

Trevecca Nazarene University

Multi-Year Benchmark Report
August 2012

Interpreting the Multi-Year Benchmark Report

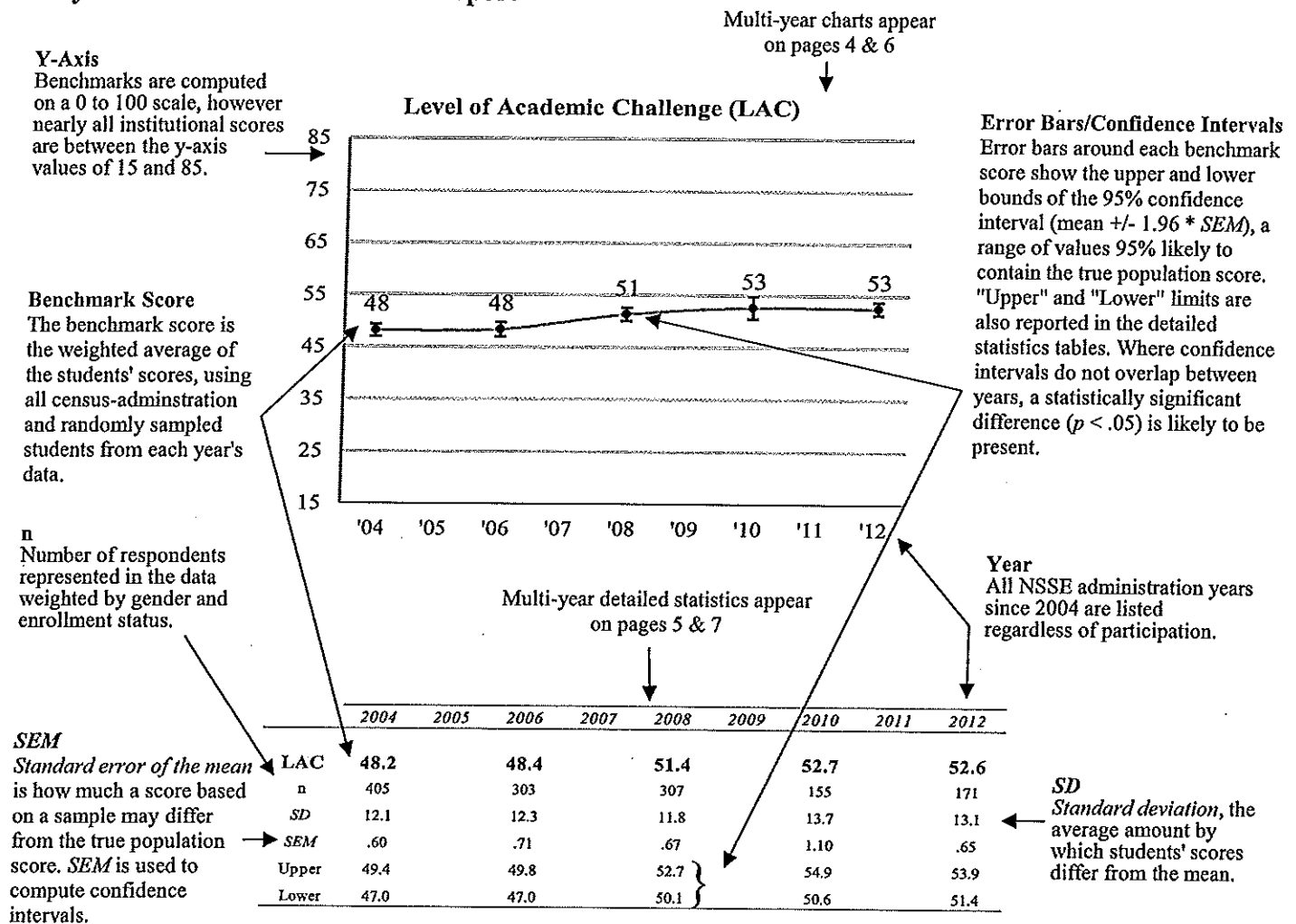
For institutions that have participated in multiple NSSE administrations, this *Multi-Year Benchmark Report* presents comparable benchmark scores by year so that patterns of change or stability are discernible. It also provides statistics such as *number of respondents*, *standard deviation*, and *standard error* so that shorthand mean comparison tests can be calculated.

Questions that might be answered with this report include, "How stable was the level of student-faculty interaction over the years?" or "Given the implementation of initiative X three years ago, did the level of active and collaborative learning increase?"

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 past and present NSSE data for trends or stability, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/MYDAG.pdf

Key Terms and Features in this Report



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

Year ^a	Mode ^b	Response Rate ^c		Sampling Error ^d		Number of Respondents ^e	
		FY	SR	FY	SR	FY	SR
2004							
2005							
2006							
2007	Web+	41%	46%	7.5%	8.1%	100	79
2008	Web+	39%	53%	8.7%	7.4%	79	82
2009	Web+	32%	51%	9.9%	7.2%	67	91
2010	Web+	32%	44%	9.4%	7.8%	74	89
2011	Web+	30%	41%	9.9%	8.4%	69	81
2012	Web+	30%	38%	9.9%	9.5%	69	66

^a All NSSE administration years since 2004 are listed regardless of participation.

^b Modes include *Paper* (students receive a paper survey and the 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).

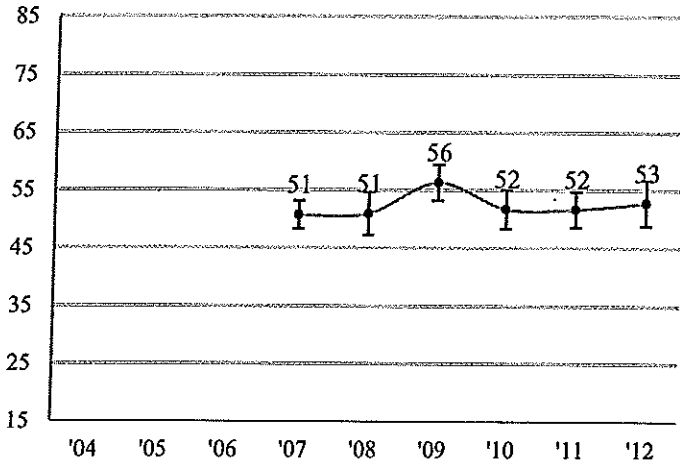
^c Response rates (number of respondents divided by sample size) adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.

^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.

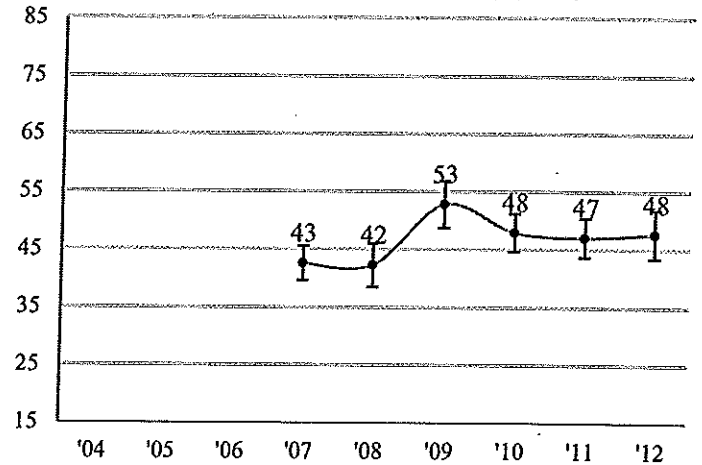
^e This is the original count used to calculate response rates and sampling errors for each administration's *Respondent Characteristics* report. This number includes all census-administered and randomly sampled students. In 2004 and 2005 it may also include targeted oversamples. For this reason, the counts for 2004 and 2005 may not match those given in the detailed statistics on pages 5 and 7.

First-Year Students

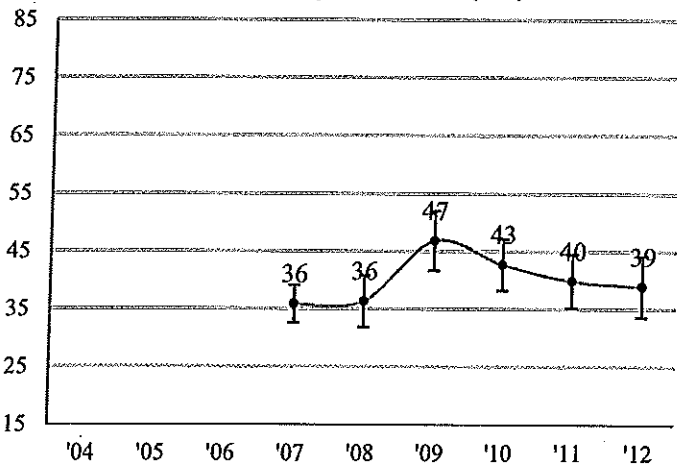
Level of Academic Challenge (LAC)



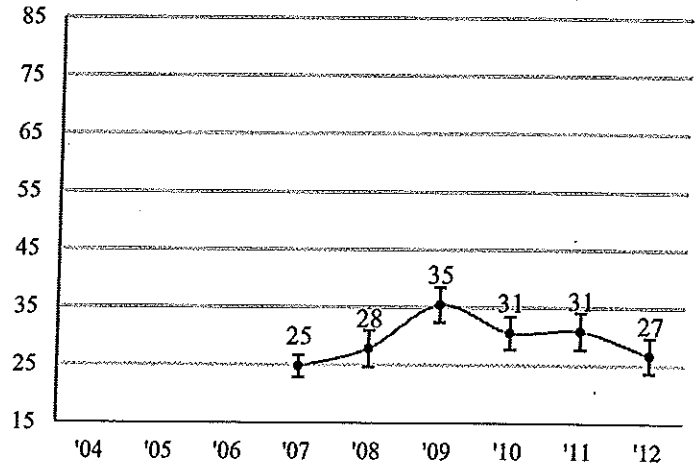
Active and Collaborative Learning (ACL)



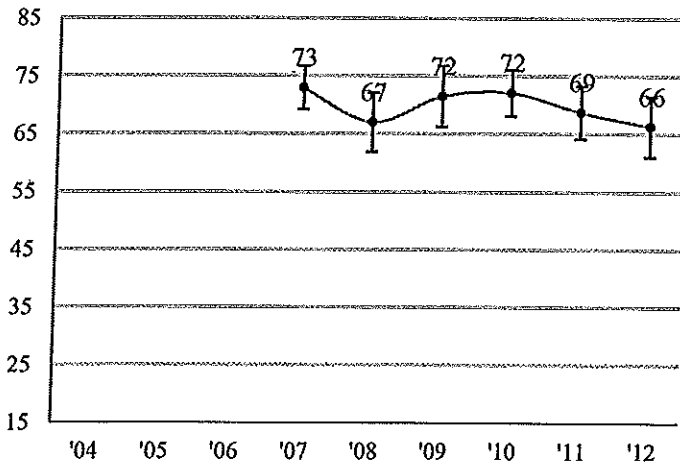
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

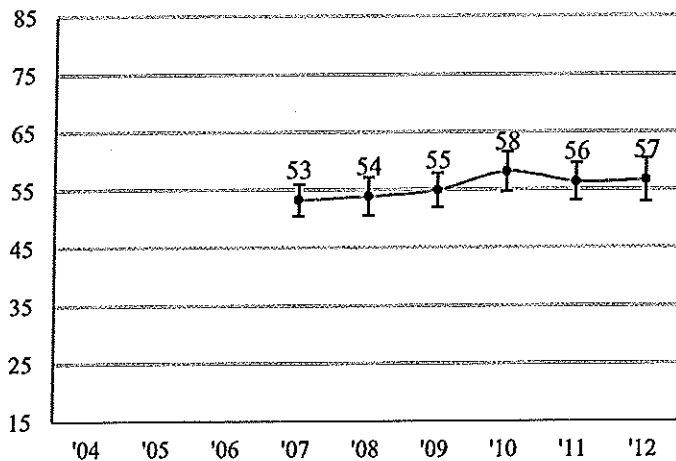
- Benchmark scores are charted for all years of participation. See page 5 for detailed statistics.
- For more information and recommendations for analyzing multi-year NSSE data, consult the *Multi-Year Data Analysis Guide*. nsse.iub.edu/pdf/MYDAG.pdf

		First-Year Students								
		2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of Academic Challenge	LAC				50.7	51.0	56.3	51.8	51.7	52.8
	n				91	68	58	67	65	60
	SD				11.9	15.6	12.0	14.2	12.5	15.6
	SEM				1.24	1.89	1.57	1.73	1.55	2.02
	Upper				53.2	54.7	59.4	55.2	54.8	56.8
	Lower				48.3	47.3	53.3	48.4	48.7	48.9
Active and Collaborative Learning	ACL				42.6	42.3	52.8	48.0	47.1	47.7
	n				100	77	67	74	69	68
	SD				15.2	16.9	16.9	14.4	14.3	17.8
	SEM				1.52	1.93	2.06	1.68	1.72	2.15
	Upper				45.6	46.1	56.9	51.3	50.5	51.9
	Lower				39.6	38.5	48.8	44.7	43.7	43.5
Student-Faculty Interaction	SFI				35.9	36.4	46.8	42.7	39.9	38.9
	n				91	69	60	68	65	61
	SD				15.9	18.8	20.3	18.8	19.0	21.2
	SEM				1.67	2.27	2.63	2.27	2.36	2.71
	Upper				39.2	40.8	52.0	47.2	44.5	44.3
	Lower				32.6	31.9	41.7	38.3	35.3	33.6
Enriching Educational Experiences	EEE				24.8	27.9	35.5	30.6	31.0	26.8
	n				89	68	56	67	61	59
	SD				9.1	13.3	11.5	11.9	12.8	11.8
	SEM				.97	1.60	1.54	1.45	1.63	1.55
	Upper				26.7	31.0	38.5	33.5	34.2	29.8
	Lower				22.9	24.7	32.5	27.8	27.8	23.7
Supportive Campus Environment	SCE				73.0	67.0	71.5	72.1	68.8	66.3
	n				88	68	54	64	60	59
	SD				18.0	21.6	19.8	16.3	18.2	20.5
	SEM				1.92	2.62	2.68	2.04	2.34	2.67
	Upper				76.7	72.2	76.8	76.1	73.3	71.5
	Lower				69.2	61.9	66.3	68.1	64.2	61.1

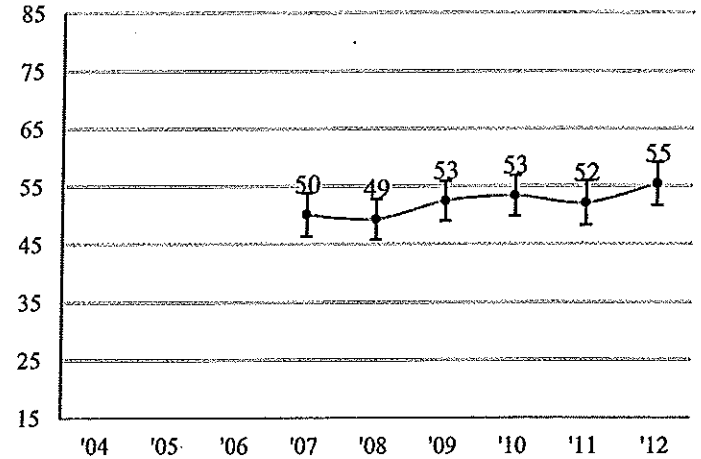
^a n=number of respondents; SD=standard deviation; SEM=standard error of the mean; Upper/Lower=95% confidence interval limits

Seniors

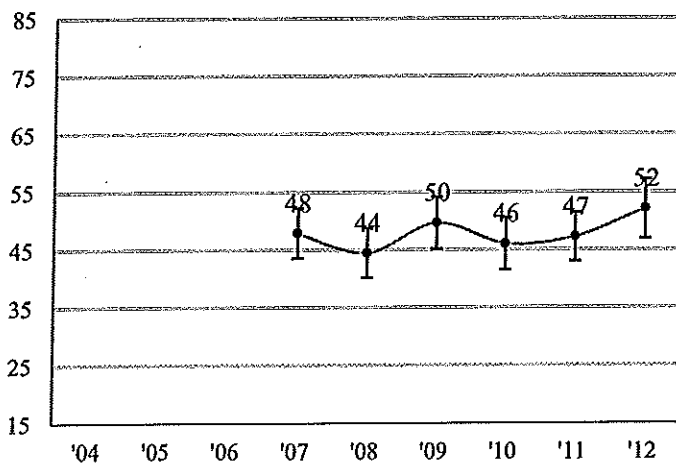
Level of Academic Challenge (LAC)



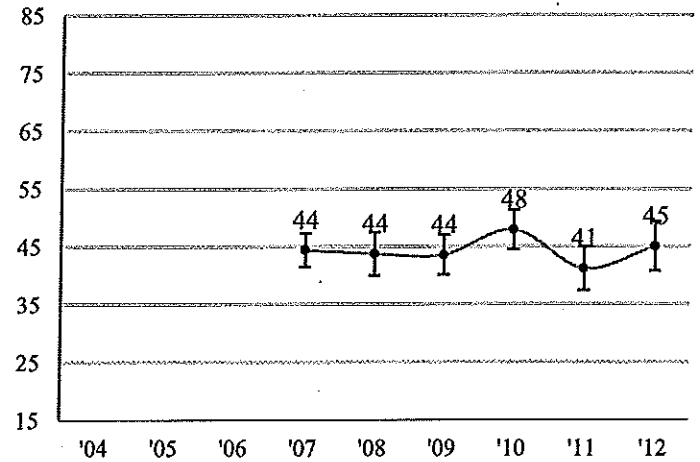
Active and Collaborative Learning (ACL)



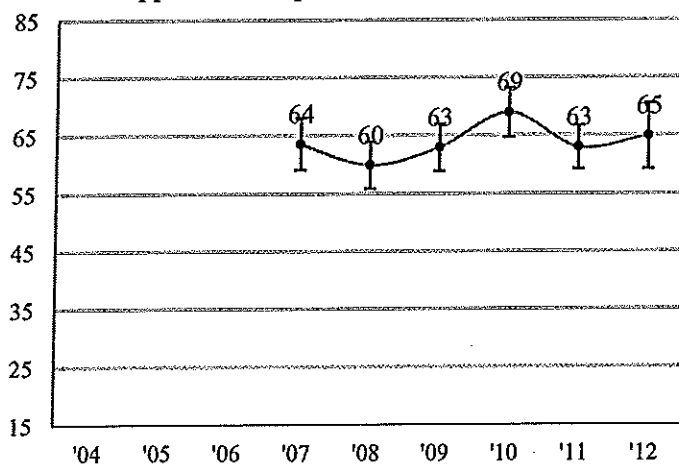
Student-Faculty Interaction (SFI)



Enriching Educational Experiences (EEE)



Supportive Campus Environment (SCE)



Notes:

- Benchmark scores are charted for all years of participation. See page 7 for detailed statistics.
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Seniors

		2004	2005	2006	2007	2008	2009	2010	2011	2012
Level of Academic Challenge	LAC				53.3	53.9	54.9	58.1	56.4	56.7
	n				76	77	83	84	78	61
	<i>SD</i>				12.0	14.8	13.8	16.1	14.5	15.1
	<i>SEM</i>				1.38	1.69	1.52	1.76	1.65	1.93
	Upper				56.0	57.2	57.9	61.6	59.6	60.5
	Lower				50.6	50.6	52.0	54.7	53.2	52.9
Active and Collaborative Learning	ACL				50.2	49.4	52.5	53.4	52.2	55.5
	n				79	82	91	88	81	66
	<i>SD</i>				17.1	16.0	16.8	16.8	17.6	15.4
	<i>SEM</i>				1.92	1.77	1.76	1.78	1.96	1.89
	Upper				53.9	52.8	56.0	56.9	56.0	59.2
	Lower				46.4	45.9	49.1	49.9	48.3	51.7
Student-Faculty Interaction	SFI				47.9	44.5	49.7	46.1	47.2	52.1
	n				76	80	84	84	78	63
	<i>SD</i>				19.2	19.4	21.0	21.1	19.0	20.8
	<i>SEM</i>				2.20	2.18	2.29	2.30	2.15	2.62
	Upper				52.2	48.7	54.2	50.6	51.4	57.2
	Lower				43.6	40.2	45.2	41.5	43.0	47.0
Enriching Educational Experiences	EEE				44.4	43.8	43.6	47.9	41.2	45.1
	n				76	76	80	82	78	61
	<i>SD</i>				12.7	16.6	15.6	15.7	17.0	17.0
	<i>SEM</i>				1.46	1.90	1.74	1.74	1.92	2.17
	Upper				47.3	47.5	47.0	51.3	45.0	49.3
	Lower				41.6	40.1	40.2	44.5	37.4	40.8
Supportive Campus Environment	SCE				63.6	59.9	62.9	69.0	63.0	64.9
	n				74	75	79	81	77	60
	<i>SD</i>				19.6	17.8	18.4	19.6	16.9	22.4
	<i>SEM</i>				2.28	2.05	2.07	2.18	1.93	2.91
	Upper				68.0	63.9	67.0	73.3	66.8	70.6
	Lower				59.1	55.9	58.9	64.7	59.2	59.2

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