

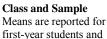
CUNY New York City College of Technology

Benchmark Comparisons August 2009



Interpreting the Benchmark Comparisons Report

To focus discussions about the importance of student engagement and to guide institutional improvement efforts, NSSE created five Benchmarks of Effective Educational Practice: Level of Academic Challenge, Active and Collaborative Learning, Student-Faculty Interaction, Enriching Educational Experiences, and Supportive Campus Environment. This Benchmark Comparisons Report compares the performance of your institution with your selected peers or consortium. In addition, page 9 provides two other comparisons between your school and (a) above-average institutions with benchmarks in the top 50% of all NSSE institutions and (b) high-performing institutions with benchmarks in the top 10% of all NSSE institutions. These displays allow you to determine if the engagement of your typical student differs in a statistically significant, meaningful way from the average student in these comparison groups. More detailed information about how benchmarks are created can be found on the NSSE Web site at www.nsse.iub.edu/2009 Institutional Report/.



seniors. Institution-

reported class levels are used. All randomly

selected students are

analyses. Students in

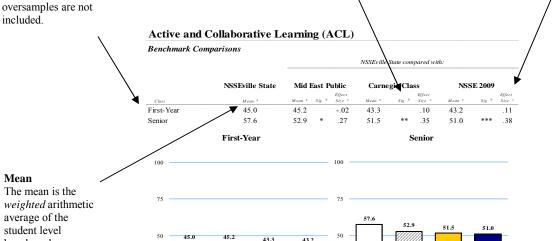
included in these

targeted or locally

administered

Statistical Significance

Benchmarks with mean differences that are larger than would be expected by chance alone are noted with one, two, or three asterisks, denoting one of three significance levels (p<.05, p<.01, and p<.001). The smaller the significance level, the smaller the likelihood that the difference is due to chance. Please note that statistical significance does not guarantee that the result is substantive or important. Large sample sizes (as with the NSSE project) tend to produce more statistically significant results even though the magnitude of mean differences may be inconsequential. It is recommended to consult effect sizes to judge the practical meaning of the results.

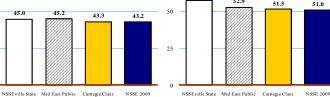


Effect Size^a Effect size indicates the

practical significance of the mean difference. It is calculated by dividing the mean difference by the pooled standard deviation. In practice, an effect size of .2 is often considered small, .5 moderate, and .8 large. A positive sign indicates that your institution's mean was greater, thus showing an affirmative result for the institution. A negative sign indicates the institution lags behind the comparison group, suggesting that the student behavior or institutional practice represented by the item may warrant attention.

Mean

The mean is the weighted arithmetic average of the student level benchmark scores.



Benchmark Description & Survey Items

A description of the benchmark and the individual items used in its creation is provided.

Active and Collaborative Learning (ACL) Items

Students learn more when they are intensely involved in their education and asked to think about what they are learning in different settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, problems they will encounter daily during and after college.

- Asked questions in class or contributed to class discussions
 Made a class precenterior
- Made a class presentation Worked with other students on projects **during class**

25

0

- Worked with classmates **outside of class** to prepare class assignments Tutored or taught other students (paid or voluntary)
- Participated in a community-based project (e.g., service learning) as part of a regular course Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)

Bar Charts

A visual display of first-year and senior mean benchmark scores for your institution and your selected comparison or consortium groups.



Level of Academic Challenge (LAC)

Mean Comparisons CUNY New York City College of Technology compared with: NYCCT **CSWC CUNY System NSSE 2009** Effect Effect Effect Sig ^b Sig ^b Mean^a Size c Mean^a Size c Mean^a Sig ^b Mean^a Size Class 51.7 First-Year 53.6 -.14 54.0 -.15 53.7 -.14 Senior 58.4 56.7 .12 56.3 .14 57.0 .09 ^a Weighted by gender, enrollment status, and institutional size. ^b * p<.05 ** p<.01 ***p<.001 (2-tailed). ^c Mean difference divided by the pooled standard deviation. **First-Year** Senior 100 100 75 75 58.4 57.0 56.7 56.3 53.6 54.0 53.7 51.7 50 50 25 25 0 0 NYCCT CSWC CUNY System NSSE 2009 NYCCT CSWC CUNY System **NSSE 2009**

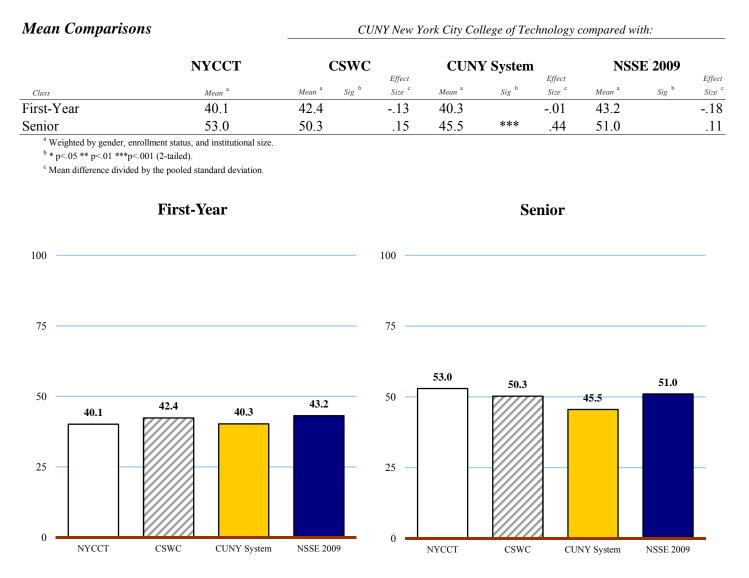
Level of Academic Challenge (LAC) Items

Challenging intellectual and creative work is central to student learning and collegiate quality. Colleges and universities promote high levels of student achievement by emphasizing the importance of academic effort and setting high expectations for student performance.

- Preparing for class (studying, reading, writing, doing homework or lab work, etc. related to academic program)
- Number of assigned textbooks, books, or book-length packs of course readings
- Number of written papers or reports of <u>20 pages or more</u>; number of written papers or reports of <u>between 5 and 19 pages</u>; and number of written papers or reports of <u>fewer than 5 pages</u>
- Coursework emphasizes: Analysis of the basic elements of an idea, experience or theory
- Coursework emphasizes: **Synthesis** and organizing of ideas, information, or experiences into new, more complex interpretations and relationships
- Coursework emphasizes: Making of judgments about the value of information, arguments, or methods
- Coursework emphasizes: Applying theories or concepts to practical problems or in new situations
- Working harder than you thought you could to meet an instructor's standards or expectations
- Campus environment emphasizes: Spending significant amount of time studying and on academic work.



Active and Collaborative Learning (ACL)



Active and Collaborative Learning (ACL) Items

Students learn more when they are intensely involved in their education and asked to think about what they are learning in different settings. Collaborating with others in solving problems or mastering difficult material prepares students for the messy, unscripted problems they will encounter daily during and after college.

Asked questions in class or contributed to class discussions

- Made a class presentation
- Worked with other students on projects during class
- Worked with classmates outside of class to prepare class assignments
- Tutored or taught other students (paid or voluntary)
- Participated in a community-based project (e.g., service learning) as part of a regular course

Discussed ideas from your readings or classes with others outside of class (students, family members, co-workers, etc.)



Student-Faculty Interaction (SFI)

Mean Comparisons

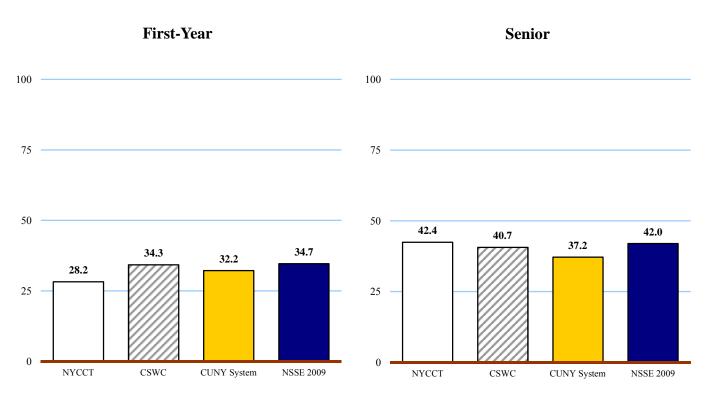
CUNY New York City College of Technology compared with:

	NYCCT	CSW	CUNY System			NSSE 2009			
			Effect		·	Effect			Effect
Class	Mean ^a	Mean ^a Sig	b Size c	Mean ^a	Sig b	Size c	Mean ^a	Sig ^b	Size c
First-Year	28.2	34.3	33	32.2		21	34.7		35
Senior	42.4	40.7	.08	37.2	*	.25	42.0		.02

"Weighted by gender, enrollment status, and institutional size.

^b * p<.05 ** p<.01 ***p<.001 (2-tailed).

^c Mean difference divided by the pooled standard deviation.



Student-Faculty Interaction (SFI) Items

Students learn firsthand how experts think about and solve practical problems by interacting with faculty members inside and outside the classroom. As a result, their teachers become role models, mentors, and guides for continuous, life-long learning.

Discussed grades or assignments with an instructor

Talked about career plans with a faculty member or advisor

Discussed ideas from your readings or classes with faculty members outside of class

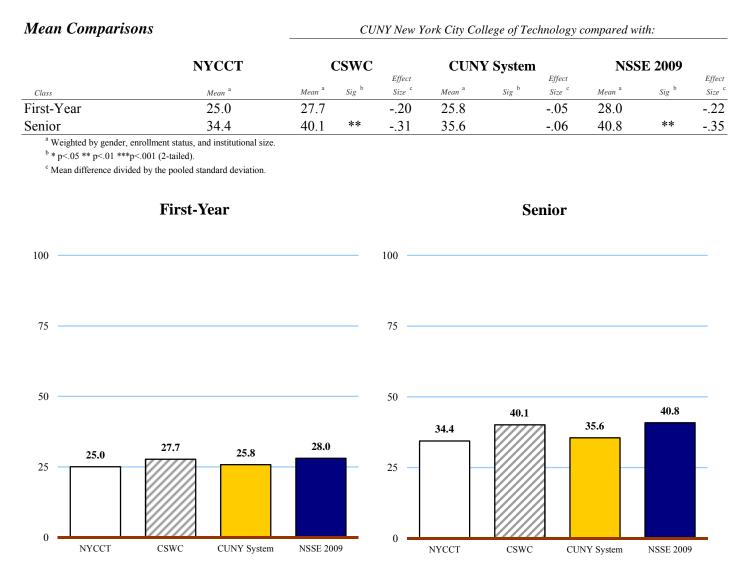
Worked with faculty members on activities other than coursework (committees, orientation, student-life activities, etc.)

Received prompt written or oral feedback from faculty on your academic performance

Worked on a research project with a faculty member outside of course or program requirements



Enriching Educational Experiences (EEE)



Enriching Educational Experiences (EEE) Items

Complementary learning opportunities enhance academic programs. Diversity experiences teach students valuable things about themselves and others. Technology facilitates collaboration between peers and instructors. Internships, community service, and senior capstone courses provide opportunities to integrate and apply knowledge.

- Participating in co-curricular activities (organizations, campus publications, student government, social fraternity or sorority, etc.)
- Practicum, internship, field experience, co-op experience, or clinical assignment
- Community service or volunteer work
- Foreign language coursework / Study abroad
- Independent study or self-designed major
- Culminating senior experience (capstone course, senior project or thesis, comprehensive exam, etc.)
- Serious conversations with students of different religious beliefs, political opinions, or personal values
- Serious conversations with students of a different race or ethnicity than your own

Using electronic medium (e.g., listserv, chat group, Internet, instant messaging, etc.) to discuss or complete an assignment Campus environment encouraging contact among students from different economic, social, and racial or ethnic backgrounds Participate in a learning community or some other formal program where groups of students take two or more classes together



Supportive Campus Environment (SCE)

Mean Comparisons CUNY New York City College of Technology compared with: **NSSE 2009** NYCCT **CSWC CUNY System** Effect Effect Effect Sig ^b Mean^a Sig ^b Sig^b Mean^a Mean^a Size c Size c Mean^a Size c Class 60.2 .21 .38 First-Year 64.2 56.6 61.6 .14 Senior 55.6 56.3 -.03 52.3 .16 58.2 -.13 ^a Weighted by gender, enrollment status, and institutional size. ^b * p<.05 ** p<.01 ***p<.001 (2-tailed). ^c Mean difference divided by the pooled standard deviation. **First-Year** Senior 100 100 75 75 64.2 61.6 60.2 58.2 56.6 56.3 55.6 52.3 50 50 25 25 0 0 NYCCT CSWC CUNY System NSSE 2009 NYCCT CSWC CUNY System **NSSE 2009**

Supportive Campus Environment (SCE) Items

Students perform better and are more satisfied at colleges that are committed to their success and cultivate positive working and social relations among different groups on campus.

- Campus environment provides the support you need to help you succeed academically
- Campus environment helps you cope with your non-academic responsibilities (work, family, etc.)
- Campus environment provides the support you need to thrive socially
- Quality of relationships with other students
- Quality of relationships with faculty members
- Quality of relationships with administrative personnel and offices



Interpreting the Top 10% and Top 50% Comparisons

This section of the NSSE Benchmark Comparisons report allows you to estimate the performance of your average student in relation to the average student attending two different institutional peer groups identified by NSSE for their high levels of student engagement: (a) those with benchmark scores placing them in the top 50% of all NSSE schools in 2009 and (b) those with benchmark scores in the top 10% for 2009.^a These comparisons allow an institution to determine if the engagement of their students differs in significant, meaningful ways from students in these high performing peer groups.

Example

					NSSEville Sta	te compared w	ith			
		NSSEville State		NSSE Top 5		NSSE 2009 Top 10%				
		Mean	Mean	Sig	Effect size	Mean	Sig	Effect size		
• .	LAC	57.1	55.8	*	.10	60.5	***	-0.28		
ear	ACL	50.3	45.8	***	.28	50.7		-0.02		
t-Y	SFI	37.3	37.2		.01	42.0	***	-0.24		
First	EEE	21.8	30.0	***	63	34.4	***	-0.98		
Ξ.	SCE	60.9	64.7	***	21	69.7	***	-0.49		

NSSEville State CAN conclude...

- The average score for NSSEville State first-year students is slightly above (i.e., small positive effect size) that of the average student attending NSSE 2009 schools that scored in the top 50% on Level of Academic Challenge (LAC).
- The average NSSEville State first-year student is as engaged (i.e., not significantly different) as the average student attending NSSE 2009 schools that scored in the top 10% on Active and Collaborative Learning (ACL).
- It is *likely* that NSSEville State is in the top 50% of all NSSE 2009 schools for first-year students on Level of Academic Challenge (LAC) and Active and Collaborative Learning (ACL).^a

NSSEville State CANNOT conclude^a...

- NSSEville State is in the top half of all schools on the Student-Faculty Interaction (SFI) benchmark for first-year students.^a
- NSSEville State is a "top ten percent" institution on Active and Collaborative Learning (ACL) for first-year students.^a

For additional information on how to understand and use the Top 50% and Top 10% section of the benchmark report, see www.nsse.iub.edu/2009_Institutional_Report/.

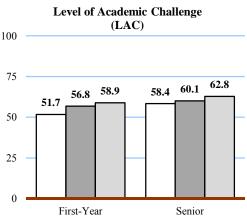
^a Precision-weighted means (produced by Hierarchical Linear Modeling) were used to determine the top 50% and top 10% institutions for each benchmark, separately for first-year and senior students. Using this method, benchmark scores of institutions with relatively large standard errors are adjusted substantially toward the grand mean of all students, while those with smaller standard errors receive smaller corrections. Thus, schools with less stable data, though they may have high scores, may not be identified 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 individual school results and our policy against the ranking of institutions.



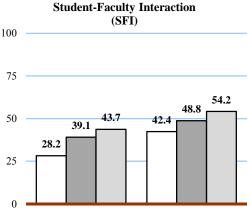
NSSE 2009 Benchmark Comparisons With Highly Engaging Institutions CUNY New York City College of Technology

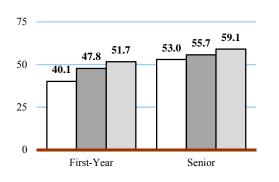
			NYCCT compared with									
		NYCCT		NSSE 2 Top 5(NSSE 2009 Top 10%						
		Mean ^a	Mean ^a	Sig ^b	Effect size °	Mean ^a	Sig ^b	Effect size ^c				
•	LAC	51.7	56.8		39	58.9	**	55				
ear	ACL	40.1	47.8	*	46	51.7	***	66				
t-Y	SFI	28.2	39.1	**	57	43.7	***	75				
First-Year	EEE	25.0	31.0	*	45	32.8	**	57				
	SCE	64.2	66.2		11	69.1		27				
	LAC	58.4	60.1		13	62.8	**	33				
r	ACL	53.0	55.7		16	59.1	**	36				
Senior	SFI	42.4	48.8	**	30	54.2	***	53				
Ň	EEE	34.4	48.1	***	77	54.2	***	-1.15				
	SCE	55.6	64.1	***	45	67.5	***	64				
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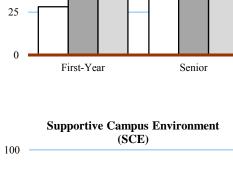
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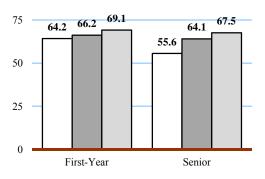


Active and Collaborative Learning (ACL)





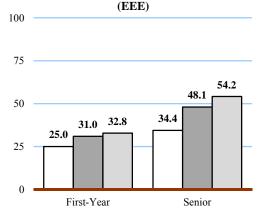




Legend

□ Top 50%□ Top 10%

This display compares your students with those attending schools that scored in the top 50% and top 10% of all NSSE 2009 institutions on a particular benchmark.



Enriching Educational Experiences

^a Weighted by gender, enrollment status, and institutional size.



^c Mean difference divided by the pooled standard deviation.



First-Year Students

NSSE 2009 Benchmark Comparisons Detailed Statistics and Effect Sizes ^a CUNY New York City College of Technology

Reference Group Mean Statistics Distribution Statistics Comparison Statistics Percentiles d Deg. of Effect Mean SD b SEM ^c Sig. f Mean 5th 25th 50th 75th 95th Freedom e Diff. size ^g LEVEL OF ACADEMIC CHALLENGE (LAC) NYCCT (N = 24)74 51.7 12.1 2.5 38 45 50 58 CSWC 53.6 13.6 .1 31 44 54 63 75 12,038 -1.9 .505 -.14 CUNY System 54.0 1,915 -2.2 .459 14.6 .3 30 44 54 64 77 -.15 **NSSE 2009** 53.7 32 44 71,444 -1.9 .481 13.5 .1 54 63 75 -.14 Top 50% 56.8 13.0 .1 35 48 57 66 78 27,235 -5.1 .057 -.39 37 59 -7.1 Top 10% 58.9 12.9 .2 50 68 79 7,402 .007 -.55 ACTIVE AND COLLABORATIVE LEARNING (ACL) 19 NYCCT (N = 26)40.1 14.4 2.8 29 38 48 67 CSWC .494 42.4 19 42 13,141 16.7 33 52 71 -2.2 -.13 .1 CUNY System 40.3 17.7 .4 14 29 38 52 71 2,160 -.1 .976 -.01 **NSSE 2009** 43.2 16.6 .1 19 33 43 52 71 77,649 -3.0 .355 -.18 Top 50% 47.8 .1 24 38 48 57 76 23,115 -7.6 .019 16.6 -.46 Top 10% 51.7 .2 24 38 52 62 81 4,914 -11.6 .001 17.5 -.66 STUDENT-FACULTY INTERACTION (SFI) NYCCT (N = 25)28.2 17.0 17 28 39 3.4 6 50 CSWC 34.3 18.6 .2 11 22 33 44 72 12,166 -6.1 .106 -.33 CUNY System 32.2 19.3 .4 6 17 28 44 72 1,951 -4.0 .303 -.21 **NSSE 2009** 34.7 18.4 .1 11 22 33 44 72 72.187 -6.4 .082 -.35 Top 50% 39.1 19.2 .1 11 27 39 50 78 21,216 -10.9 .005 -.57 17 39 Top 10% 43.7 20.6 .4 28 56 83 3,483 -15.5 .000 -.75 **ENRICHING EDUCATIONAL EXPERIENCES (EEE)** NYCCT (N = 24)25.0 11.6 8 17 27 31 45 2.4 CSWC 27.7 13.8 .1 8 18 26 36 51 11,721 -2.7 .337 -.20 CUNY System 25.8 14.2 .3 6 17 24 33 51 1,836 -.7 .799 -.05 **NSSE 2009** 8 69,591 28.0 13.4 .1 18 27 -3.0 .275 -.22 36 51 Top 50% 31.0 13.4 .1 11 22 30 39 54 30,814 -6.0 .030 -.45 Top 10% 13.7 12 23 32 41 9,711 -7.8 .006 -.57 32.8 .1 56 SUPPORTIVE CAMPUS ENVIRONMENT (SCE) NYCCT (N = 23)17.8 44 50 58 92 64 2 3.7 78 CSWC 60.2 18.9 .2 28 47 61 72 92 11,438 4.0 .306 .21 CUNY System 56 56.6 20.1 .5 22 42 70 92 1,777 7.7 .069 .38 **NSSE 2009** 61.6 18.8 .1 31 50 61 75 92 67,902 2.7 .499 .14 Top 50% 66.2 18.1 .1 36 56 67 78 94 21,600 -2.0 .597 -.11 4,909 Top 10% 69.1 18.3 .3 58 69 83 97 -4.9 .197 36 -.27

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b Standard deviation is a measure of the average amount the individual scores deviate from the mean of all the scores in the distribution.

^c The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^d A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

^e Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and the equal variance assumption.

^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 calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.



National Survey of Student Engagement

Seniors

NSSE 2009 Benchmark Comparisons Detailed Statistics and Effect Sizes ^a CUNY New York City College of Technology

Image: Problem interms in the strategy interms in	Schiors											Reference	e Group	
Man SD ^h SD ^h SDh 78th 98th Preedont [*] Diff Sig ^T size ⁴ EVEL OF ACADEMIC CIALLENCE (L-U- NYCCT (N=32) 58.4 14.5 1.6 30 48 63 68 77 CSWC 56.7 14.4 .1 32 47 57 67 80 1.989 2.1 2.17 .14 CSWC 56.7 14.4 .1 30 34 857 67 80 1.4783 1.3 .32 .09 Top 50% 60.1 13.7 .1 40 54 63 72 84 .9506 4.4 .003 33 ACTIVE AND COLLABORATIVE LEARNER V 1.0 1.4 1.0 33 43 57 76 2.145 7.4 .000 .44 NSSE 2009 51.7 16.9 .1 2.2 33 43 57 76 82.4 .001 .2.165 CUNY System </th <th></th> <th></th> <th colspan="3">Mean Statistics</th> <th colspan="4"></th> <th colspan="4">· · ·</th>			Mean Statistics							· · ·				
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NYCCT (N = R2) SA 4 1.6 .0 30 48 63 67 70 80 26.402 1.7 2.78 1.2 CUNY System 56.7 1.44 .1 32 47 57 67 80 1.483 1.3 32 .00 NSEE 2009 .70 1.43 .0 33 46 56 67 80 1.443 1.3 3.2 .00 Top 50% .60.1 1.3.7 .1 37 51 61 70 82 45.5 .1.3 .1.3 .1.4 .0 82 67 81 ACTVE AND COLLASCAT (N = 85) 50.3 1.7 .1 24 38 42 62 81 27.67 2.7 .15.8 .15 CUNY System 45.5 1.70 .4 1.9 33 48 57 76 8.43 .1.3 .1.6 CUNY System 45.5 1.0 1.4 .0			Mean	3D	SEIVI	Sth	25th	Soth	/Sth	95th	Freedom	DIII.	Sig.	size °
CSWC 56.7 14.4 .1 32 47 57 67 80 26,402 1.7 278 .1 CUNY System 56.3 15.2 .3 .31 46 56 67 80 19,89 2.1 2.17 .14 NSE2 2009 .57.0 14.3 .0 .33 48 57 67 80 144,783 1.3 .392 .00 Top 50% .61.1 1.7 1.7 1.6 7.0 144 .0 .33 48 57 67 80 144,783 1.3 .39 0.0 .33 ACTIVE AND COLLABORATIVE LEARING .1 .17 .0 24 38 48 67 81 .15 .15 .16	LEVEL OF ACADEMIC CH	ALLENGE (L	AC)											
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NSSE 2009 57.0 14.3 0.0 33 48 57 67 80 144,783 1.3 .92 .09 Top 50% 60.1 1.3.7 1.1 37 51 61 70 82 45,100 -1.7 2.58 13 Top 10% 60.2 8.3 1.0 40 53 72 81 .03 .33 .15 .1 24 38 43 57 76 2.1 .15 .15 CUNY System 45.5 17.0 4 19 33 43 57 76 2.1 .19 .30 .11 Top 50% 51.0 1.7 0 24 38 57 76 81 152.017 1.9 .303 .11 Top 50% 51.0 17.1 0.1 24 35 76 78 88 6.1 .001 .303 .11 Top 50% 40.7 2.8 1.1 12	CSWC		56.7	14.4	.1	32	47	57	67	80	26,402	1.7	.278	.12
Top 50% 60.1 1.3.7 .1. 37 51 61 70 82 45,190 -1.7 .2.58 -1.3 ACTIVE AND COLLABORATIVE LEARNEX 3.3 1.4 0.5 53.0 1.8.4 2.0 29 39 52 67 81 NYCCT (N = 85) 53.0 1.8.4 2.0 29 39 52 67 81 CUNY System 55.3 1.7.5 1.7 2.4 38 48 62 81 27,767 2.7 .15.8 .15 CUNY System 55.7 1.0 1.4 0 2.4 38 57 67 84 40.933 -2.8 .130 .16 Top 10% 55.7 16.9 1.1 2.2 33 56 78 8.9 5.3 .047 .25 STUDENT-FACULTY INTERACTION (SUT 9.0 1.1 11 28 39 56 83 1.45.80 .5 .81 .002	CUNY System		56.3	15.2	.3	31	46	56	67	80	1,989	2.1	.217	.14
To 100 100 54 100 72 84 9,506 4.4 .0.03 3.3 ACTIVE AND COLLABORATIVE LEARING UNCT 100 18.4 2.0 29 39 52 67 81 NYCCT (N = 85) 53.0 1.4 2.0 29 39 52 67 81 CSWC 50.3 17.5 1.1 24 38 48 62 81 27.7.67 2.7 .158 .15 CUNY System 45.5 17.0 4 19 33 43 57 62 81 22.7.76 2.7 .158 .15 CUNY System 45.5 17.0 4 172 20 33 48 57 71 89 8.763 6.1 .001 30 CUNY System 57.7 16.9 .1 12 23 56 78 89 5.3 .047 .89 .30 .41 .001 .30 CUNY System 54.0 20.7 1.1 12 23 56	NSSE 2009		57.0	14.3	.0	33	48	57	67	80	144,783	1.3	.392	.09
ACTIVE AND COLLABORATIVE LEARNING (JUL) NYCCT (N = 85) 53.0 18.4 2.0 29 39 52 67 81 CSWC 50.3 17.5 1.1 24 38 48 62 81 27.767 2.7 1.58 1.5 CUNY System 45.5 17.0 4 19 33 43 57 76 2.145 7.4 .000 .44 NSSE 2009 51.0 17.4 .0 24 38 52 62 81 152.017 1.9 .303 .11 Top 50% 55.7 16.9 .1 29 43 57 71 86 80.953 .2.8 .100 16 TOID 107 91 17.2 2 33 43 56 78 87 71 88 86.3 .01 .01 .22 34 56 78 CSWC 10.7 20.8 .1 11 28 39 56 81 145.80 .5 .84 .	Top 50%		60.1	13.7	.1	37	51	61	70	82	45,190	-1.7	.258	13
NYCCT (N = 85) 53.0 18.4 2.0 29 39 52 67 81 CSWC 50.3 17.5 .1 24 38 48 62 81 27,767 2.7 .158 .15 CUNY System 45.5 17.0 .4 19 33 43 57 76 2,145 7.4 .000 .41 NSED 2009 51.0 17.2 .2 233 38 52 62 81 152,017 1.9 .303 .11 Top 50% .57.7 16.5 .1 22 33 48 57 71 89 8,763 .61 .001 .363 STUEENT-FACULY INTERCTON (ST 2.2 .2 .33 48 57 71 89 8,763 .61 .001 .363 CSWC (N = 84) 42.4 23.5 2.6 11 12 23 50 78 89 .53 .047 .25 CSWC (N = 72) 2.07 .5 11 12 39 56 </td <td>Top 10%</td> <td></td> <td>62.8</td> <td>13.3</td> <td>.1</td> <td>40</td> <td>54</td> <td>63</td> <td>72</td> <td>84</td> <td>9,506</td> <td>-4.4</td> <td>.003</td> <td>33</td>	Top 10%		62.8	13.3	.1	40	54	63	72	84	9,506	-4.4	.003	33
CSWC 50.3 17.5 .1 24 38 48 62 81 27,767 2.7 .158 .15 CUNY System 45.5 17.0 .4 19 33 43 57 76 2,145 7.4 .000 .44 NSSE 2009 51.0 17.4 .0 24 38 52 62 81 152,017 1.9 .303 .11 Top 50% 55.7 16.9 .1 29 43 57 67 86 40,953 -2.8 .130 16 Top 10% 59.1 17.2 2 33 48 57 71 89 8,76 6.1 .001 36 STUDENT-FACULTY INTERACTION (SFI CUNY System 37.2 20.7 5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 42.0 20.9 .1 11 28 39 56 83 145,860 .5 .841 .02 Top 50% 48.8 <td< td=""><td>ACTIVE AND COLLABORA</td><td>TIVE LEAR</td><td>NING (AG</td><td>CL)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	ACTIVE AND COLLABORA	TIVE LEAR	NING (AG	CL)										
CUNY System 45.5 17.0 .4 19 33 43 57 76 2,145 7.4 .000 .44 NSSE 2009 51.0 17.4 .0 24 38 52 62 81 152,017 19 .303 .11 Top 50% 55.7 16.9 .1 29 43 57 67 86 40,953 -2.8 .130 16 Top 50% 55.7 16.9 .1 29 43 57 71 89 8,763 -6.1 .001 -36 STUDENT-FACUTY INTER-CTION (SFI NYCCT (N = 84) 42.4 23.5 2.6 11 22 44 56 78 CUNY System 37.2 20.7 .5 11 28 39 56 83 145,860 .5 .841 .02 NSSE 2009 42.0 20.9 .1 11 28 39 56 83 145,860 .5 .841 .02 Top 50% 48.8 21.3 .1 17	NYCCT	(N = 85)	53.0	18.4	2.0	29	39	52	67	81				
NSSE 2009 51.0 17.4 .0 24 38 52 62 81 152.017 1.9 .303 .11 Top 50% 55.7 16.9 .1 29 43 57 67 86 40.953 -2.8 .130 16 Top 10% 59.1 17.2 .2 33 48 57 71 89 8.763 -6.1 .001 363 STUDENT-FACULTY INTERACTION (SFI 2 2.6 11 22 44 56 78 CSWC 40.7 20.8 .1 11 28 39 56 80 84 1.8 .493 .08 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 48.8 21.3 .1 17 33 44 18 .44 .001 .5 .841 .00 .5 .841 .00 .5 .841 .00 .5 .841 .00 .5 .5 .6	CSWC		50.3	17.5	.1	24	38	48	62	81	27,767	2.7	.158	.15
Top 50% Top 10% 55.7 16.9 .1 29 43 57 67 86 40.953 -2.8 .130 16 Top 10% 59.1 17.2 .2 33 48 57 71 89 8,763 -6.1 .001 36 STUDENT-FACULTY INTERACTION (SFI NYCCT (N=84) 42.4 23.5 2.6 11 22 44 56 78 CSWC 40.7 20.8 .1 11 28 39 56 80 84 1.8 .493 .08 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 48.8 21.3 .1 17 33 44 61 9 32,738 .6.4 .006 .307 Top 10% 54.2 2.0 .3 22 33 47 68 .10.1 .5 .21.1 .20	CUNY System		45.5	17.0	.4	19	33	43	57	76	2,145	7.4	.000	.44
To 10% 59.1 17.2 .2 33 48 57 71 89 8,763 -6.1 .001 36 STUDENT-FACULTY INTERACTION (SFT) NYCCT (N=84) 42.4 23.5 2.6 11 22 44 56 78 CSWC 40.7 20.8 .1 11 28 39 56 80 84 1.8 .493 .08 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 42.0 20.9 .1 11 28 39 56 83 145,860 .5 .841 .02 Top 50% 48.8 21.3 .1 17 33 44 61 89 32,738 6.4 .006 .331 Top 50% 48.8 21.3 .1 17 23 56 72 94 537 71.7 .000 .53 CUNYCCT (N=80) 34.4 17.8 2.0 11 <td>NSSE 2009</td> <td></td> <td>51.0</td> <td>17.4</td> <td>.0</td> <td>24</td> <td>38</td> <td>52</td> <td>62</td> <td>81</td> <td>152,017</td> <td>1.9</td> <td>.303</td> <td>.11</td>	NSSE 2009		51.0	17.4	.0	24	38	52	62	81	152,017	1.9	.303	.11
STUDENT-FACULTY INTERACTION (SFL) NYCCT (N = 84) 42.4 23.5 2.6 11 22 44 56 78 CSWC 40.7 20.8 .1 11 28 39 56 80 84 1.8 .493 .08 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .04 .25 NSSE 2009 42.0 2.0 .1 11 28 39 56 83 145,860 .5 .841 .02 Dop 50% 48.8 21.3 .1 17 33 44 61 89 32,73 -6.4 .006 -330 Drop 10% 54.2 22.0 .3 22 39 56 72 94 5377 -11.7 .000 -533 ENRICHING EDUCATIONAL EXPERIEVE 200 13 11 12 64 63 72 25,835 -5.7 .005 31 CSWC (N = 80) 34.4 17.8 .1 <th< td=""><td>Top 50%</td><td></td><td>55.7</td><td>16.9</td><td>.1</td><td>29</td><td>43</td><td>57</td><td>67</td><td>86</td><td>40,953</td><td>-2.8</td><td>.130</td><td>16</td></th<>	Top 50%		55.7	16.9	.1	29	43	57	67	86	40,953	-2.8	.130	16
NYCCT (N = 84) 42.4 23.5 2.6 11 22 44 56 78 CSWC 40.7 20.8 .1 11 28 39 56 80 84 1.8 .493 .08 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 44.8 21.3 .1 17 33 44 61 89 32,738 .64 .006 30 Top 50% 48.8 21.3 .1 17 33 44 61 89 32,737 .6.4 .006 30 Top 10% 54.2 22.0 .3 22 39 56 72 94 5,377 .11.7 .000 .53 ENRICHING EDUCATIONAL EXPERIENCE E NYCCT (N = 80) 34.4 17.8 2.0 11 19 31 48 67 CUNY System 35.6 18.0 .4 8 22 33 47 68 1	Top 10%		59.1	17.2	.2	33	48	57	71	89	8,763	-6.1	.001	36
CSWC 40,7 20.8 .1 11 28 39 56 80 84 1.8 .493 .047 CUNY System 37.2 20.7 .5 11 22 33 50 78 89 5.3 .047 .25 NSSE 2009 42.0 20.9 .1 11 28 39 56 83 145,860 .5 .841 .02 Top 50% 48.8 21.3 .1 17 33 44 61 89 32,738 -6.4 .006 30 Top 10% 54.2 22.0 .3 22 39 56 72 94 5,377 .11.7 .000 53 ENRICHING EDUCATIONAL EXPERIENCE 20.0 .1 19 31 48 67	STUDENT-FACULTY INTE	RACTION (SI	FI)											
CUNY System37.220.7.5.1122335078895.3.047.25NSSE 200942.020.9.1.1128395683.145,860.5.841.02Top 50%48.821.3.1.173344618932,738.6.4.00630Top 10%54.22.0.3.22395672945,377-11.7.00053ENRICHING EDUCATION-L EXPERIENCENYCCT(N=80)34.417.82.0.1119314867CSWC40.118.3.1.112639537225,835-5.7.00531CUNY System35.618.0.48223347681.908-1.1.58206NSSE 200940.818.2.01328405472142,011.64.00235Top 50%48.117.8.1183648617744,595-13.6.00077Top 10%54.217.1.22543556681.9347.19.7.000115SUPPORTIVE CAMPUS ENVENTENT.1.2.25.43.55.6.81.9347.19.7.000115SUPORTIVE CAMPUS ENVENTENT.5.1.2.2.39.58.67 <td>NYCCT</td> <td>(N = 84)</td> <td>42.4</td> <td>23.5</td> <td>2.6</td> <td>11</td> <td>22</td> <td>44</td> <td>56</td> <td>78</td> <td></td> <td></td> <td></td> <td></td>	NYCCT	(N = 84)	42.4	23.5	2.6	11	22	44	56	78				
NSSE 2009 42.0 20.9 .1 11 28 39 56 83 145,860 .5 .841 .02 Top 50% 48.8 21.3 .1 17 33 44 61 89 32,738 -6.4 .006 30 Top 10% 54.2 22.0 .3 22 39 56 72 94 5,377 -11.7 .000 53 ENRICHING EDUCATIONAL EXPERIENCES (EEE) NYCCT (N = 80) 34.4 17.8 2.0 11 19 31 48 67 CSWC 40.1 18.3 .1 11 26 39 53 72 25,835 -5.7 .005 31 CUNY System 35.6 18.0 .4 8 22 33 47 68 1.908 -1.1 .582 06 NSE 2009 40.8 18.2 .0 13 28 40 54 72 142,011 6.4 .002 35 Top 50% 48.1 17.8 .1 18 36 <t< td=""><td>CSWC</td><td></td><td>40.7</td><td>20.8</td><td>.1</td><td>11</td><td>28</td><td>39</td><td>56</td><td>80</td><td>84</td><td>1.8</td><td>.493</td><td>.08</td></t<>	CSWC		40.7	20.8	.1	11	28	39	56	80	84	1.8	.493	.08
Top 50% Top 10%48.821.3.1173344618932,738-6.4.00630BNYCCT Top 10%54.222.0.322395672945,377-11.7.00053ENRICHING EDUCATIONAL EXPERIENCENYCCT (N = 80)34.417.82.01119314867CSWC40.118.3.1112639537225,835-5.7.00531CUNY System35.618.0.48223347681,908-1.1.58206NSSE 200940.818.2.01328405472142,011-6.4.00235Top 50%48.117.8.1183648617744,595-13.6.00077Top 10%54.217.1.225435566819,347-19.7.000115SUPPORTIVE CAMPUS ENTENT55.621.02.4223958678953.5.6.77703CSWC56.319.5.1254256698925,325.6.77703CUNY System52.320.6.5193950678918633.4.160.16NYCCT(N = 78)58.219.3.12544 <th< td=""><td>CUNY System</td><td></td><td>37.2</td><td>20.7</td><td>.5</td><td>11</td><td>22</td><td>33</td><td>50</td><td>78</td><td>89</td><td>5.3</td><td>.047</td><td>.25</td></th<>	CUNY System		37.2	20.7	.5	11	22	33	50	78	89	5.3	.047	.25
Top 10%54.222.0.322395672945,377-11.7.00053ENRICHING EDUCATIONAL EXPERIENCES (EEENYCCT(N = 80)34.417.82.01119314867CSWC40.118.3.1112639537225,8355.7.00531CUNY System35.618.0.48223347681,908-1.1.58206NSSE 200940.818.2.01328405472142,011-6.4.00235Top 50%48.117.8.1183648617744,595-13.6.00077Top 10%55.621.02.422395866819,347-19.7.000-11.5SUPPORTIVE CAMPUS ENVIRONMENT (SCE)NYCCT(N = 78)55.621.02.4223958678925,3256.77703CSWC56.319.5.1254256698925,3256.77703CUNY System52.320.6.519395067891,8633.4.160.16NSEE 200958.219.3.12544587292139,4952.6.236.13CSWC56.819.3.125<	NSSE 2009		42.0	20.9	.1	11	28	39	56	83	145,860	.5	.841	.02
PRICHING EDUCATIONAL EXPERIENCES (EEE) NYCCT (N = 80) 34.4 17.8 2.0 11 19 31 48 67 CSWC 40.1 18.3 .1 11 26 39 53 72 25,835 -5.7 .005 31 CUNY System 35.6 18.0 .4 8 22 33 47 68 1,908 -1.1 .582 06 NSEE 2009 40.8 18.2 .0 13 28 40 54 72 142,011 -6.4 .002 35 Top 50% 48.1 17.8 .1 18 36 48 61 77 44,595 -13.6 .000 77 Top 10% 55.6 21.0 2.4 22 39 58 67 89 .1.1 .100 .1.1 .1.1 .1.1 .25 42 56 69 89 25,325 .6 .777 03 SUPPORTIVE CAMPUS ENVENDINEW .1 .25 42 56 69 89 .25,325 <td>Top 50%</td> <td></td> <td>48.8</td> <td>21.3</td> <td>.1</td> <td>17</td> <td>33</td> <td>44</td> <td>61</td> <td>89</td> <td>32,738</td> <td>-6.4</td> <td>.006</td> <td>30</td>	Top 50%		48.8	21.3	.1	17	33	44	61	89	32,738	-6.4	.006	30
NYCCT (N = 80) 34.4 17.8 2.0 11 19 31 48 67 CSWC 40.1 18.3 .1 11 26 39 53 72 25,835 -5.7 .005 31 CUNY System 35.6 18.0 .4 8 22 33 47 68 1,908 -1.1 .582 06 NSSE 2009 40.8 18.2 .0 13 28 40 54 72 142,011 -6.4 .002 35 Top 50% 48.1 17.8 .1 18 36 48 61 77 44,595 -13.6 .000 77 Top 10% 54.2 17.1 .2 25 43 55 66 81 9,347 -19.7 .000 -1.15 SUPPORTIVE CAMPUS ENVIRONMENT (SCE) NYCCT (N = 78) 55.6 21.0 2.4 22 39 58 67 89 CSWC 56.3 19.5 .1 25 42 56 69 89 25,325	Top 10%		54.2	22.0	.3	22	39	56	72	94	5,377	-11.7	.000	53
CSWC 40.1 18.3 .1 11 26 39 53 72 25,835 -5.7 .005 31 CUNY System 35.6 18.0 .4 8 22 33 47 68 1,908 -1.1 .582 06 NSSE 2009 40.8 18.2 .0 13 28 40 54 72 142,011 -6.4 .002 35 Top 50% 48.1 17.8 .1 18 36 48 61 77 44,595 -13.6 .000 77 Top 10% 54.2 17.1 .2 25 43 55 66 81 9,347 -19.7 .000 -1.15 SUPPORTIVE CAMPUS ENVIRONMENT (N=78) 55.6 21.0 2.4 22 39 58 67 89 16 .777 03 CSWC 56.3 19.5 .1 25 42 56 69 89 25,325 6 .777 03 CUNY System 52.3 20.6 .5 19	ENRICHING EDUCATIONA	L EXPERIEN	NCES (EE	EE)										
CUNY System35.618.0.48223347681,908-1.1.58206NSSE 200940.818.2.01328405472142,011-6.4.00235Top 50%48.117.8.1183648617744,595-13.6.00077Top 10%54.217.1.225435566819,347-19.7.000-1.15SUPPORTIVE CAMPUS ENVIRONMENT (SCE)NYCCT(N = 78)55.621.02.4223958678955.3256.77703CSWC56.319.5.1254256698925,3256.77703CUNY System52.320.6.519395067891,8633.4.160.16NSSE 200958.219.3.12544587292139,495-2.6.23613Top 50%64.118.8.1335364789437,738-8.4.00045	NYCCT	(N = 80)	34.4	17.8	2.0	11	19	31	48	67				
NSSE 2009 40.8 18.2 .0 13 28 40 54 72 142,011 -6.4 .002 35 Top 50% 48.1 17.8 .1 18 36 48 61 77 44,595 -13.6 .000 77 Top 10% 54.2 17.1 .2 25 43 55 66 81 9,347 -19.7 .000 -1.15 SUPPORTIVE CAMPUS ENVIRONMENT (SCE) NYCCT (N = 78) 55.6 21.0 2.4 22 39 58 67 89 CSWC 56.3 19.5 .1 25 42 56 69 89 25,325 6 .777 03 CUNY System 52.3 20.6 .5 19 39 50 67 89 1,863 3.4 .160 .16 NSSE 2009 58.2 19.3 .1 25 44 58 72 92 139,495 -2.6 .236 13 Top 50% 64.1 18.8 .1 33 53 <	CSWC		40.1	18.3	.1	11	26	39	53	72	25,835	-5.7	.005	31
Top 50% Top 10%48.117.8.1183648617744,595-13.6.00077SUPPORTIVE CAMPUS ENVIRONMENT (N=78)55.621.02.42239586789CSWC56.319.5.1254256698925,3256.77703CUNY System52.320.6.5193950678918633.4.160.16NSSE 200958.219.3.12544587292139,495-2.6.23613Top 50%64.118.8.1335364789437,738-8.4.00045	CUNY System		35.6	18.0	.4	8	22	33	47	68	1,908	-1.1	.582	06
Top 10%54.217.1.225435566819,347-19.7.000-1.15SUPPORTIVE CAMPUS ENVIRONMENT (SCE)NYCCT(N = 78)55.621.02.42239586789CSWC56.319.5.1254256698925,3256.77703CUNY System52.320.6.519395067891,8633.4.160.16NSSE 200958.219.3.12544587292139,495-2.6.23613Top 50%64.118.8.1335364789437,738-8.4.00045	NSSE 2009		40.8	18.2	.0	13	28	40	54	72	142,011	-6.4	.002	35
SUPPORTIVE CAMPUS ENVIRONMENT (SCE) NYCCT (N = 78) 55.6 21.0 2.4 22 39 58 67 89 CSWC 56.3 19.5 .1 25 42 56 69 89 25,325 6 .777 03 CUNY System 52.3 20.6 .5 19 39 50 67 89 1,863 3.4 .160 .16 NSSE 2009 58.2 19.3 .1 25 44 58 72 92 139,495 -2.6 .236 13 Top 50% 64.1 18.8 .1 33 53 64 78 94 37,738 -8.4 .000 45	Top 50%		48.1	17.8	.1	18	36	48	61	77	44,595	-13.6	.000	77
NYCCT (N = 78) 55.6 21.0 2.4 22 39 58 67 89 CSWC 56.3 19.5 .1 25 42 56 69 89 25,325 6 .777 03 CUNY System 52.3 20.6 .5 19 39 50 67 89 1,863 3.4 .160 .16 NSSE 2009 58.2 19.3 .1 25 44 58 72 92 139,495 -2.6 .236 13 Top 50% 64.1 18.8 .1 33 53 64 78 94 37,738 -8.4 .000 45	Top 10%		54.2	17.1	.2	25	43	55	66	81	9,347	-19.7	.000	-1.15
CSWC56.319.5.1254256698925,3256.77703CUNY System52.320.6.519395067891,8633.4.160.16NSSE 200958.219.3.12544587292139,495-2.6.23613Top 50%64.118.8.1335364789437,738-8.4.00045	SUPPORTIVE CAMPUS EN	VIRONMENT	(SCE)											
CUNY System52.320.6.519395067891,8633.4.160.16NSSE 200958.219.3.12544587292139,495-2.6.23613Top 50%64.118.8.1335364789437,738-8.4.00045	NYCCT	(N = 78)	55.6	21.0	2.4	22	39	58	67	89				
NSSE 2009 58.2 19.3 .1 25 44 58 72 92 139,495 -2.6 .236 13 Top 50% 64.1 18.8 .1 33 53 64 78 94 37,738 -8.4 .000 45	CSWC		56.3	19.5	.1	25	42	56	69	89	25,325	6	.777	03
Top 50% 64.1 18.8 .1 33 53 64 78 94 37,738 -8.4 .000 45	CUNY System		52.3	20.6	.5	19	39	50	67	89	1,863	3.4	.160	.16
-	NSSE 2009		58.2	19.3	.1	25	44	58	72	92	139,495	-2.6	.236	13
Top 10% 67.5 18.5 .2 36 56 69 81 97 9,244 -11.9 .000 64	Top 50%		64.1	18.8	.1	33	53	64	78	94	37,738	-8.4	.000	45
	Top 10%		67.5	18.5	.2	36	56	69	81	97	9,244	-11.9	.000	64

^a All statistics are weighted by gender, enrollment status, and institutional size.

^b Standard deviation is a measure of the average amount the individual scores deviate from the mean of all the scores in the distribution.

^c The 95% confidence interval for the population mean is equal to the sample mean plus/minus 1.96 times the standard error of the mean.

^d A percentile is the point in the distribution of student-level benchmark scores at or below which a given percentage of benchmark scores fall.

^e Degrees of freedom used to compute the t-tests. Values vary for the total Ns due to weighting and the equal variance assumption.

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 calculated by subtracting the comparison group mean from the school mean, and dividing the result by the pooled standard deviation.