
NSSE 2018

Engagement Indicators

American University of Beirut

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
	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

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 2017 and 2018 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 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., & Gonyea, R. M. (2015, May). *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

Theme	Engagement Indicator	Your first-year students compared with Selected Peers	Your first-year students compared with Private Non Profit	Your first-year students compared with NSSE 2017 & 2018
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 Selected Peers	Your seniors compared with Private Non Profit	Your seniors compared with NSSE 2017 & 2018
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

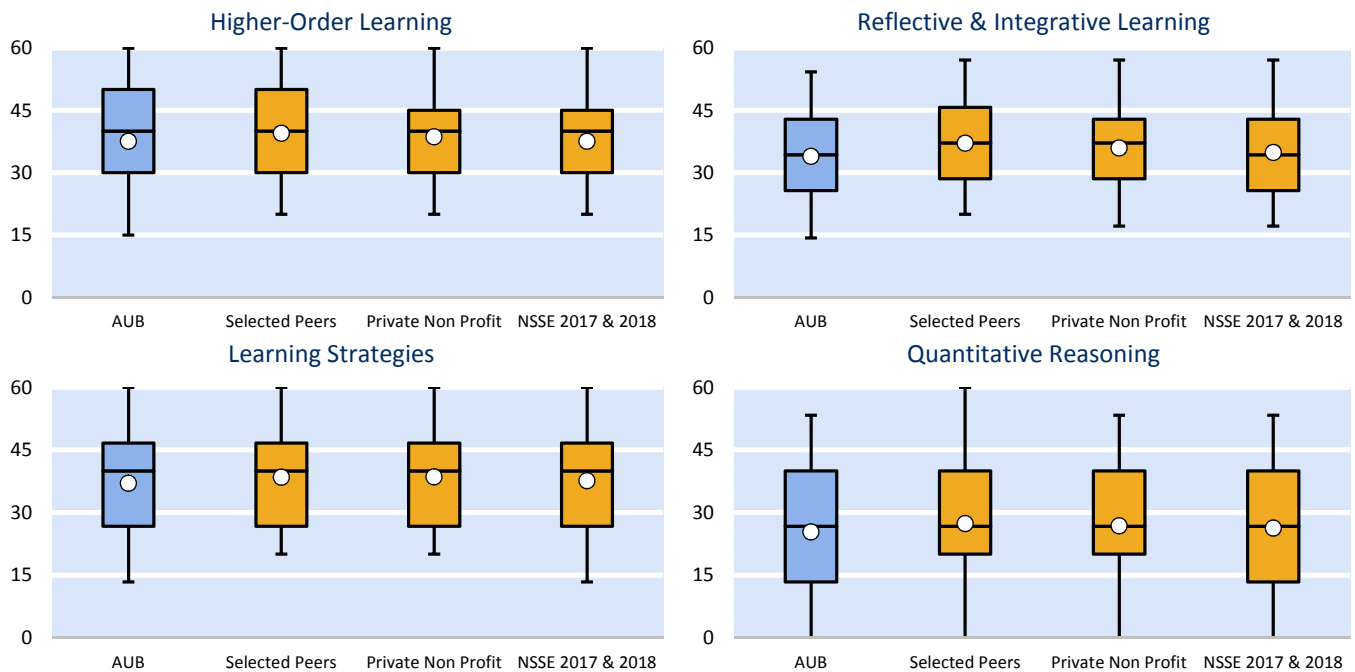
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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

Engagement Indicator	AUB Mean	Your first-year students compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.6	39.5 ***	-.15	38.7 *	-.09	37.6	.00
Reflective & Integrative Learning	34.0	37.1 ***	-.27	36.0 ***	-.18	34.9 *	-.08
Learning Strategies	37.0	38.5 **	-.11	38.5 **	-.12	37.6	-.05
Quantitative Reasoning	25.3	27.4 **	-.13	26.8 **	-.10	26.3	-.06

Notes: Due to nonstandard sampling or response issues, all results are unweighted; 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. Dark red bars indicate how much lower your institution's percentage is from that of the comparison group.

		Percentage point difference ^a between your FY students and		
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018
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	71	-4	-2	-1
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	68	-4	-4	-2
4d. Evaluating a point of view, decision, or information source	62	-11	-9	-5
4e. Forming a new idea or understanding from various pieces of information	66	-6	-5	-1
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	51	-3	-3	-2
2b. Connected your learning to societal problems or issues	51	-8	-4	-1
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	41	-21	-14	-8
2d. Examined the strengths and weaknesses of your own views on a topic or issue	58	-9	-8	-4
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	70	-2	-1	+1
2f. Learned something that changed the way you understand an issue or concept	69	-2	-0	+1
2g. Connected ideas from your courses to your prior experiences and knowledge	74	-7	-5	-3
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	69	-11	-10	-7
9b. Reviewed your notes after class	57	-7	-8	-6
9c. Summarized what you learned in class or from course materials	67	+4	+4	+5
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.)	47	-4	-2	-1
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	35	-2	-2	-1
6c. Evaluated what others have concluded from numerical information	33	-7	-5	-4

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

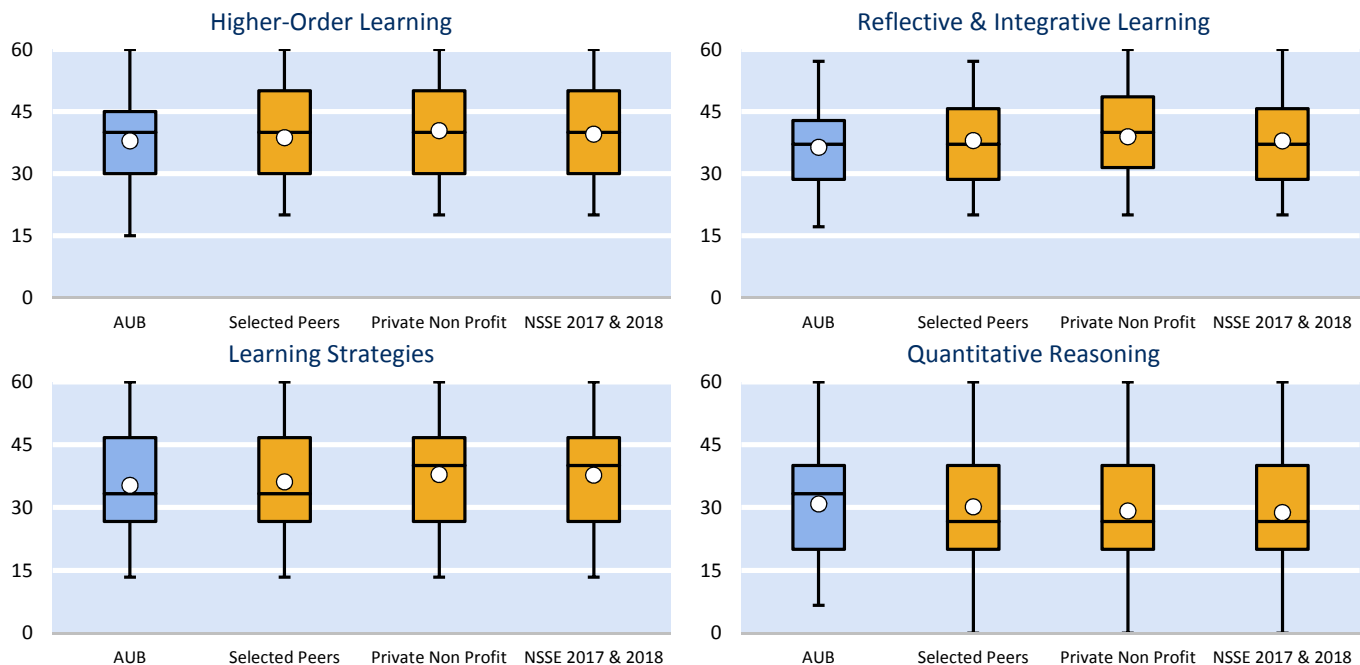
Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote student learning by challenging and supporting them to engage in various forms of deep learning. Four Engagement Indicators are part of this theme: *Higher-Order Learning*, *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	AUB Mean	Your seniors compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Higher-Order Learning	37.9	38.7	-.06	40.4 ***	-.19	39.6 **	-.12
Reflective & Integrative Learning	36.4	38.0 **	-.14	38.9 ***	-.21	37.9 **	-.13
Learning Strategies	35.3	36.1	-.06	37.9 ***	-.18	37.7 ***	-.17
Quantitative Reasoning	30.8	30.1	.04	29.2 *	.10	28.7 **	.13

Notes: Due to nonstandard sampling or response issues, all results are unweighted; 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.

		Percentage point difference ^a between your seniors and		
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018
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	70	 -7	 -9	 -7
4c. Analyzing an idea, experience, or line of reasoning in depth by examining its parts	72	 -1	 -5	 -3
4d. Evaluating a point of view, decision, or information source	62	 -5	 -11	 -8
4e. Forming a new idea or understanding from various pieces of information	68	+1 	 -5	 -3
Reflective & Integrative Learning				
Percentage of students who responded that they "Very often" or "Often"...				
2a. Combined ideas from different courses when completing assignments	64	 -4	 -6	 -5
2b. Connected your learning to societal problems or issues	57	 -6	 -8	 -5
2c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	40	 -15	 -18	 -13
2d. Examined the strengths and weaknesses of your own views on a topic or issue	63	 -2	 -6	 -3
2e. Tried to better understand someone else's views by imagining how an issue looks from his or her perspective	70	 -2	 -4	 -3
2f. Learned something that changed the way you understand an issue or concept	74	+3 	+1 	+3 
2g. Connected ideas from your courses to your prior experiences and knowledge	78	 -5	 -7	 -5
Learning Strategies				
Percentage of students who responded that they "Very often" or "Often"...				
9a. Identified key information from reading assignments	72	 -6	 -8	 -6
9b. Reviewed your notes after class	49	 -3	 -9	 -10
9c. Summarized what you learned in class or from course materials	60	+3 	 -2	 -2
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.)	63	+7 	+10 	+11 
6b. Used numerical information to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	45	 -1	+2 	+3 
6c. Evaluated what others have concluded from numerical information	46	 -2	+2 	+3 

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Learning with Peers: First-year students

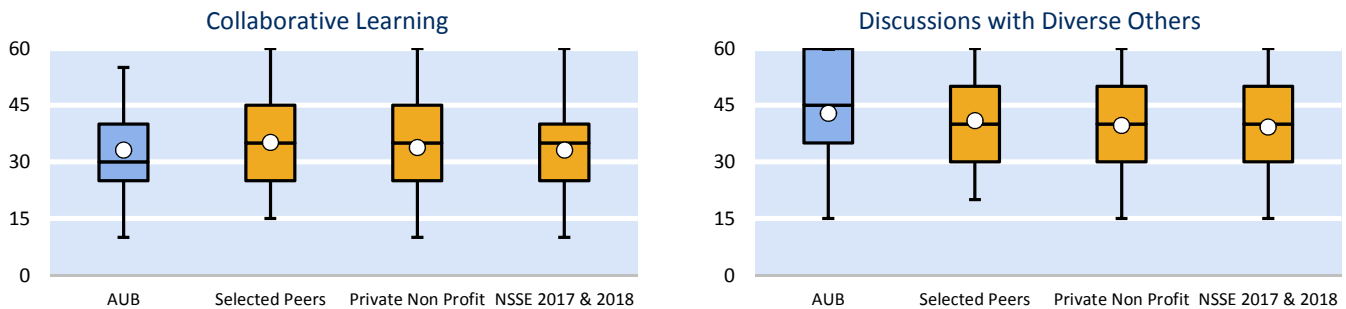
Collaborating with others in mastering difficult material and developing interpersonal and social competence prepare students to deal with complex, unscripted problems they will encounter during and after college. Two Engagement Indicators make up this theme: *Collaborative Learning* and *Discussions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

Mean Comparisons

Engagement Indicator	AUB Mean	Your first-year students compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	33.1	35.1 ***	-.15	33.8	-.05	33.1	.00
Discussions with Diverse Others	42.8	40.9 **	.13	39.6 ***	.22	39.2 ***	.24

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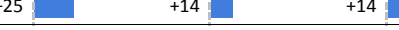
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Performance on Indicator Items

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		Percentage point difference ^a between your FY students and			
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018	
Collaborative Learning					
Percentage of students who responded that they "Very often" or "Often"...	%				
1e. Asked another student to help you understand course material	42		-15	-13	-12
1f. Explained course material to one or more students	60		-1	+1	+2
1g. Prepared for exams by discussing or working through course material with other students	51		-8	-3	-1
1h. Worked with other students on course projects or assignments	64		+4	+6	+8
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	65		-11	-7	-6
8b. People from an economic background other than your own	74		-4	+1	+4
8c. People with religious beliefs other than your own	83		+8	+18	+16
8d. People with political views other than your own	77		+25	+14	+14

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Learning with Peers: Seniors

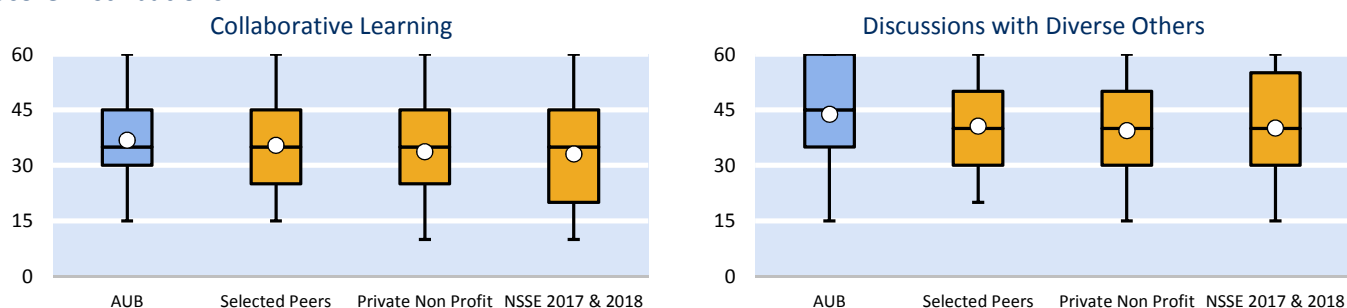
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Mean Comparisons

Engagement Indicator	AUB Mean	Your seniors compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Collaborative Learning	36.8	35.4 *	.10	33.7 ***	.21	33.1 ***	.25
Discussions with Diverse Others	43.8	40.6 ***	.23	39.4 ***	.30	40.1 ***	.24

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		Percentage point difference ^a between your seniors and		
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018
Collaborative Learning				
Percentage of students who responded that they "Very often" or "Often"...	%			
1e. Asked another student to help you understand course material	41	-12	-6	-4
1f. Explained course material to one or more students	71	+7	+9	+11
1g. Prepared for exams by discussing or working through course material with other students	60	+7	+9	+11
1h. Worked with other students on course projects or assignments	80	+10	+15	+15
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	58	-19	-12	-14
8b. People from an economic background other than your own	79	+2	+6	+7
8c. People with religious beliefs other than your own	87	+12	+24	+20
8d. People with political views other than your own	83	+34	+19	+18

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Experiences with Faculty: First-year students

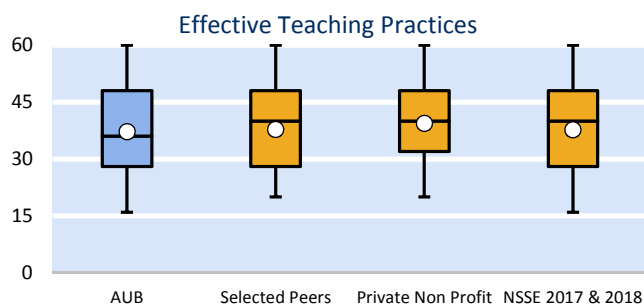
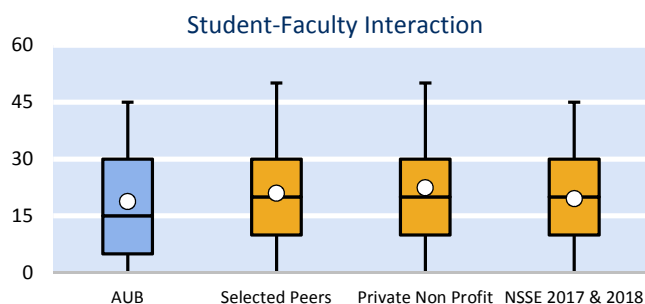
Students learn firsthand how experts think about and solve problems by interacting with faculty members inside and outside of instructional settings. As a result, faculty become role models, mentors, and guides for lifelong learning. In addition, effective teaching requires that faculty deliver course 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

Engagement Indicator	AUB Mean	Your first-year students compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Student-Faculty Interaction	18.8	21.0 ***	-.15	22.4 ***	-.26	19.5	-.05
Effective Teaching Practices	37.2	37.7	-.04	39.4 ***	-.17	37.7	-.04

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		Percentage point difference ^a between your FY students and			
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018	
Student-Faculty Interaction					
Percentage of students who responded that they "Very often" or "Often"...					
3a. Talked about career plans with a faculty member	28	-5	-10	-5	
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	17	-4	-5	-2	
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	27	-0	-2	+3	
3d. Discussed your academic performance with a faculty member	30	+1	-3	+3	
Effective Teaching Practices					
Percentage responding "Very much" or "Quite a bit" about how much instructors have...					
5a. Clearly explained course goals and requirements	71	-5	-8	-6	
5b. Taught course sessions in an organized way	70	-1	-7	-5	
5c. Used examples or illustrations to explain difficult points	76	+5	+0	+2	
5d. Provided feedback on a draft or work in progress	59	-9	-8	-0	
5e. Provided prompt and detailed feedback on tests or completed assignments	50	-6	-13	-7	

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Experiences with Faculty: Seniors

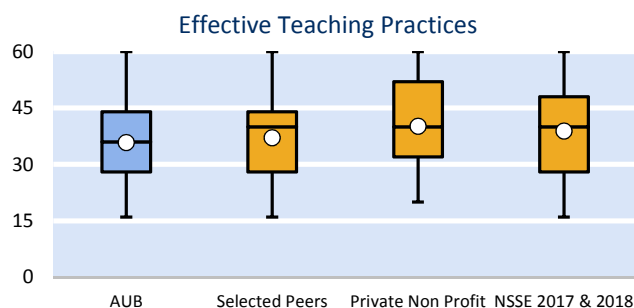
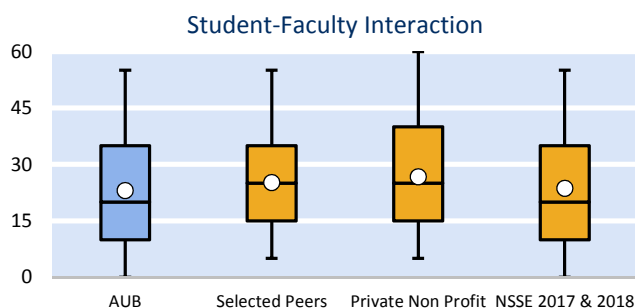
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Effective Teaching Practices	35.8	37.0	-.09	40.1 ***	-.33	38.9 ***	-.23

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3a. Talked about career plans with a faculty member	36	-9	-14	-7	
3b. Worked w/faculty on activities other than coursework (committees, student groups, etc.)	32	+2	+1	+6	
3c. Discussed course topics, ideas, or concepts with a faculty member outside of class	40	+4	+2	+8	
3d. Discussed your academic performance with a faculty member	31	-1	-6	-1	
Effective Teaching Practices					
Percentage responding "Very much" or "Quite a bit" about how much instructors have...					
5a. Clearly explained course goals and requirements	72	-6	-9	-8	
5b. Taught course sessions in an organized way	68	-6	-11	-9	
5c. Used examples or illustrations to explain difficult points	74	-3	-5	-3	
5d. Provided feedback on a draft or work in progress	59	+7	-4	+1	
5e. Provided prompt and detailed feedback on tests or completed assignments	48	-8	-18	-13	

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

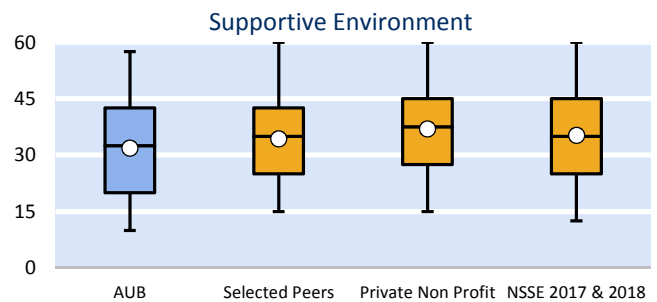
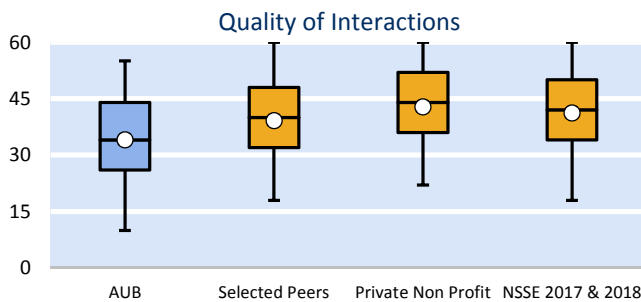
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

Mean Comparisons

Engagement Indicator	AUB Mean	Your first-year students compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	34.0	39.2 ***	-.42	42.9 ***	-.76	41.2 ***	-.57
Supportive Environment	31.8	34.4 ***	-.19	36.9 ***	-.39	35.3 ***	-.25

Notes: Due to nonstandard sampling or response issues, all results are unweighted; 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.

		Percentage point difference ^a between your FY students and			
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018	
Quality of Interactions					
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...					
13a. Students	51	+1	-3	+0	
13b. Academic advisors	26	-15	-25	-21	
13c. Faculty	27	-13	-27	-20	
13d. Student services staff (career services, student activities, housing, etc.)	26	-9	-20	-16	
13e. Other administrative staff and offices (registrar, financial aid, etc.)	23	-8	-22	-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	55	-14	-23	-20	
14c. Using learning support services (tutoring services, writing center, etc.)	60	-12	-19	-14	
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	61	+0	-1	+2	
14e. Providing opportunities to be involved socially	66	-4	-7	-4	
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	61	+2	-8	-7	
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	33	-0	-10	-7	
14h. Attending campus activities and events (performing arts, athletic events, etc.)	52	-10	-14	-9	
14i. Attending events that address important social, economic, or political issues	51	-3	-4	+1	

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

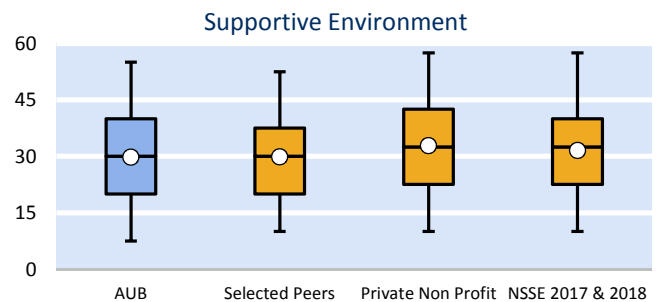
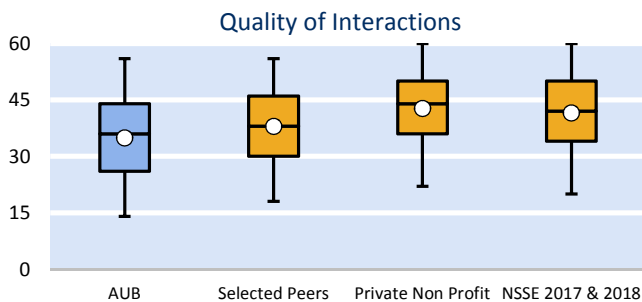
Students benefit and are more satisfied in supportive settings that cultivate positive relationships among students, faculty, and staff. Two Engagement Indicators investigate this theme: *Quality of Interactions* and *Supportive Environment*. Below are three views of your results alongside those of your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

Mean Comparisons

Engagement Indicator	AUB Mean	Your seniors compared with					
		Selected Peers		Private Non Profit		NSSE 2017 & 2018	
		Mean	Effect size	Mean	Effect size	Mean	Effect size
Quality of Interactions	35.0	38.0 ***	-.26	42.7 ***	-.67	41.6 ***	-.54
Supportive Environment	29.8	29.9	-.01	32.8 ***	-.23	31.6 **	-.13

Notes: Due to nonstandard sampling or response issues, all results are unweighted; 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.

		Percentage point difference ^a between your seniors and			
	AUB	Selected Peers	Private Non Profit	NSSE 2017 & 2018	
Quality of Interactions					
Percentage rating their interactions a 6 or 7 (on a scale from 1="Poor" to 7="Excellent") with...					
13a. Students	57	+8	-0	+1	
13b. Academic advisors	26	-12	-29	-22	
13c. Faculty	30	-13	-29	-23	
13d. Student services staff (career services, student activities, housing, etc.)	27	-0	-13	-12	
13e. Other administrative staff and offices (registrar, financial aid, etc.)	24	-1	-17	-15	
Supportive Environment					
Percentage responding "Very much" or "Quite a bit" about how much the institution emphasized...					
14b. Providing support to help students succeed academically	47	-10	-26	-21	
14c. Using learning support services (tutoring services, writing center, etc.)	50	-6	-18	-14	
14d. Encouraging contact among students from diff. backgrounds (soc., racial/eth., relig., etc.)	57	+7	+4	+5	
14e. Providing opportunities to be involved socially	62	-0	-4	-1	
14f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	57	+5	-3	-3	
14g. Helping you manage your non-academic responsibilities (work, family, etc.)	26	+4	-5	-4	
14h. Attending campus activities and events (performing arts, athletic events, etc.)	53	+1	-2	+2	
14i. Attending events that address important social, economic, or political issues	50	+4	+3	+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.

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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 2017 and 2018 NSSE institutions, and
- (b) institutions with average scores placing them in the top 10% of all 2017 and 2018 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

Theme	Engagement Indicator	AUB Mean	Your first-year students compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.6	39.1 **	-.12		40.8 ***	-.25	
	Reflective and Integrative Learning	34.0	36.7 ***	-.23		38.5 ***	-.39	
	Learning Strategies	37.0	39.6 ***	-.20		41.7 ***	-.34	
	Quantitative Reasoning	25.3	28.3 ***	-.20		30.2 ***	-.32	
Learning with Peers	Collaborative Learning	33.1	35.4 ***	-.17		37.6 ***	-.33	
	Discussions with Diverse Others	42.8	41.4 *	.09	✓	43.9	-.07	✓
Experiences with Faculty	Student-Faculty Interaction	18.8	24.3 ***	-.38		27.3 ***	-.56	
	Effective Teaching Practices	37.2	40.3 ***	-.25		42.1 ***	-.37	
Campus Environment	Quality of Interactions	34.0	43.9 ***	-.87		46.0 ***	-1.02	
	Supportive Environment	31.8	38.3 ***	-.49		40.1 ***	-.64	

Seniors

Theme	Engagement Indicator	AUB Mean	Your seniors compared with					
			NSSE Top 50%			NSSE Top 10%		
			Mean	Effect size	✓	Mean	Effect size	✓
Academic Challenge	Higher-Order Learning	37.9	41.5 ***	-.27		42.9 ***	-.37	
	Reflective and Integrative Learning	36.4	39.8 ***	-.29		41.5 ***	-.42	
	Learning Strategies	35.3	40.3 ***	-.35		42.8 ***	-.54	
	Quantitative Reasoning	30.8	30.5	.02	✓	32.5 *	-.11	
Learning with Peers	Collaborative Learning	36.8	35.9	.07	✓	38.3 *	-.11	
	Discussions with Diverse Others	43.8	42.1 *	.11	✓	44.1	-.02	✓
Experiences with Faculty	Student-Faculty Interaction	23.0	29.5 ***	-.41		33.8 ***	-.68	
	Effective Teaching Practices	35.8	41.4 ***	-.42		43.5 ***	-.57	
Campus Environment	Quality of Interactions	35.0	44.4 ***	-.81		46.6 ***	-.96	
	Supportive Environment	29.8	34.6 ***	-.35		37.0 ***	-.54	

Notes: Due to nonstandard sampling or response issues, all results are unweighted; 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 2017 and 2018 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.

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												
AUB (N = 757)	37.6	13.2	.48	15	30	40	50	60				
Selected Peers	39.5	12.8	.23	20	30	40	50	60	1,135	-1.9	.000	-.149
Private Non Profit	38.7	12.7	.04	20	30	40	45	60	768	-1.1	.022	-.086
NSSE 2017 & 2018	37.6	13.0	.02	20	30	40	45	60	292,180	.0	.939	.003
Top 50%	39.1	12.8	.03	20	30	40	50	60	764	-1.5	.002	-.117
Top 10%	40.8	12.9	.07	20	35	40	50	60	793	-3.2	.000	-.250
Reflective & Integrative Learning												
AUB (N = 826)	34.0	11.7	.41	14	26	34	43	54				
Selected Peers	37.1	11.5	.20	20	29	37	46	57	4,025	-3.1	.000	-.272
Private Non Profit	36.0	11.5	.04	17	29	37	43	57	92,020	-2.0	.000	-.177
NSSE 2017 & 2018	34.9	11.7	.02	17	26	34	43	57	305,168	-1.0	.018	-.083
Top 50%	36.7	11.6	.03	20	29	37	43	57	134,611	-2.7	.000	-.232
Top 10%	38.5	11.7	.07	20	31	40	46	60	25,414	-4.6	.000	-.393
Learning Strategies												
AUB (N = 709)	37.0	13.6	.51	13	27	40	47	60				
Selected Peers	38.5	13.4	.25	20	27	40	47	60	3,652	-1.5	.008	-.112
Private Non Profit	38.5	13.4	.05	20	27	40	47	60	81,790	-1.6	.002	-.116
NSSE 2017 & 2018	37.6	13.6	.03	13	27	40	47	60	269,599	-.7	.195	-.049
Top 50%	39.6	13.5	.04	20	27	40	53	60	115,463	-2.6	.000	-.195
Top 10%	41.7	13.8	.10	20	33	40	53	60	20,709	-4.7	.000	-.343
Quantitative Reasoning												
AUB (N = 728)	25.3	15.7	.58	0	13	27	40	53				
Selected Peers	27.4	15.3	.28	0	20	27	40	60	3,702	-2.0	.001	-.132
Private Non Profit	26.8	15.1	.05	0	20	27	40	53	85,854	-1.5	.010	-.096
NSSE 2017 & 2018	26.3	15.2	.03	0	13	27	40	53	286,954	-.9	.105	-.060
Top 50%	28.3	15.1	.04	0	20	27	40	60	147,260	-3.0	.000	-.199
Top 10%	30.2	15.1	.09	7	20	27	40	60	31,217	-4.9	.000	-.324
Learning with Peers												
Collaborative Learning												
AUB (N = 865)	33.1	13.5	.46	10	25	30	40	55				
Selected Peers	35.1	13.7	.24	15	25	35	45	60	4,193	-2.0	.000	-.146
Private Non Profit	33.8	13.9	.05	10	25	35	45	60	95,637	-.7	.169	-.047
NSSE 2017 & 2018	33.1	14.1	.03	10	25	35	40	60	316,465	.0	.956	.002
Top 50%	35.4	13.5	.03	15	25	35	45	60	165,954	-2.2	.000	-.166
Top 10%	37.6	13.5	.08	15	30	40	50	60	32,478	-4.5	.000	-.335
Discussions with Diverse Others												
AUB (N = 717)	42.8	15.4	.57	15	35	45	60	60				
Selected Peers	40.9	14.0	.26	20	30	40	50	60	1,023	1.9	.002	.135
Private Non Profit	39.6	14.7	.05	15	30	40	50	60	728	3.2	.000	.220
NSSE 2017 & 2018	39.2	15.3	.03	15	30	40	50	60	271,322	3.6	.000	.237
Top 50%	41.4	14.8	.04	20	30	40	55	60	145,556	1.4	.013	.093
Top 10%	43.9	14.5	.09	20	35	45	60	60	24,248	-1.0	.060	-.071

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
Experiences with Faculty												
Student-Faculty Interaction												
AUB (N = 784)	18.8	14.3	.51	0	5	15	30	45				
Selected Peers	21.0	14.4	.26	0	10	20	30	50	3,875	-2.2	.000	-.152
Private Non Profit	22.4	14.2	.05	0	10	20	30	50	89,318	-3.6	.000	-.255
NSSE 2017 & 2018	19.5	14.5	.03	0	10	20	30	45	297,040	-.8	.138	-.053
Top 50%	24.3	14.6	.05	5	15	20	35	55	94,724	-5.6	.000	-.380
Top 10%	27.3	15.4	.14	5	15	25	40	60	898	-8.6	.000	-.557
Effective Teaching Practices												
AUB (N = 758)	37.2	13.4	.49	16	28	36	48	60				
Selected Peers	37.7	12.6	.23	20	28	40	48	60	1,117	-.6	.297	-.044
Private Non Profit	39.4	12.5	.04	20	32	40	48	60	769	-2.2	.000	-.174
NSSE 2017 & 2018	37.7	12.8	.02	16	28	40	48	60	761	-.5	.278	-.041
Top 50%	40.3	12.8	.04	20	32	40	52	60	767	-3.2	.000	-.247
Top 10%	42.1	13.4	.09	20	32	40	52	60	22,186	-4.9	.000	-.368
Campus Environment												
Quality of Interactions												
AUB (N = 657)	34.0	13.3	.52	10	26	34	44	55				
Selected Peers	39.2	12.0	.23	18	32	40	48	60	921	-5.1	.000	-.420
Private Non Profit	42.9	11.7	.04	22	36	44	52	60	665	-8.8	.000	-.756
NSSE 2017 & 2018	41.2	12.4	.03	18	34	42	50	60	659	-7.1	.000	-.574
Top 50%	43.9	11.4	.04	22	38	46	52	60	663	-9.9	.000	-.865
Top 10%	46.0	11.7	.09	24	40	48	56	60	697	-11.9	.000	-1.016
Supportive Environment												
AUB (N = 680)	31.8	14.2	.54	10	20	33	43	58				
Selected Peers	34.4	12.9	.24	15	25	35	43	60	960	-2.5	.000	-.192
Private Non Profit	36.9	13.1	.05	15	28	38	45	60	689	-5.1	.000	-.389
NSSE 2017 & 2018	35.3	13.5	.03	13	25	35	45	60	682	-3.4	.000	-.254
Top 50%	38.3	13.0	.04	18	30	40	48	60	686	-6.4	.000	-.493
Top 10%	40.1	13.0	.09	18	33	40	50	60	714	-8.3	.000	-.637

a. Due to nonstandard sampling or response issues, all results are unweighted.

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 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												
AUB (N = 466)	37.9	14.0	.65	15	30	40	45	60				
Selected Peers	38.7	12.9	.27	20	30	40	50	60	629	-.8	.274	-.059
Private Non Profit	40.4	13.0	.04	20	30	40	50	60	469	-2.5	.000	-.192
NSSE 2017 & 2018	39.6	13.5	.02	20	30	40	50	60	344,017	-1.6	.009	-.121
Top 50%	41.5	13.4	.04	20	35	40	55	60	139,061	-3.6	.000	-.268
Top 10%	42.9	13.5	.07	20	35	40	55	60	33,892	-5.0	.000	-.368
Reflective & Integrative Learning												
AUB (N = 502)	36.4	12.1	.54	17	29	37	43	57				
Selected Peers	38.0	11.9	.24	20	29	37	46	57	2,977	-1.6	.005	-.137
Private Non Profit	38.9	11.9	.04	20	31	40	49	60	93,660	-2.5	.000	-.212
NSSE 2017 & 2018	37.9	12.3	.02	20	29	37	46	60	356,084	-1.6	.004	-.128
Top 50%	39.8	12.1	.03	20	31	40	49	60	138,076	-3.5	.000	-.287
Top 10%	41.5	12.1	.07	20	34	40	51	60	27,003	-5.1	.000	-.420
Learning Strategies												
AUB (N = 443)	35.3	14.8	.71	13	27	33	47	60				
Selected Peers	36.1	14.0	.29	13	27	33	47	60	2,710	-.8	.268	-.058
Private Non Profit	37.9	14.1	.05	13	27	40	47	60	85,143	-2.6	.000	-.183
NSSE 2017 & 2018	37.7	14.4	.03	13	27	40	47	60	320,826	-2.4	.000	-.170
Top 50%	40.3	14.3	.04	20	33	40	53	60	139,686	-5.0	.000	-.352
Top 10%	42.8	14.0	.08	20	33	40	60	60	29,011	-7.5	.000	-.535
Quantitative Reasoning												
AUB (N = 453)	30.8	15.9	.75	7	20	33	40	60				
Selected Peers	30.1	16.3	.34	0	20	27	40	60	2,757	.7	.418	.042
Private Non Profit	29.2	16.1	.05	0	20	27	40	60	88,750	1.6	.030	.102
NSSE 2017 & 2018	28.7	16.1	.03	0	20	27	40	60	338,708	2.1	.007	.128
Top 50%	30.5	16.0	.04	0	20	27	40	60	181,900	.3	.647	.022
Top 10%	32.5	15.7	.08	7	20	33	40	60	36,044	-1.7	.019	-.110
Learning with Peers												
Collaborative Learning												
AUB (N = 522)	36.8	13.0	.57	15	30	35	45	60				
Selected Peers	35.4	13.6	.27	15	25	35	45	60	3,091	1.4	.035	.101
Private Non Profit	33.7	14.4	.05	10	25	35	45	60	528	3.1	.000	.214
NSSE 2017 & 2018	33.1	14.7	.02	10	20	35	45	60	523	3.7	.000	.253
Top 50%	35.9	13.7	.03	15	25	35	45	60	191,392	1.0	.112	.070
Top 10%	38.3	13.4	.08	15	30	40	50	60	27,773	-1.5	.012	-.111
Discussions with Diverse Others												
AUB (N = 449)	43.8	14.6	.69	15	35	45	60	60				
Selected Peers	40.6	14.1	.29	20	30	40	50	60	2,745	3.2	.000	.226
Private Non Profit	39.4	14.8	.05	15	30	40	50	60	85,555	4.4	.000	.297
NSSE 2017 & 2018	40.1	15.5	.03	15	30	40	55	60	322,333	3.8	.000	.243
Top 50%	42.1	15.4	.04	15	30	40	60	60	450	1.8	.011	.114
Top 10%	44.1	15.4	.08	20	35	45	60	60	459	-.2	.729	-.016

Detailed Statistics: Seniors

	Mean statistics			Percentile ^d scores					Comparison results			
	Mean	SD ^b	SEM ^c	5th	25th	50th	75th	95th	Deg. of freedom ^e	Mean diff.	Sig. ^f	Effect size ^g
Experiences with Faculty												
Student-Faculty Interaction												
AUB (N = 479)	23.0	15.8	.72	0	10	20	35	55				
Selected Peers	25.2	15.0	.31	5	15	25	35	55	2,885	-2.1	.005	-.141
Private Non Profit	26.7	15.6	.05	5	15	25	40	60	91,554	-3.6	.000	-.233
NSSE 2017 & 2018	23.6	15.8	.03	0	10	20	35	55	348,464	-.6	.443	-.035
Top 50%	29.5	15.6	.05	5	20	30	40	60	91,289	-6.4	.000	-.412
Top 10%	33.8	15.9	.16	10	20	35	45	60	10,672	-10.8	.000	-.678
Effective Teaching Practices												
AUB (N = 469)	35.8	13.5	.62	16	28	36	44	60				
Selected Peers	37.0	12.6	.26	16	28	40	44	60	640	-1.2	.075	-.094
Private Non Profit	40.1	13.0	.04	20	32	40	52	60	90,599	-4.3	.000	-.328
NSSE 2017 & 2018	38.9	13.4	.02	16	28	40	48	60	345,411	-3.0	.000	-.227
Top 50%	41.4	13.4	.04	20	32	40	52	60	123,946	-5.6	.000	-.419
Top 10%	43.5	13.4	.09	20	36	44	56	60	24,011	-7.7	.000	-.570
Campus Environment												
Quality of Interactions												
AUB (N = 429)	35.0	12.9	.62	14	26	36	44	56				
Selected Peers	38.0	11.7	.25	18	30	38	46	56	570	-3.0	.000	-.255
Private Non Profit	42.7	11.5	.04	22	36	44	50	60	432	-7.8	.000	-.674
NSSE 2017 & 2018	41.6	12.2	.02	20	34	42	50	60	429	-6.6	.000	-.544
Top 50%	44.4	11.6	.04	22	38	46	53	60	431	-9.5	.000	-.813
Top 10%	46.6	12.1	.08	23	40	50	56	60	442	-11.6	.000	-.959
Supportive Environment												
AUB (N = 428)	29.8	14.5	.70	8	20	30	40	55				
Selected Peers	29.9	12.9	.27	10	20	30	38	53	564	-.1	.915	-.006
Private Non Profit	32.8	13.5	.05	10	23	33	43	58	431	-3.1	.000	-.225
NSSE 2017 & 2018	31.6	13.9	.02	10	23	33	40	58	310,319	-1.8	.007	-.130
Top 50%	34.6	13.6	.04	13	25	35	43	60	430	-4.8	.000	-.354
Top 10%	37.0	13.4	.09	15	28	38	48	60	442	-7.2	.000	-.538

a. Due to nonstandard sampling or response issues, all results are unweighted.

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 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.