

College of Charleston

Multi-Year Benchmark Report August 2010



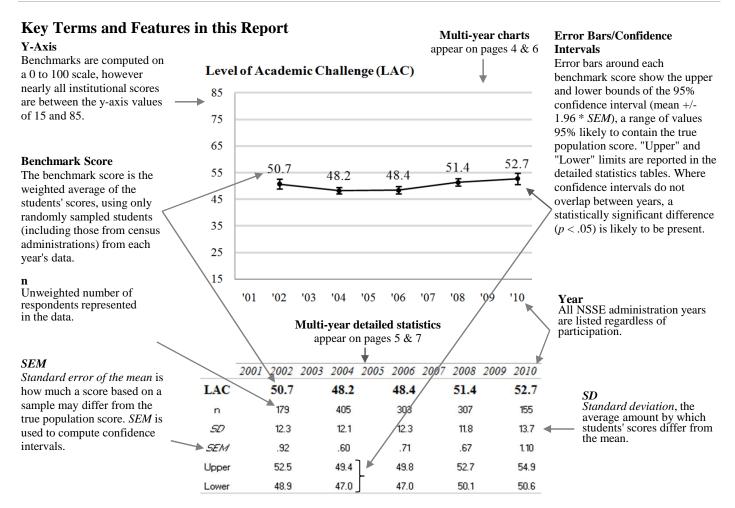
Interpreting the Multi-Year Benchmark Report

For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents recalculated and comparable benchmark scores by year so that patterns of change or stability are discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated. This report is necessary because improvements and modifications have been made over time, making multi-year analysis of NSSE data more complex. Specifically, the following issues are relevant:

- All items in question 7 were rescaled in 2004, making newer results on these items incompatible with those of 2003 and earlier. Therefore, it is not possible to compare the 2004-2010 Enriching Educational Experiences benchmark with prior years (2001-2003). Also, an alternate version of the Student-Faculty Interaction benchmark labeled 'SFC' removes the 'research with faculty' item, allowing this revised version to be compared with prior years (2001-2003).
- In 2004 NSSE changed the way benchmarks were calculated, requiring that benchmarks prior to 2004 be recalculated to more accurately compare institutional performance across years.
- Scores from NSSE 2000 are not included because several significant changes were made to the survey instrument and benchmarks beginning in 2001, making year-to-year comparisons unsuitable.
- The samples used to develop institutional estimates have been refined in recent years, making direct comparisons of reported benchmarks over the years potentially less stable.

This report has three main parts: (a) a table of *data quality indicators* (p. 3), which provides a quick reference to important statistics for each year's participation, (b) *multi-year charts*, and (c) *detailed statistics*. Key terms and features of (b) and (c) are illustrated below.

For more information and recommendations for analyzing NSSE data over time, consult the *Multi-Year Data Analysis Guide* on the NSSE Web site. nsse.iub.edu/pdf/NSSE Multi-Year Data Analysis Guide.pdf





NSSE 2010 Multi-Year Benchmark Report Data Quality Indicators

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An important early step in conducting a multi-year analysis is to review the quality of your data for both first-year and senior respondents in each year. The precision of an institution's population estimates can vary from one year to the next. The values in this table were drawn from the *Respondent Characteristics* reports from each NSSE administration.

Data Quality Indicators for Each NSSE Participation Year

		Response		Samı	pling	Number of		
Year ^a	Mode ^b	Ra	ate ^c	Err	$\operatorname{or}^{\operatorname{d}}$	Respondents ^e		
		FY	SR	FY	SR	FY	SR	
2001								
2002								
2003	Web	15%	15%	9.4%	9.5%	105	101	
2004								
2005	Web-only	26%	21%	5.0%	6.0%	333	237	
2006								
2007								
2008								
2009								
2010	Web-only	30%	32%	3.3%	3.1%	639	664	

^a All NSSE administration years since 2001 are listed regardless of participation.

b Modes include *Paper* (students receive a paper survey, with an option of completing a Web version), *Web* (students receive all correspondence by e-mail and complete the Web version), and *Web*+ (students initially invited to participate via e-mail; a subgroup of nonrespondents receive paper surveys).

^c Response rates (number of respondents divided by sample size) adjusted for ineligibility, nondeliverable mailing addresses, and students who were unavailable during the survey administration. Before 2003, response rates were not calculated separately by class so overall response rates are reported.

^d Sampling error gauges the precision of results based on a sample survey. It is an estimate of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. Data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, but any results using them should be interpreted more conservatively.

^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all randomly sampled students (including those from census administrations). From 2001 to 2005 it may also include targeted oversamples. For this reason, the counts for 2001 to 2005 may not match those given in the detailed statistics on pages 5 and 7.

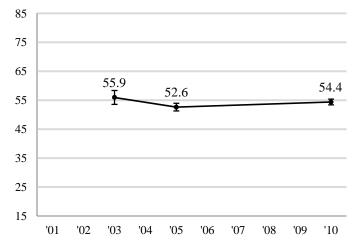


NSSE 2010 Multi-Year Benchmark Report Multi-Year Charts^a

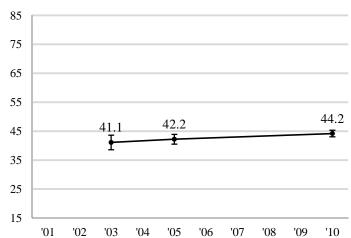
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First-Year Students

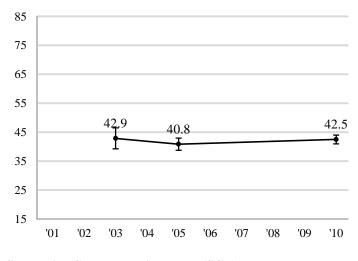
Level of Academic Challenge (LAC)



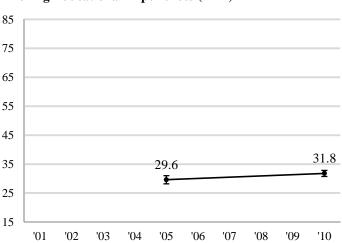
Active and Collaborative Learning (ACL)



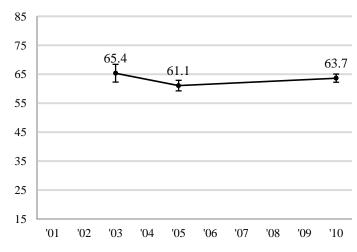
Student-Faculty Interaction (SFC)b



Enriching Educational Experiences (EEE)^c



Supportive Campus Environment (SCE)



Notes:

- a. Recalculated benchmark scores are charted for all years of participation since 2001. See page 5 for detailed statistics. For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/NSSE Multi-Year Data Analysis Guide.pdf
 - Multi-Year Data Analysis Guide.pdf
- b. For institutions with 2001-2003 data, due to a change to the 'research with faculty' item in 2004, 'SFC' (a version of 'SFI' that does not include that item) is charted on this page. Statistics for both versions are provided on page 5.
- c. 2001-2003 'EEE' scores are not provided because response options for several 'EEE' items were altered in 2004, and thus scores are incompatible with those of later years.



NSSE 2010 Multi-Year Benchmark Report Detailed Statistics^a

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First-Year Students

		That Tear Students									
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Level of	LAC			55.9		52.6					54.4
Academic	n			98		313					598
Challenge	SD			12.1		11.9					12.3
J	SEM			1.22		.67					.50
	Upper			58.3		53.9					55.4
	Lower			53.6		51.3					53.4
Active and	ACL			41.1		42.2					44.2
Collaborative	n			98		331					637
Learning	SD			12.8		15.7					14.7
	SEM			1.29		.86					.58
	Upper			43.6		43.9					45.3
	Lower			38.6		40.5					43.0
Student	SFC			42.9		40.8					42.5
Faculty	n			98		316					616
Interaction ^b	SD			18.3		19.1					19.1
interaction	SEM			1.84		1.07					.77
	Upper			46.5		43.0					44.0
	Lower			39.2		38.7					41.0
	SFI			-		34.7					36.4
	n			-		313					603
	SD			-		16.8					17.2
	SEM			-		.95					.70
	Upper			-		36.5					37.8
	Lower			-		32.8					35.1
Enriching	EEE			-		29.6					31.8
Educational	n			-		311					593
Experiences ^c	SD			-		12.5					12.9
Experiences	SEM			-		.71					.53
	Upper			-		31.0					32.8
	Lower			-		28.2					30.7
Supportive	SCE			65.4		61.1					63.7
Campus	n			98		305					579
Environment	SD			15.6		16.2					17.4
	SEM			1.57		.93					.72
	Upper			68.4		62.9					65.1
	Lower			62.3		59.3					62.2

^a n=number of respondents; *SD* =standard deviation; *SEM* =standard error of the mean; Upper/Lower=95% confidence interval limits

IPEDS:217819

^b Due to a change to the 'research with faculty' item in 2004, statistics for 'SFC' (the alternate version of student-faculty interaction that does not include that item) are reported for all years, and 'SFI' is reported beginning with 2004.

^c 2001-2003 'EEE' scores are not provided because they are not comparable with those of later years. This is because response options for several of 'EEE' items were substantially altered in 2004.

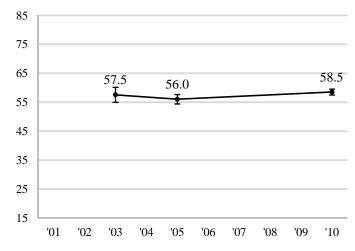


NSSE 2010 Multi-Year Benchmark Report Multi-Year Charts^a

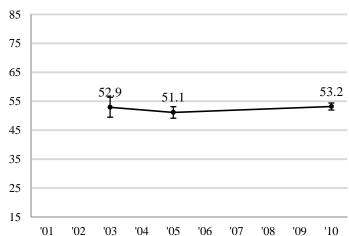
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Seniors

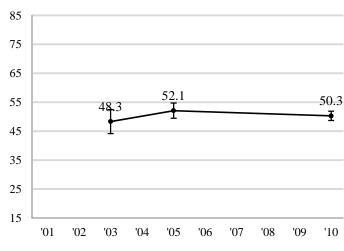
Level of Academic Challenge (LAC)



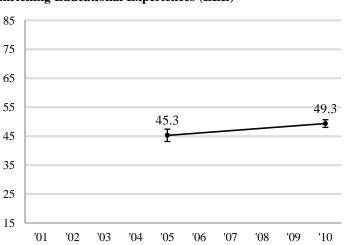
Active and Collaborative Learning (ACL)



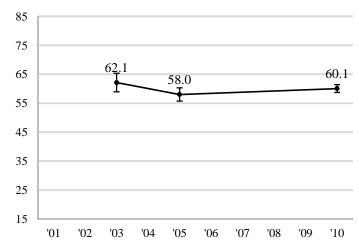
Student-Faculty Interaction (SFC)^b



Enriching Educational Experiences (EEE)^c



Supportive Campus Environment (SCE)



Notes:

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NSSE 2010 Multi-Year Benchmark Report Detailed Statistics^a

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		Seniors									
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Level of	LAC			57. 5		56.0					58.5
Academic	n			94		223					637
Challenge	SD			12.8		12.4					12.9
8	SEM			1.32		.83					.51
	Upper			60.1		57.7					59.5
	Lower			55.0		54.4					57.5
Active and	ACL			52.9		51.1					53.2
Collaborative	n			94		229					663
Learning	SD			17.2		15.3					15.7
8	SEM			1.77		1.01					.61
	Upper			56.4		53.1					54.4
	Lower			49.4		49.1					52.0
Student	SFC			48.3		52.1					50.3
Faculty	n			94		224					642
Interaction ^b	SD			20.5		20.1					20.7
interaction	SEM			2.11		1.34					.82
	Upper			52.5		54.7					51.9
	Lower			44.2		49.5					48.7
	SFI			-		47.4					46.7
	n			-		224					641
	SD			-		19.6					21.0
	SEM			-		1.31					.83
	Upper			-		50.0					48.3
	Lower			-		44.8					45.1
Enriching	EEE			-		45.3					49.3
Educational	n			-		221					629
Experiences ^c	SD			-		16.3					16.8
Experiences	SEM			-		1.10					.67
	Upper			-		47.4					50.7
	Lower			-		43.1					48.0
Supportive	SCE			62.1		58.0					60.1
Campus	n			94		217					623
Environment	SD			16.0		17.1					17.5
	SEM			1.64		1.16					.70
	Upper			65.4		60.3					61.4
	Lower			58.9		55.8					58.7

^a n=number of respondents; *SD* =standard deviation; *SEM* =standard error of the mean; Upper/Lower=95% confidence interval limits

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^b Due to a change to the 'research with faculty' item in 2004, statistics for 'SFC' (the alternate version of student-faculty interaction that does not include that item) are reported for all years, and 'SFI' is reported beginning with 2004.

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