

Montclair State University

Multi-Year Benchmark Report August 2012



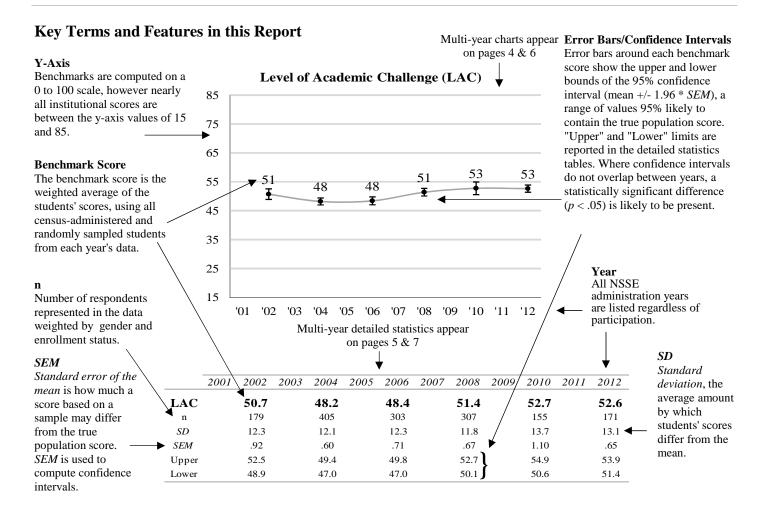
Interpreting the Multi-Year Benchmark Report

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, complicating multi-year analysis of NSSE data. Specifically, the following issues are relevant:

- Response options for question 7 (Done, Plan to do, etc.) were changed in 2004, making current results on these items incompatible with those of 2003 and earlier. Therefore, it is not possible to compare the 2004-2012 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 administration, (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/MYDAG.pdf**





NSSE 2012 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 in each year for both first-year and senior respondents. 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

	h	Respo	onse		pling	Number of Respondents ^e		
Year ^a	$\mathbf{Mode}^{\mathrm{b}}$	Ra			$\mathbf{ror}^{\mathrm{d}}$			
		FY	SR	FY	SR	FY	SR	
2001	Paper	439	%	6.3%	6.1%	205	224	
2002	Paper	429	%	7.9%	7.6%	138	149	
2003	Paper	48%	47%	7.3%	7.4%	160	158	
2004	Web+	30%	36%	7.0%	7.5%	173	159	
2005	Paper	27%	25%	10.2%	10.4%	87	86	
2006	Paper	25%	31%	9.1%	7.9%	111	146	
2007								
2008								
2009	Web-only	25%	25%	3.5%	3.6%	618	620	
2010								
2011								
2012	Web-only	17%	22%	4.0%	2.7%	500	1000	

^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-only* (students receive all correspondence by e-mail and complete the Web version), and *Web+* (students initially invited to participate via email; a subgroup of nonrespondents receive paper surveys).

^c Response rates (number of respondents divided by sample size) adjusted for ineligibility, nondeliverable 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.

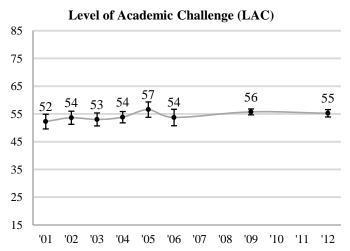
^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all census-administered and randomly sampled students. From 2001 to 2005 it may also include targeted oversamples. For this reason, the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

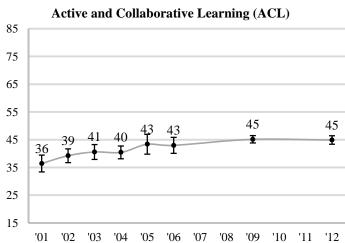


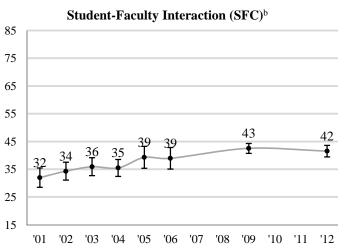
NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

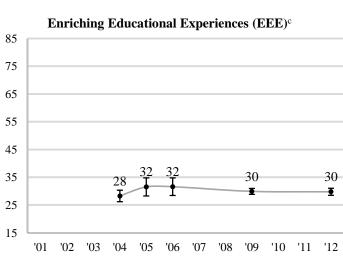
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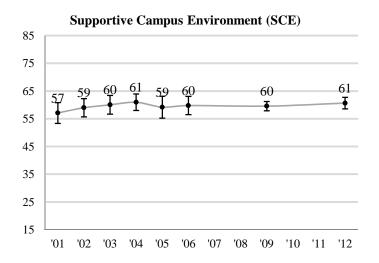
First-Year Students











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 multiyear NSSE data, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/MYDAG.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 2012 Multi-Year Benchmark Report Detailed Statistics^a

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First-Year Students

									Stude	-1105			
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	52.3	53.6	53.0	53.9	56.6	53.7			55.7			55.2
Academic	n	112	115	130	157	83	101			536			430
Challenge	SD	14.3	12.9	13.6	13.1	12.8	15.3			12.9			13.9
-	SEM	1.35	1.20	1.20	1.04	1.40	1.52			.56			.67
	Upper	54.9	56.0	55.4	55.9	59.3	56.7			56.8			56.6
	Lower	49.6	51.3	50.7	51.8	53.8	50.8			54.7			53.9
Active and	ACL	36.4	39.2	40.6	40.4	43.4	43.0			45.1			44.9
Collaborative	n	112	115	131	157	88	111			616			493
Learning	SD	16.4	13.6	15.6	14.7	17.0	15.4			16.8			17.5
-	SEM	1.55	1.27	1.37	1.17	1.81	1.47			.68			.79
	Upper	39.5	41.7	43.3	42.7	46.9	45.8			46.5			46.4
	Lower	33.4	36.7	37.9	38.1	39.8	40.1			43.8			43.4
Student-	SFC	32.0	34.3	35.9	35.5	39.3	38.9			42.5			41.5
Faculty	n	112	115	131	157	84	105			565			454
Interaction ^b	SD	18.8	17.7	18.8	19.4	18.5	20.4			21.7			22.4
interaction	SEM	1.77	1.65	1.65	1.55	2.02	2.00			.91			1.05
	Upper	35.5	37.5	39.1	38.5	43.3	42.9			44.3			43.6
	Lower	28.5	31.1	32.7	32.4	35.3	35.0			40.7			39.5
	SFI	-	-	-	30.1	34.8	33.5			37.0			35.8
	n	-	-	-	157	83	102			548			438
	SD	-	-	-	17.1	17.8	18.7			19.6			20.4
	SEM	-	-	-	1.37	1.95	1.85			.84			.97
	Upper	-	-	-	32.8	38.6	37.1			38.6			37.7
	Lower	-	-	-	27.4	30.9	29.9			35.3			33.9
Enriching	EEE	_	_	-	28.2	31.5	31.6			29.9			29.8
Educational	n	-	-	-	157	81	101			507			415
Experiences ^c	SD	-	-	-	13.3	15.0	16.2			12.5			13.2
Laperiences	SEM	-	-	-	1.07	1.66	1.62			.55			.65
	Upper	-	-	-	30.3	34.8	34.8			31.0			31.0
	Lower	-	-	-	26.2	28.3	28.4			28.8			28.5
Supportive	SCE	57.1	59.0	60.0	61.0	59.2	59.8			59.6			60.6
Campus	n	114	115	127	156	81	98			483			405
Environment	SD	20.4	17.9	19.5	18.9	18.1	16.7			18.7			21.4
	SEM	1.91	1.67	1.73	1.51	2.01	1.69			.85			1.07
	Upper	60.8	62.2	63.4	63.9	63.1	63.1			61.2			62.7
	Lower	53.3	55.7	56.6	58.0	55.2	56.5			57.9			58.5

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

^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.

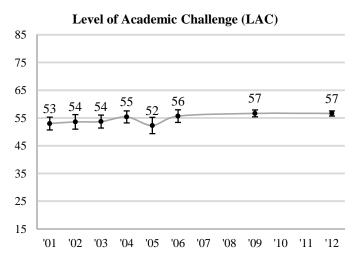


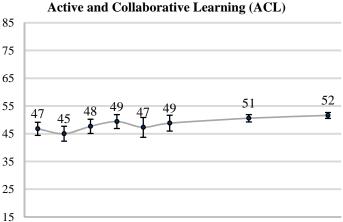
NSSE 2012 Multi-Year Benchmark Report Multi-Year Charts^a

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Seniors

'02 '03



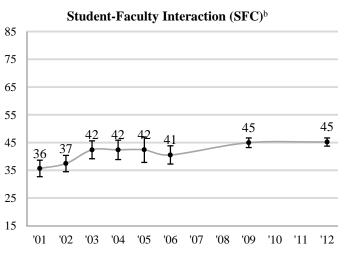


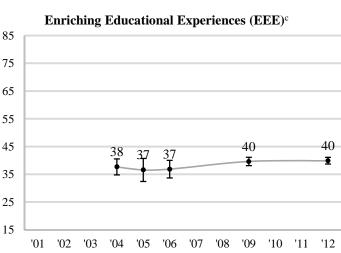
'07

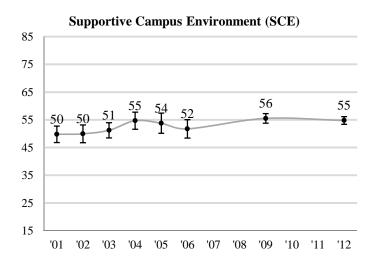
'06

'08 '09

'11 '12







Notes: a. Recalculated benchmark scores are charted for all years of participation since 2001. See page 7 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/MYDAG.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 7.
- 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 2012 Multi-Year Benchmark Report Detailed Statistics^a

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		Seniors											
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of	LAC	53.0	53.6	53.7	55.4	52.3	55.7			56.7			56.6
Academic	n	161	145	155	151	82	140			570			913
Challenge	SD	14.9	16.0	14.8	13.5	13.6	13.7			15.1			14.4
0	SEM	1.17	1.33	1.19	1.10	1.50	1.16			.63			.48
	Upper	55.3	56.2	56.0	57.5	55.2	57.9			57.9			57.6
	Lower	50.7	51.0	51.4	53.2	49.3	53.4			55.4			55.7
Active and	ACL	46.8	45.0	47.7	49.4	47.3	48.8			50.6			51.6
Collaborative	n	161	146	155	151	86	146			618			998
Learning	SD	15.3	16.4	16.3	15.8	16.9	17.7			16.8			17.5
O	SEM	1.21	1.36	1.31	1.28	1.82	1.46			.68			.55
	Upper	49.2	47.7	50.2	51.9	50.9	51.7			51.9			52.7
	Lower	44.4	42.3	45.1	46.9	43.7	45.9			49.3			50.5
Student-	SFC	35.7	37.4	42.4	42.4	42.4	40.5			44.9			45.2
Faculty	n	160	146	155	151	83	141			590			952
Interaction ^b	SD	19.2	18.1	20.5	21.9	21.3	20.0			21.5			23.0
Interaction	SEM	1.52	1.50	1.64	1.78	2.34	1.68			.88			.75
	Upper	38.6	40.4	45.6	45.9	47.0	43.8			46.7			46.7
	Lower	32.7	34.5	39.2	38.9	37.8	37.2			43.2			43.7
	SFI	-	-	-	38.4	38.3	35.9			39.8			41.0
	n	-	-	-	151	83	140			578			932
	SD	-	-	-	21.2	21.5	18.7			20.2			22.3
	SEM	-	-	-	1.72	2.36	1.58			.84			.73
	Upper	-	-	-	41.8	42.9	39.0			41.5			42.4
	Lower	-	-	-	35.1	33.7	32.8			38.2			39.6
Enriching	EEE	-	-	-	37.7	36.6	36.8			39.6			39.9
Educational	n	-	-	-	151	81	141			552			874
Experiences ^c	SD	-	-	-	18.2	19.1	19.1			18.2			18.2
p 011011000	SEM	-	-	-	1.48	2.13	1.61			.77			.61
	Upper	-	-	-	40.6	40.7	40.0			41.1			41.1
	Lower	-	-	-	34.8	32.4	33.7			38.1			38.7
Supportive	SCE	49.8	49.9	51.2	54.7	53.8	51.7			55.5			54.8
Campus	n	160	145	153	150	81	140			532			847
Environment	SD	19.3	19.8	17.3	19.2	16.7	20.0			20.1			20.7
	SEM	1.52	1.65	1.40	1.56	1.85	1.69			.87			.71
	Upper	52.8	53.2	54.0	57.7	57.4	55.0			57.2			56.2
	Lower	46.8	46.7	48.5	51.6	50.1	48.4			53.8			53.4

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

^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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