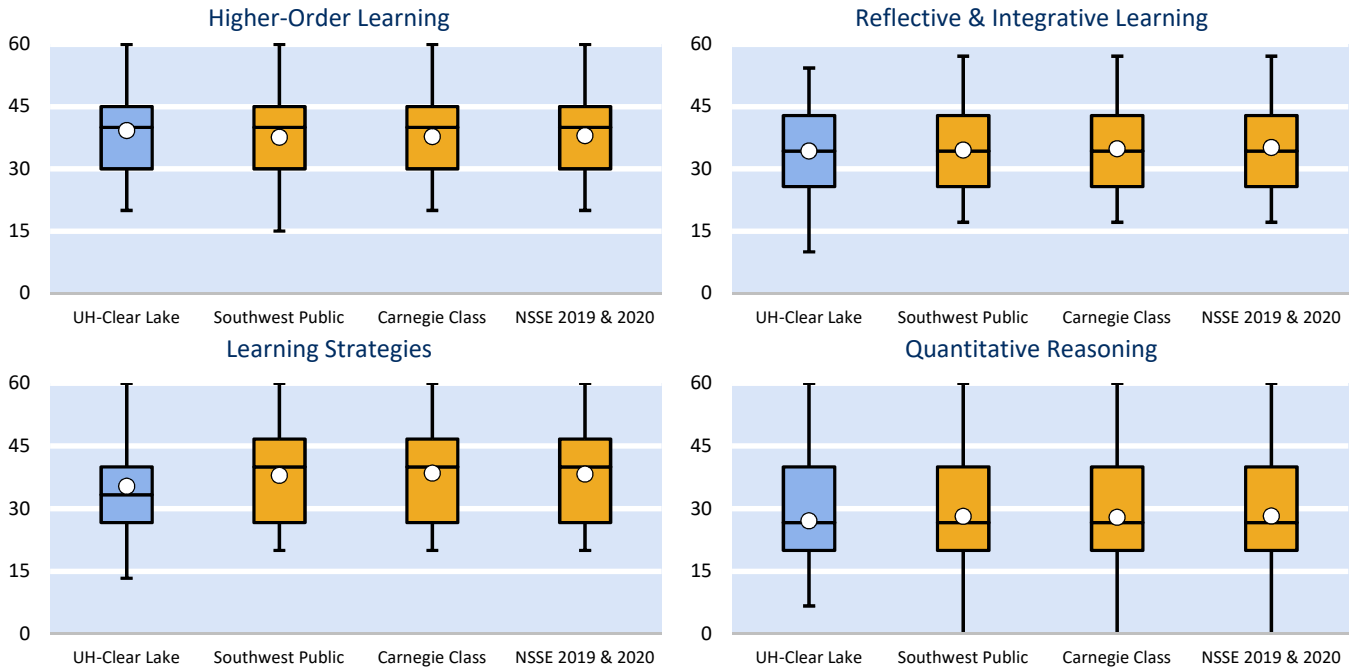
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Academic Challenge: First-year students (continued)

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

	UH-Clear Lake	Percentage point difference [a] between your FY students and		
		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Higher-Order Learning	%			
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...				
4b. Applying facts, theories, or methods to practical problems or new situations	76	+7	+7	+5
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	72	+4	+4	+2
4d. Evaluating a point of view, decision, or information source	76	+8	+6	+7
4e. Forming a new idea or understanding from various pieces of information	74	+5	+4	+4
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	51	+2	+0	-0
2b. Connected your learning to societal problems or issues	44	-3	-6	-6
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	52	+4	+2	+1
2d. Examined the strengths and weaknesses of your own views on a topic or issue	63	-0	-0	-1
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	77	+6	+6	+6
2f. Learned something that changed the way you understand an issue or concept	65	-1	-1	-2
2g. Connected ideas from your courses to your prior experiences and knowledge	77	+2	+0	-1
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	71	-1	-4	-4
9b. Reviewed your notes after class	53	-14	-14	-13
9c. Summarized what you learned in class or from course materials	58	-6	-7	-6
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"...				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	51	-1	-0	-1
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	42	+1	+1	+1
6c. Evaluated what others have concluded from numerical information	39	-1	-0	-1

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

| | UH-Clear Lake | Your seniors compared with | | | | | |
| | | Southwest Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	40.7	40.1	.05	40.5	.02	40.1	.05
Reflective & Integrative Learning	37.1	37.4	-.03	38.2	-.09	38.1	-.08
Learning Strategies	41.9	39.4 ***	.17	39.4 ***	.18	38.6 ***	.23
Quantitative Reasoning	30.0	29.7	.02	30.0	.00	30.2	-.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
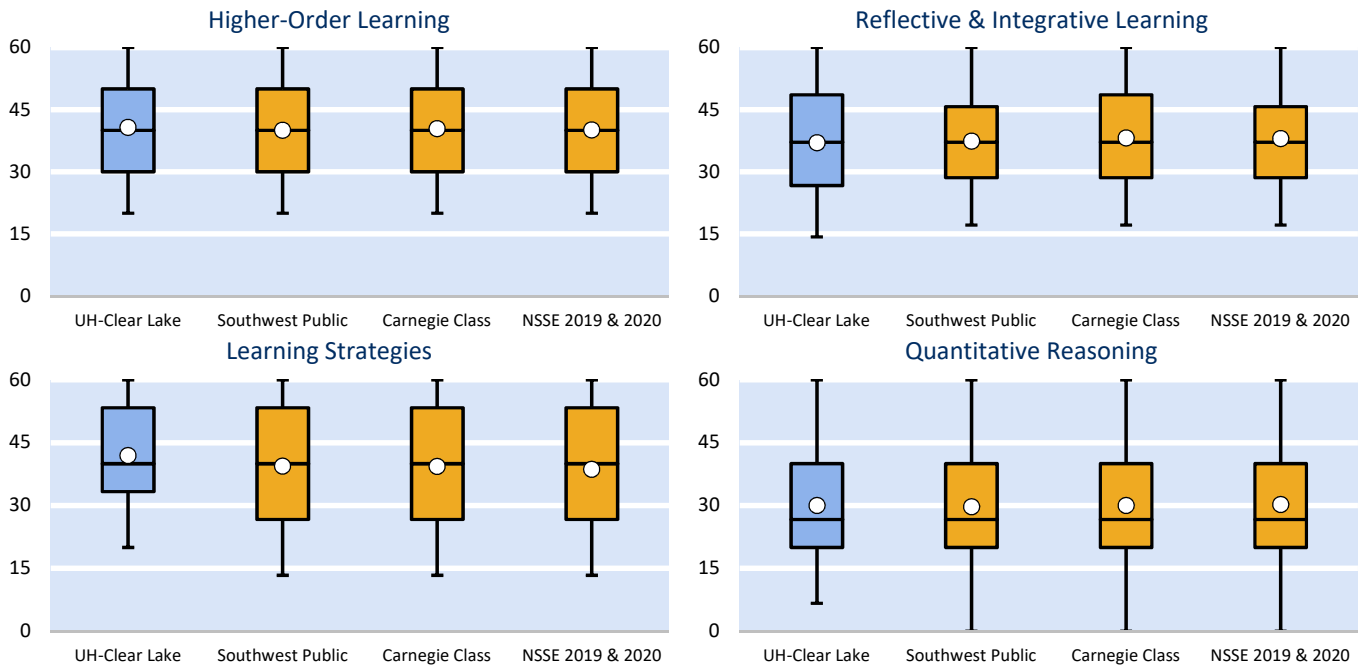
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Academic Challenge: Seniors (continued)

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

| | UH-Clear Lake | Percentage point difference [a] between your seniors and | | |
		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Higher-Order Learning				
Percentage responding "Very much" or "Quite a bit" about how much coursework emphasized...	%			
4b. Applying facts, theories, or methods to practical problems or new situations	77	+1	-0	-0
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	76	+1	+1	+1
4d. Evaluating a point of view, decision, or information source	72	+1	-1	+1
4e. Forming a new idea or understanding from various pieces of information	71	-1	-2	-1
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	64	-2	-3	-4
2b. Connected your learning to societal problems or issues	56	-2	-6	-5
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	50	+0	-3	-3
2d. Examined the strengths and weaknesses of your own views on a topic or issue	61	-5	-6	-6
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	74	+1	+1	+1
2f. Learned something that changed the way you understand an issue or concept	70	-1	-2	-2
2g. Connected ideas from your courses to your prior experiences and knowledge	81	-1	-3	-3
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	81	+3	+1	+3
9b. Reviewed your notes after class	73	+6	+8	+10
9c. Summarized what you learned in class or from course materials	72	+6	+5	+8
Quantitative Reasoning				
Percentage of students who responded that they "Very often" or "Often"...				
6a. Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	54	-1	-0	-1
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	44	-1	-2	-2
6c. Evaluated what others have concluded from numerical information	48	+4	+4	+2

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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

	UH-Clear Lake	Southwest Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	30.5	33.3	-.20	30.3	.01	32.3	-.12
Discussions with Diverse Others	40.8	39.7	.07	38.3	.15	39.5	.08

Your first-year students compared with

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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Performance on Indicator Items

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	UH-Clear Lake	Southwest Public	Carnegie Class	NSSE 2019 & 2020
Collaborative Learning				
Percentage of students who responded that they "Very often" or "Often"...	%			
1e. Asked another student to help you understand course material	48	-7	-1	-5
1f. Explained course material to one or more students	54	-5	+2	-3
1g. Prepared for exams by discussing or working through course material with other students	43	-9	-2	-7
1h. Worked with other students on course projects or assignments	58	+2	+7	+4
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	83	+10	+14	+12
8b. People from an economic background other than your own	68	-4	-1	-4
8c. People with religious beliefs other than your own	74	+7	+10	+8
8d. People with political views other than your own	69	+3	+6	+4

Percentage point difference [a] between your FY students and

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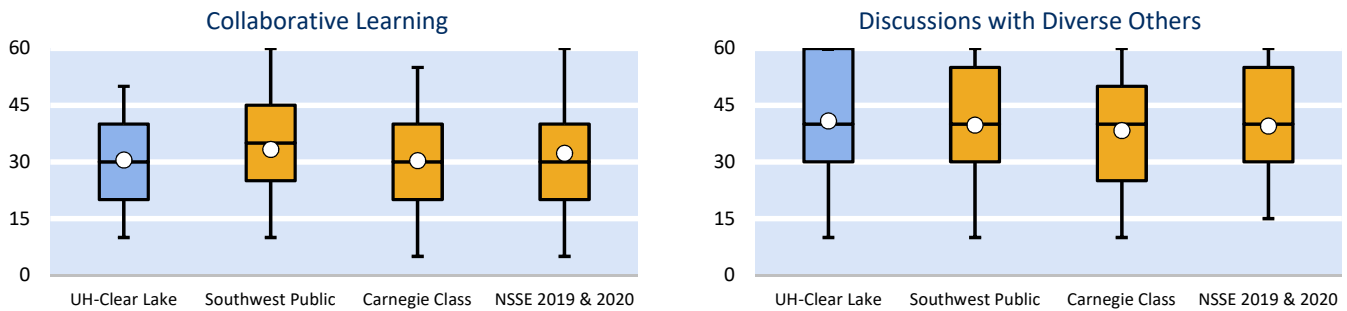
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Mean Comparisons

| | UH-Clear Lake | Your seniors compared with | | | | | |
| | | Southwest Public | | Carnegie Class | | NSSE 2019 & 2020 | |
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	31.1	31.1	.00	29.8 *	.08	32.0	-.06
Discussions with Diverse Others	41.6	41.1	.03	39.3 **	.14	40.2	.09

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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| | UH-Clear Lake | Percentage point difference [a] between your seniors and | | |
Collaborative Learning		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Percentage of students who responded that they "Very often" or "Often"...	%			
1e. Asked another student to help you understand course material	38	-4	-1	-5
1f. Explained course material to one or more students	51	-3	-1	-6
1g. Prepared for exams by discussing or working through course material with other students	43	-2	+1	-3
1h. Worked with other students on course projects or assignments	65	+6	+7	+2
Discussions with Diverse Others				
Percentage of students who responded that they "Very often" or "Often" had discussions with...				
8a. People of a race or ethnicity other than your own	77	+2	+6	+5
8b. People from an economic background other than your own	73	-0	+3	+0
8c. People with religious beliefs other than your own	73	+3	+7	+5
8d. People with political views other than your own	68	+0	+4	+2

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NSSE 2020 Engagement Indicators
Experiences with Faculty
University of Houston-Clear Lake

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

	UH-Clear Lake	*Your first-year students compared with*					
		Southwest Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	17.9	21.0 *	-.21	21.1 *	-.22	21.4 *	-.24
Effective Teaching Practices	38.6	37.7	.07	38.7	-.01	38.4	.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).

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		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Student-Faculty Interaction	%			
Percentage of students who responded that they "Very often" or "Often"...				
3a. Talked about career plans with a faculty member	16	-21	-22	-22
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	11	-10	-9	-10
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	24	-1	-2	-2
3d. Discussed your academic performance with a faculty member	22	-7	-9	-8
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have...				
5a. Clearly explained course goals and requirements	77	+1	+1	+0
5b. Taught course sessions in an organized way	79	+7	+7	+5
5c. Used examples or illustrations to explain difficult points	70	-3	-3	-4
5d. Provided feedback on a draft or work in progress	55	-4	-10	-8
5e. Provided prompt and detailed feedback on tests or completed assignments	60	+4	-2	+0

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

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NSSE 2020 Engagement Indicators
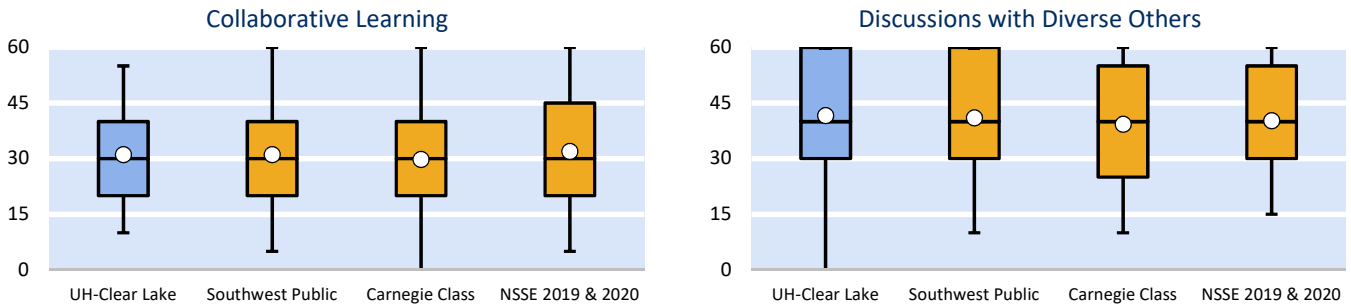## Experiences with Faculty
University of Houston-Clear Lake
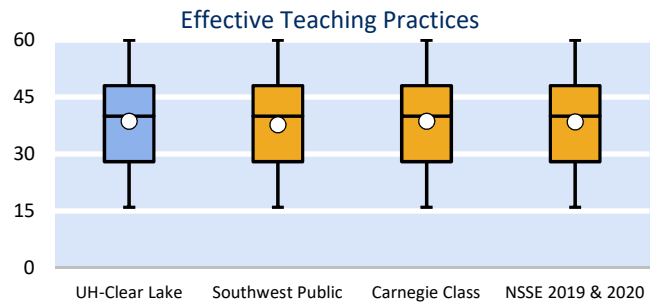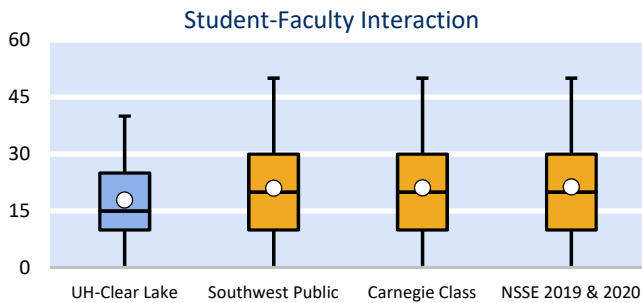
Experiences with Faculty: Seniors

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Mean Comparisons

	UH-Clear Lake	*Your seniors compared with*					
		Southwest Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	*Mean*	*Mean*	*Effect size*	*Mean*	*Effect size*	*Mean*	*Effect size*
Student-Faculty Interaction	19.6	21.7 **	-.13	23.9 ***	-.27	23.9 ***	-.27
Effective Teaching Practices	41.1	39.3 **	.13	40.2	.06	39.7 *	.10

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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	UH-Clear Lake	*Percentage point difference [a] between your seniors and*		
Student-Faculty Interaction		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Percentage of students who responded that they "Very often" or "Often"…	%			
3a. Talked about career plans with a faculty member	34	-5	-10	-9
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	19	-5	-7	-8
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	27	-1	-4	-5
3d. Discussed your academic performance with a faculty member	29	-1	-7	-4
Effective Teaching Practices				
Percentage responding "Very much" or "Quite a bit" about how much instructors have…				
5a. Clearly explained course goals and requirements	85	+5	+4	+4
5b. Taught course sessions in an organized way	79	+4	+3	+2
5c. Used examples or illustrations to explain difficult points	79	+3	+2	+1
5d. Provided feedback on a draft or work in progress	64	+5	-0	+2
5e. Provided prompt and detailed feedback on tests or completed assignments	69	+8	+3	+5

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

NSSE 2020 Engagement Indicators

Campus Environment
University of Houston-Clear Lake

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

	UH-Clear Lake	Your first-year students compared with					
		Southwest Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	46.9	42.9 *	.32	43.1 *	.31	43.2 *	.31
Supportive Environment	36.6	36.7	.00	35.6	.07	36.0	.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.

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	UH-Clear Lake	Percentage point difference [a] between your FY students and		
		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...	%			
13a. Students	67	+15	+15	+14
13b. Academic advisors	58	+6	+4	+4
13c. Faculty	67	+16	+14	+14
13d. Student services staff (career services, student activities, housing, etc.)	69	+20	+20	+21
13e. Other administrative staff and offices (registrar, financial aid, etc.)	65	+19	+17	+18
Supportive Environment				
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...				
14b. Providing support to help students succeed academically	81	+6	+6	+6
14c. Using learning support services (tutoring services, writing center, etc.)	75	-2	-1	-1
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	67	+4	+6	+6
14e. Providing opportunities to be involved socially	74	+2	+5	+3
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	67	-3	-1	-2
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	39	-5	-5	-3
14h. Attending campus activities and events (performing arts, athletic events, etc.)	54	-11	-5	-9
14i. Attending events that address important social, economic, or political issues	49	+1	+2	+1

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.
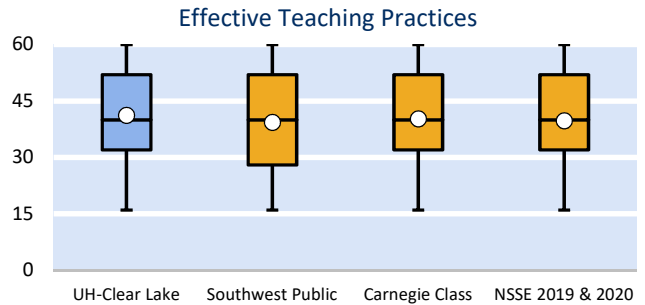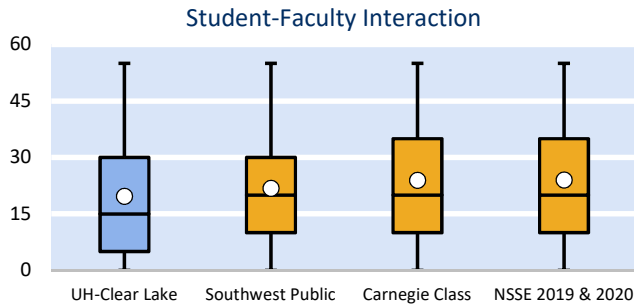
NSSE 2020 Engagement Indicators

Campus Environment
University of Houston-Clear Lake
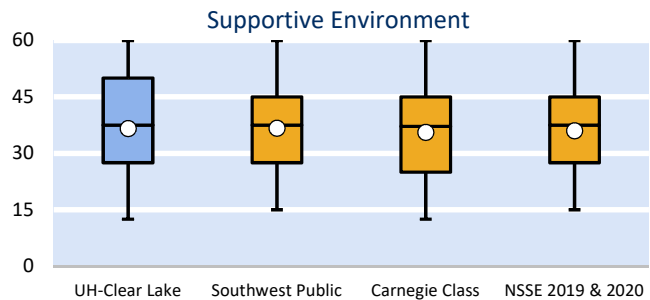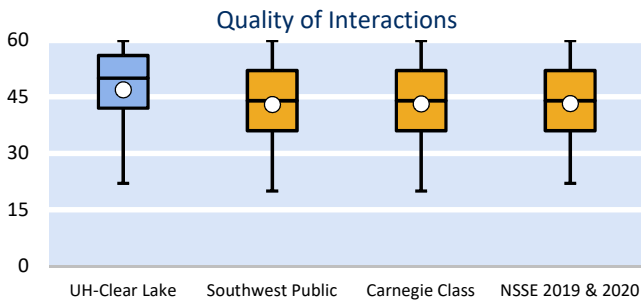
Campus Environment: Seniors

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

	UH-Clear Lake	Your seniors compared with					
		Southwest Public		Carnegie Class		NSSE 2019 & 2020	
Engagement Indicator	Mean	Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	45.3	43.0 ***	.18	43.8 *	.12	43.0 ***	.19
Supportive Environment	36.2	32.7 ***	.23	31.9 ***	.29	32.2 ***	.28

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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

Quality of Interactions	UH-Clear Lake	Percentage point difference [a] between your seniors and		
		Southwest Public	Carnegie Class	NSSE 2019 & 2020
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...	%			
13a. Students	62	+5	+4	+4
13b. Academic advisors	52	+0	-3	-1
13c. Faculty	66	+9	+6	+8
13d. Student services staff (career services, student activities, housing, etc.)	56	+10	+9	+12
13e. Other administrative staff and offices (registrar, financial aid, etc.)	58	+11	+10	+13

Supportive Environment	UH-Clear Lake	Southwest Public	Carnegie Class	NSSE 2019 & 2020
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...				
14b. Providing support to help students succeed academically	76	+6	+5	+5
14c. Using learning support services (tutoring services, writing center, etc.)	75	+8	+7	+9
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	63	+5	+8	+9
14e. Providing opportunities to be involved socially	69	+5	+8	+5
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	69	+8	+9	+9
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	45	+10	+10	+12
14h. Attending campus activities and events (performing arts, athletic events, etc.)	52	-0	+6	+0
14i. Attending events that address important social, economic, or political issues	49	+8	+10	+9

Notes: Refer to your *Frequencies and Statistical Comparisons* report for full distributions and significance tests. Item numbering corresponds to the survey facsimile 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.

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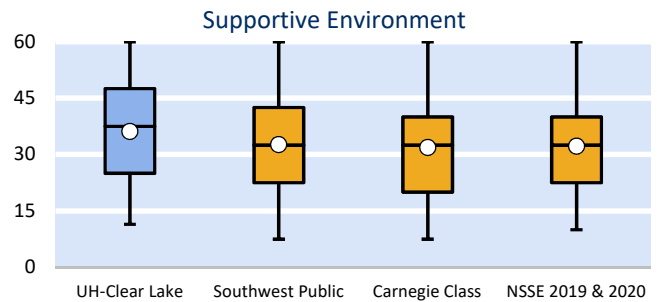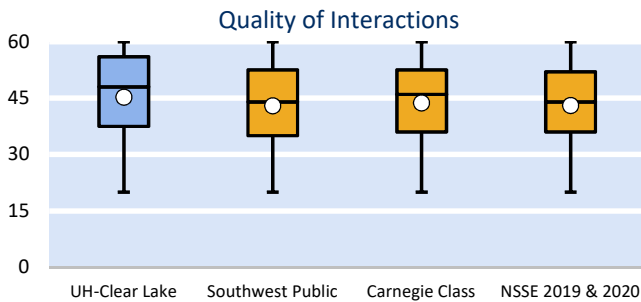
Comparisons with Top 50% and Top 10% Institutions

While NSSE's policy is not to rank institutions (see **go.iu.edu/NSSE-PnP**), 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 2019 and 2020 NSSE institutions, and

   (b) institutions with average scores placing them in the top 10% of all 2019 and 2020 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

| | | UH-Clear Lake | Your first-year students compared with | | | | | |
| | | | NSSE Top 50% | | | NSSE Top 10% | | |
Theme	Engagement Indicator	Mean	Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	39.2	39.3	-.01	✓	41.4	-.17	
	Reflective and Integrative Learning	34.3	36.7	-.20		39.0 ***	-.39	
	Learning Strategies	35.4	39.9 **	-.33		42.3 ***	-.49	
	Quantitative Reasoning	27.1	29.4	-.16		31.4 *	-.28	
Learning with Peers	Collaborative Learning	30.5	35.2 **	-.34		37.4 ***	-.51	
	Discussions with Diverse Others	40.8	41.5	-.04	✓	43.6	-.19	
Experiences with Faculty	Student-Faculty Interaction	17.9	24.5 ***	-.45		28.1 ***	-.66	
	Effective Teaching Practices	38.6	40.5	-.15		42.3 *	-.26	
Campus Environment	Quality of Interactions	46.9	45.2	.15	✓	47.2	-.03	✓
	Supportive Environment	36.6	37.9	-.09	✓	40.0	-.26	

Seniors

| | | UH-Clear Lake | Your seniors compared with | | | | | |
| | | | NSSE Top 50% | | | NSSE Top 10% | | |
Theme	Engagement Indicator	Mean	Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	40.7	41.7	-.07	✓	43.2 ***	-.18	
	Reflective and Integrative Learning	37.1	39.8 ***	-.22		41.8 ***	-.39	
	Learning Strategies	41.9	40.7	.09	✓	42.7	-.05	✓
	Quantitative Reasoning	30.0	31.4	-.09	✓	33.4 ***	-.21	
Learning with Peers	Collaborative Learning	31.1	35.9 ***	-.35		38.4 ***	-.54	
	Discussions with Diverse Others	41.6	42.1	-.03	✓	43.8 **	-.14	
Experiences with Faculty	Student-Faculty Interaction	19.6	29.7 ***	-.63		33.2 ***	-.85	
	Effective Teaching Practices	41.1	41.8	-.05	✓	43.7 ***	-.19	
Campus Environment	Quality of Interactions	45.3	45.2	.00	✓	47.4 ***	-.17	
	Supportive Environment	36.2	34.6 *	.11	✓	36.8	-.05	✓

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 2019 and 2020 institutions, separately by class. 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.

NSSE 2020 Engagement Indicators

Detailed Statistics[a]
University of Houston-Clear Lake

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												
UH-Clear Lake (N = 70)	39.2	12.7	1.51	20	30	40	45	60				
Southwest Public	37.6	13.5	.08	15	30	40	45	60	27,473	1.6	.322	.118
Carnegie Class	37.8	13.3	.05	20	30	40	45	60	81,665	1.5	.349	.112
NSSE 2019 & 2020	38.1	13.2	.02	20	30	40	45	60	324,607	1.2	.447	.091
Top 50%	39.3	13.1	.03	20	30	40	50	60	183,701	-.1	.960	-.006
Top 10%	41.4	12.8	.07	20	35	40	50	60	35,276	-2.1	.161	-.167
Reflective & Integrative Learning												
UH-Clear Lake (N = 73)	34.3	12.2	1.43	10	26	34	43	54				
Southwest Public	34.6	12.1	.07	17	26	34	43	57	29,832	-.2	.873	-.019
Carnegie Class	34.9	12.0	.04	17	26	34	43	57	88,443	-.5	.707	-.044
NSSE 2019 & 2020	35.2	12.0	.02	17	26	34	43	57	351,300	-.8	.561	-.068
Top 50%	36.7	11.8	.03	17	29	37	46	57	179,445	-2.3	.090	-.199
Top 10%	39.0	11.7	.07	20	31	40	49	60	28,239	-4.6	.001	-.394
Learning Strategies												
UH-Clear Lake (N = 65)	35.4	14.5	1.79	13	27	33	40	60				
Southwest Public	38.0	13.8	.09	20	27	40	47	60	25,941	-2.6	.126	-.190
Carnegie Class	38.5	13.8	.05	20	27	40	47	60	76,820	-3.2	.065	-.229
NSSE 2019 & 2020	38.3	13.8	.02	20	27	40	47	60	306,850	-2.9	.089	-.211
Top 50%	39.9	13.7	.03	20	33	40	53	60	155,763	-4.5	.008	-.330
Top 10%	42.3	14.1	.08	20	33	40	53	60	34,369	-6.9	.000	-.491
Quantitative Reasoning												
UH-Clear Lake (N = 66)	27.1	15.1	1.87	7	20	27	40	60				
Southwest Public	28.2	15.3	.09	0	20	27	40	60	26,445	-1.1	.561	-.072
Carnegie Class	27.9	15.4	.05	0	20	27	40	60	78,314	-.9	.644	-.057
NSSE 2019 & 2020	28.2	15.3	.03	0	20	27	40	60	312,044	-1.1	.547	-.074
Top 50%	29.4	15.2	.03	7	20	27	40	60	202,562	-2.4	.209	-.155
Top 10%	31.4	15.3	.07	7	20	33	40	60	42,784	-4.3	.023	-.282
Learning with Peers												
Collaborative Learning												
UH-Clear Lake (N = 79)	30.5	13.0	1.46	10	20	30	40	50				
Southwest Public	33.3	14.3	.08	10	25	35	45	60	32,090	-2.8	.081	-.197
Carnegie Class	30.3	15.1	.05	5	20	30	40	55	95,240	.2	.926	.010
NSSE 2019 & 2020	32.3	14.7	.02	5	20	30	40	60	378,367	-1.8	.284	-.120
Top 50%	35.2	13.7	.03	15	25	35	45	60	233,585	-4.7	.002	-.342
Top 10%	37.4	13.5	.06	15	30	40	45	60	48,973	-6.9	.000	-.510
Discussions with Diverse Others												
UH-Clear Lake (N = 65)	40.8	16.7	2.07	10	30	40	60	60				
Southwest Public	39.7	16.2	.10	10	30	40	55	60	26,169	1.1	.592	.066
Carnegie Class	38.3	16.2	.06	10	25	40	50	60	77,451	2.5	.211	.155
NSSE 2019 & 2020	39.5	15.6	.03	15	30	40	55	60	309,097	1.3	.499	.084
Top 50%	41.5	15.0	.03	20	30	40	55	60	207,379	-.6	.729	-.043
Top 10%	43.6	14.5	.07	20	35	45	60	60	43,000	-2.8	.119	-.193

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]
Experiences with Faculty												
Student-Faculty Interaction												
UH-Clear Lake (N = 70)	17.9	12.2	1.46	0	10	15	25	40				
Southwest Public	21.0	14.9	.09	0	10	20	30	50	69	-3.1	.037	-.208
Carnegie Class	21.1	14.7	.05	0	10	20	30	50	69	-3.2	.031	-.219
NSSE 2019 & 2020	21.4	14.6	.03	0	10	20	30	50	69	-3.5	.019	-.240
Top 50%	24.5	14.7	.04	5	15	20	35	55	69	-6.6	.000	-.449
Top 10%	28.1	15.5	.12	5	15	25	40	60	70	-10.2	.000	-.663
Effective Teaching Practices												
UH-Clear Lake (N = 68)	38.6	13.3	1.60	16	28	40	48	60				
Southwest Public	37.7	13.4	.08	16	28	40	48	60	27,434	.9	.578	.067
Carnegie Class	38.7	13.5	.05	16	28	40	48	60	81,296	-.1	.967	-.005
NSSE 2019 & 2020	38.4	13.2	.02	16	28	40	48	60	323,380	.1	.928	.011
Top 50%	40.5	13.2	.04	20	32	40	52	60	134,516	-1.9	.225	-.147
Top 10%	42.3	14.1	.07	16	32	44	56	60	37,104	-3.7	.031	-.261
Campus Environment												
Quality of Interactions												
UH-Clear Lake (N = 61)	46.9	10.9	1.40	22	42	50	56	60				
Southwest Public	42.9	12.3	.08	20	36	44	52	60	24,483	3.9	.012	.321
Carnegie Class	43.1	12.3	.05	20	36	44	52	60	70,681	3.8	.017	.305
NSSE 2019 & 2020	43.2	11.8	.02	22	36	44	52	60	287,056	3.7	.016	.309
Top 50%	45.2	11.2	.03	24	38	46	54	60	125,655	1.7	.234	.153
Top 10%	47.2	11.6	.07	25	40	50	58	60	30,300	-.3	.828	-.028
Supportive Environment												
UH-Clear Lake (N = 65)	36.6	15.3	1.89	13	28	38	50	60				
Southwest Public	36.7	13.6	.09	15	28	38	45	60	25,034	.0	.995	-.001
Carnegie Class	35.6	13.9	.05	13	25	37	45	60	74,103	1.0	.546	.075
NSSE 2019 & 2020	36.0	13.5	.02	15	28	38	45	60	64	.7	.730	.049
Top 50%	37.9	13.1	.03	18	30	38	48	60	64	-1.2	.518	-.094
Top 10%	40.0	12.9	.08	18	33	40	50	60	64	-3.4	.080	-.261

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.

NSSE 2020 Engagement Indicators

Detailed Statistics[a]
University of Houston-Clear Lake

Detailed Statistics: Seniors

	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												
UH-Clear Lake (N = 485)	40.7	13.8	.63	20	30	40	50	60				
Southwest Public	40.1	13.9	.07	20	30	40	50	60	35,493	.7	.292	.048
Carnegie Class	40.5	13.6	.05	20	30	40	50	60	81,084	.3	.668	.019
NSSE 2019 & 2020	40.1	13.5	.02	20	30	40	50	60	307,471	.6	.307	.046
Top 50%	41.7	13.4	.04	20	35	40	55	60	135,537	-1.0	.104	-.074
Top 10%	43.2	13.3	.07	20	35	40	55	60	33,442	-2.4	.000	-.184
Reflective & Integrative Learning												
UH-Clear Lake (N = 515)	37.1	13.7	.61	14	27	37	49	60				
Southwest Public	37.4	12.7	.07	17	29	37	46	60	526	-.3	.586	-.026
Carnegie Class	38.2	12.5	.04	17	29	37	49	60	519	-1.1	.071	-.087
NSSE 2019 & 2020	38.1	12.4	.02	17	29	37	46	60	515	-1.0	.103	-.080
Top 50%	39.8	12.2	.03	20	31	40	49	60	517	-2.7	.000	-.225
Top 10%	41.8	12.0	.08	20	34	40	51	60	533	-4.7	.000	-.388
Learning Strategies												
UH-Clear Lake (N = 471)	41.9	14.3	.66	20	33	40	53	60				
Southwest Public	39.4	14.7	.08	13	27	40	53	60	33,871	2.6	.000	.174
Carnegie Class	39.4	14.5	.05	13	27	40	53	60	77,785	2.6	.000	.178
NSSE 2019 & 2020	38.6	14.6	.03	13	27	40	53	60	294,420	3.3	.000	.228
Top 50%	40.7	14.5	.04	20	33	40	53	60	150,175	1.3	.055	.088
Top 10%	42.7	14.4	.07	20	33	40	60	60	48,334	-.7	.280	-.050
Quantitative Reasoning												
UH-Clear Lake (N = 473)	30.0	16.0	.73	7	20	27	40	60				
Southwest Public	29.7	16.3	.09	0	20	27	40	60	34,308	.3	.678	.019
Carnegie Class	30.0	16.3	.06	0	20	27	40	60	78,721	.0	.971	.002
NSSE 2019 & 2020	30.2	16.2	.03	0	20	27	40	60	298,128	-.2	.758	-.014
Top 50%	31.4	16.1	.04	0	20	33	40	60	192,041	-1.4	.058	-.087
Top 10%	33.4	15.9	.08	7	20	33	40	60	38,056	-3.3	.000	-.211
Learning with Peers												
Collaborative Learning												
UH-Clear Lake (N = 532)	31.1	14.2	.61	10	20	30	40	55				
Southwest Public	31.1	15.9	.08	5	20	30	40	60	550	.0	.964	-.002
Carnegie Class	29.8	16.2	.05	0	20	30	40	60	539	1.2	.045	.076
NSSE 2019 & 2020	32.0	15.6	.03	5	20	30	45	60	533	-.9	.127	-.060
Top 50%	35.9	14.0	.03	15	25	35	45	60	178,711	-4.9	.000	-.348
Top 10%	38.4	13.6	.08	15	30	40	50	60	31,527	-7.3	.000	-.539
Discussions with Diverse Others												
UH-Clear Lake (N = 465)	41.6	17.8	.83	0	30	40	60	60				
Southwest Public	41.1	16.8	.09	10	30	40	60	60	476	.6	.507	.033
Carnegie Class	39.3	16.6	.06	10	25	40	55	60	469	2.3	.005	.140
NSSE 2019 & 2020	40.2	15.9	.03	15	30	40	55	60	465	1.4	.089	.088
Top 50%	42.1	15.5	.04	15	30	40	60	60	466	-.4	.596	-.028
Top 10%	43.8	15.3	.07	20	35	45	60	60	471	-2.2	.010	-.141

Detailed Statistics: Seniors

	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]
Experiences with Faculty												
Student-Faculty Interaction												
UH-Clear Lake (N = 499)	19.6	16.0	.72	0	5	15	30	55				
Southwest Public	21.7	16.2	.09	0	10	20	30	55	36,445	-2.1	.003	-.132
Carnegie Class	23.9	16.1	.06	0	10	20	35	55	83,235	-4.3	.000	-.265
NSSE 2019 & 2020	23.9	16.1	.03	0	10	20	35	55	315,678	-4.3	.000	-.271
Top 50%	29.7	15.9	.06	5	20	30	40	60	71,799	-10.1	.000	-.634
Top 10%	33.2	16.0	.14	10	20	35	45	60	12,757	-13.6	.000	-.855
Effective Teaching Practices												
UH-Clear Lake (N = 484)	41.1	13.8	.63	16	32	40	52	60				
Southwest Public	39.3	14.2	.08	16	28	40	52	60	35,405	1.8	.005	.127
Carnegie Class	40.2	14.1	.05	16	32	40	52	60	81,099	.9	.168	.063
NSSE 2019 & 2020	39.7	13.8	.02	16	32	40	52	60	307,117	1.4	.027	.101
Top 50%	41.8	13.7	.04	20	32	40	52	60	115,655	-.7	.286	-.049
Top 10%	43.7	13.4	.08	20	36	44	56	60	25,870	-2.6	.000	-.194
Campus Environment												
Quality of Interactions												
UH-Clear Lake (N = 421)	45.3	12.8	.63	20	38	48	56	60				
Southwest Public	43.0	12.8	.07	20	35	44	53	60	30,940	2.3	.000	.180
Carnegie Class	43.8	12.3	.05	20	36	46	53	60	70,853	1.5	.011	.124
NSSE 2019 & 2020	43.0	12.1	.02	20	36	44	52	60	272,572	2.2	.000	.185
Top 50%	45.2	11.7	.03	24	38	48	54	60	422	.1	.928	.005
Top 10%	47.4	12.0	.06	24	40	50	58	60	428	-2.1	.001	-.175
Supportive Environment												
UH-Clear Lake (N = 451)	36.2	15.3	.72	11	25	38	48	60				
Southwest Public	32.7	14.8	.08	8	23	33	43	60	33,035	3.5	.000	.234
Carnegie Class	31.9	14.4	.05	8	20	33	40	60	455	4.2	.000	.293
NSSE 2019 & 2020	32.2	14.2	.03	10	23	33	40	60	452	3.9	.000	.278
Top 50%	34.6	14.0	.04	13	25	35	45	60	453	1.5	.033	.111
Top 10%	36.8	14.1	.09	13	28	38	48	60	466	-.7	.356	-.048

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.