

Sul Ross State University



About This Report

About Your Multi-Year Report

For institutions participating in multiple NSSE administrations since 2013, the year of the last survey update, this report presents year-to-year results for Engagement Indicators (EIs), High-Impact Practices (HIPs), and key academic challenge items to illustrate patterns of change or stability. It also provides details such as numbers of respondents, standard deviations, and standard errors so that statistical tests can be calculated.

For more information and recommendations for analyzing NSSE data over time, view our webinar entitled *Recommendations for Using Multiple Years of NSSE Data:* http://go.iu.edu/2R1r

This report contains three main parts: (a) a page that provides a quick reference to important information about each year's administration, (b) multi-year figures, and (c) detailed statistics. Key terms and features are illustrated below.

Report sections

Administration Summaries (p. 3)	A summary of respondent counts, response rates, sampling errors, and administration details for each participation year.
Engagement Results by Theme (pp. 4-7)	Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning with Peers, Experiences with Faculty, and Campus Environment) are each represented by two EIs.
High-Impact Practices (pp. 8-9)	Results for six HIPs are displayed. First-year student results indicate students who participated in service-learning, a learning community, and research with faculty, and who <i>planned to do</i> an internship or field experience, study abroad, and a culminating senior experience. Senior results indicate students who participated in all six.
Detailed Statistics (pp. 10-13)	Displays detailed information for results including counts, standard errors, and confidence intervals (CIs) for each measure.

Interpreting year-to-year results

When examining year-to-year results, you may wonder whether observed differences signify meaningful change and whether a trend is indicated. Figures display CIs around each score showing the range of values that is estimated to contain the population score 95% of the time. Upper and lower CI bounds are also reported in the Detailed Statistics section.

For further investigation

The Report Builder, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items (including HIPs). It also affords the analysis of results by subpopulation.



Administration Summaries Sul Ross State University

The precision of an institution's population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your *Administration Summary* reports.

Response Details by Participation Year

		Fi	rst-year studen	its		Seniors									
Year	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions					
2013															
2014															
2015															
2016	9%	+/- 14.6%	41	33	8	22%	+/- 14.3%	37	33	4					
2017	17%	+/- 8.1%	120	108	12	24%	+/- 7.7%	124	110	14					
2018	18%	+/- 8.3%	116	99	17	25%	+/- 6.4%	176	151	25					
2019	15%	+/- 9.7%	88	76	12	16%	+/- 9.1%	97	89	8					
2020	23%	+/- 8.4%	106	85	21	19%	+/- 7.6%	134	110	24					
2021	25%	+/- 10.7%	63	47	16	26%	+/- 7.5%	127	107	20					

	Recruitment		Incentives		Report Sample		
Year	method	Sample type	offered	Additional question sets	identified ^d	BCSSE	FSSE
2013							
2014							
2015							
2016	Email	Census	No	Civic Engagement	No	No	No
2017	Email	Census	Yes	None	No	No	No
2018	Email	Census	Yes	Writing Experiences	No	No	No
2019	Email	Census	Yes	None	No	No	No
2020	Email	Census	Yes	Inclusiv & Cult Div	No	No	No
2021	Email	Census	No	Inclusiv & Cult Div, Online Learning	No	No	No

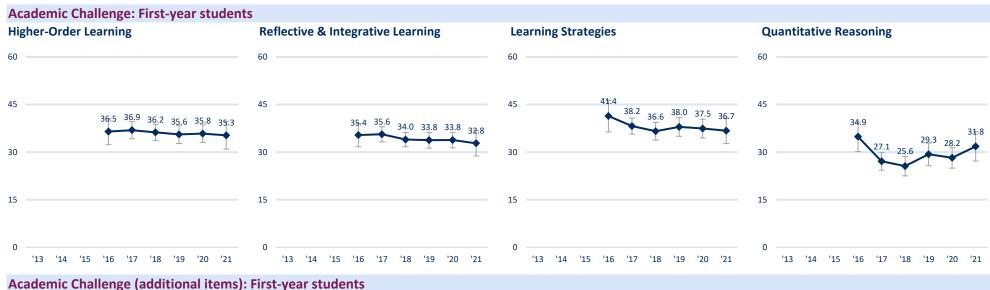
Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

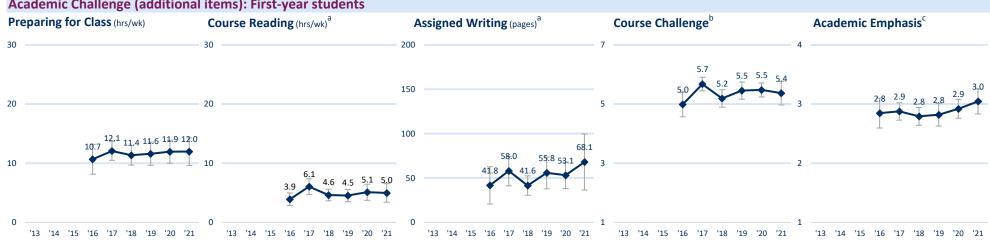
- a. Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.
- b. Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much survey item percentages for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.
- c. Count used to calculate response rates and sampling errors for each Administration Summary report. Includes all census-administered and randomly sampled students, regardless of "Report Sample" designation.
- d. Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your Administration Summary reports.



Engagement Results by Theme Sul Ross State University

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.





a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions.

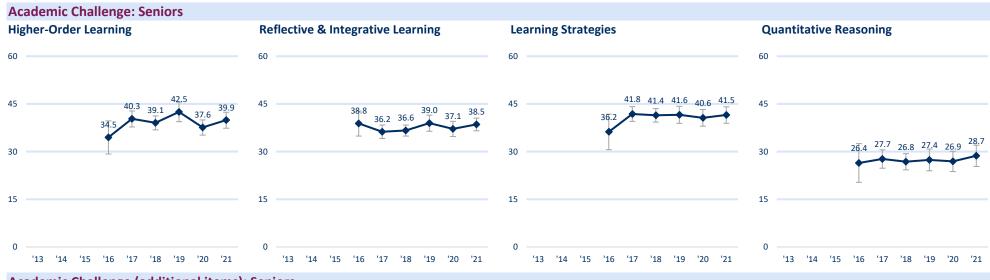
b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

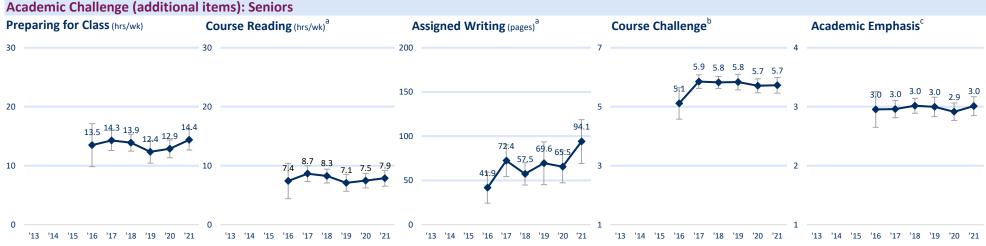
c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").



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Campus Environment: First-year students

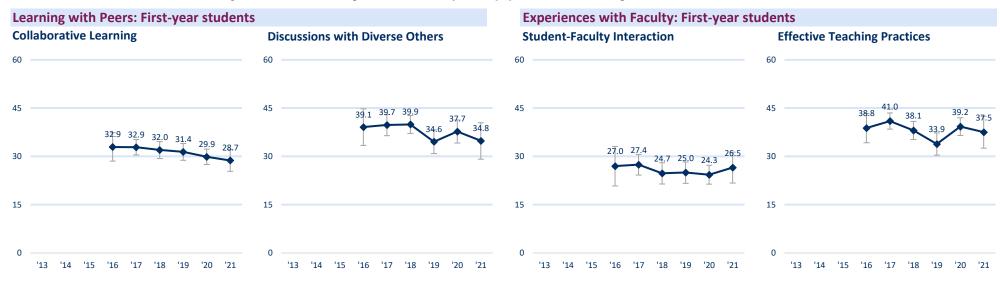
'13 '14 '15 '16 '17 '18 '19 '20 '21

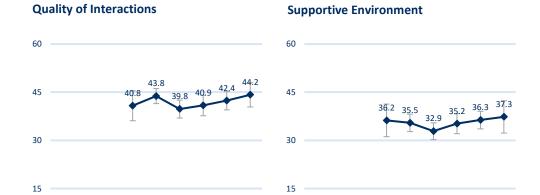
NSSE 2021 Multi-Year Report

Engagement Results by Theme

Sul Ross State University

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. Each theme below is represented by two EIs. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.



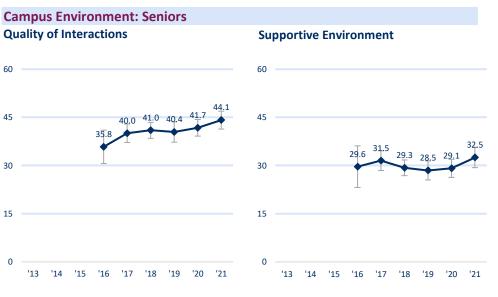




Engagement Results by Theme Sul Ross State University

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. Each theme below is represented by two EIs. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.

Learning with Peers: Seniors		Experiences with Faculty: Seniors	
Collaborative Learning	Discussions with Diverse Others	Student-Faculty Interaction	Effective Teaching Practices
60	60	60	60
45	45	45	45 41.8 41.0 44.3 38.9 41.1
30 26.7 28.9 28.6 30.9 31.6 27.1	30	25.5 22.7 22.6 24.2 26.6 25.3	30
15	15	15	15
0	0	0	0

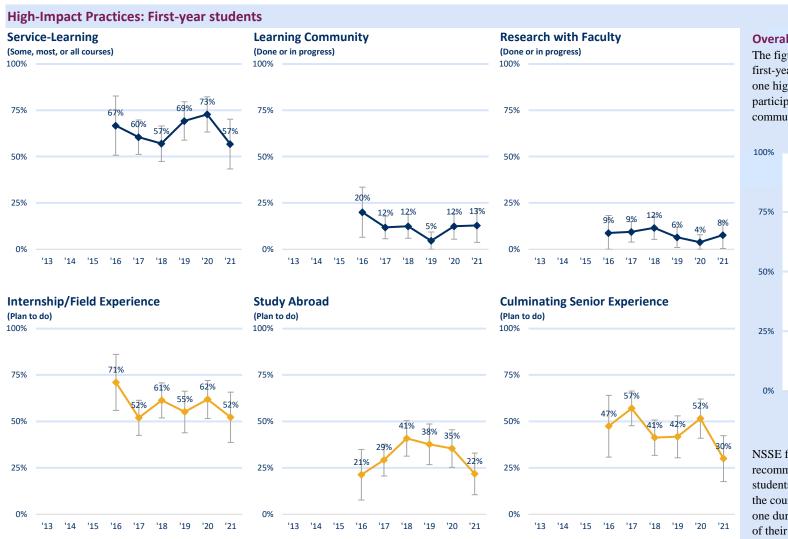




High-Impact Practices

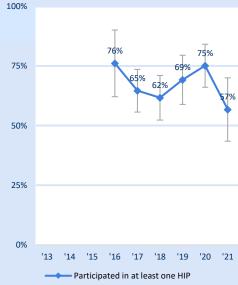
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Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics. For more information, refer to your *High-Impact Practices* report.



Overall first-year HIP participation

The figure below displays the percentages of first-year students who participated in at least one high-impact practice. The figure is limited to participation in service-learning, a learning community, and research with faculty.



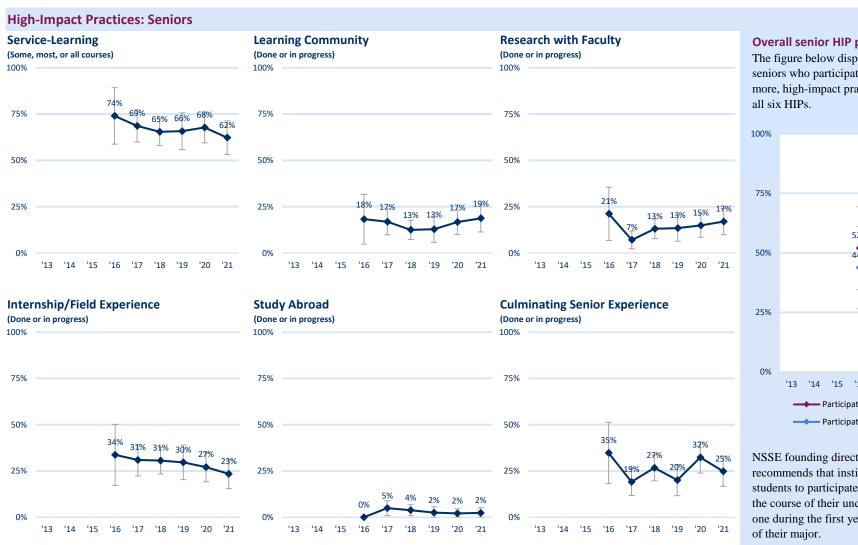
NSSE founding director George Kuh recommends that institutions aspire for all students to participate in at least two HIPs over the course of their undergraduate experience—one during the first year and one in the context of their major.



High-Impact Practices

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Due to their positive associations with student learning and retention, special undergraduate opportunities are designated "high-impact." Participation in High-Impact Practices (HIPs) by year is displayed in the figures below. See page 13 for detailed statistics. For more information, refer to your High-Impact Practices report.



Overall senior HIP participation

The figure below displays the percentages of seniors who participated in one, and two or more, high-impact practices. The figure includes



NSSE founding director George Kuh recommends that institutions aspire for all students to participate in at least two HIPs over the course of their undergraduate experience one during the first year and one in the context



Detailed Statistics: Engagement Indicators and Additional Items

Sul Ross State University

				Firs	t-year s	tudent	S							Senio	ors				
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'13	'14	'15	'16	'17	'18	'19	'20	'21
Academic Challenge										<u>-</u>									
Higher-Order	Mean				36.5	36.9	36.2	35.6	35.8	35.3				34.5	40.3	39.1	42.5	37.6	39.9
Learning	n				33	109	105	80	93	52				35	115	158	93	125	118
Learning	SD				11.9	14.4	13.6	13.2	13.6	16.0				15.8	13.7	14.0	15.1	13.7	14.0
	SE				2.08	1.38	1.32	1.48	1.41	2.21				2.67	1.28	1.11	1.56	1.22	1.29
	CI upper bound				40.6	39.6	38.8	38.5	38.6	39.6				39.7	42.8	41.2	45.5	40.0	42.4
	CI lower bound				32.4	34.2	33.6	32.7	33.1	31.0				29.2	37.8	36.9	39.4	35.2	37.4
Reflective &	Mean				35.4	35.6	34.0	33.8	33.8	32.8				38.8	36.2	36.6	39.0	37.1	38.5
Integrative	n				37	114	111	83	97	58				35	120	167	97	128	120
Learning	SD				11.3	13.1	12.1	11.6	12.3	15.6				11.8	11.7	11.6	12.8	13.8	11.1
Learning	SE				1.86	1.23	1.15	1.28	1.25	2.04				2.00	1.07	.90	1.30	1.21	1.02
	CI upper bound				39.0	38.0	36.2	36.3	36.3	36.8				42.7	38.3	38.4	41.5	39.5	40.5
	CI lower bound				31.7	33.2	31.7	31.3	31.4	28.8	-			34.9	34.1	34.9	36.4	34.8	36.6
Learning	Mean				41.4	38.2	36.6	38.0	37.5	36.7				36.2	41.8	41.4	41.6	40.6	41.5
Strategies	n				34	106	105	76	87	53				33	114	156	92	123	109
· ·	SD				14.7	13.2	14.7	13.1	14.1	15.0				16.4	12.6	13.6	13.0	14.8	13.8
	SE				2.53	1.29	1.43	1.50	1.50	2.05				2.86	1.18	1.09	1.35	1.34	1.32
	CI upper bound				46.3	40.7	39.4	40.9	40.4	40.8				41.8	44.2	43.5	44.2	43.2	44.1
	CI lower bound				36.4	35.7	33.8	35.0	34.5	32.7				30.6	39.5	39.3	38.9	38.0	38.9
Quantitative	Mean				34.9	27.1	25.6	29.3	28.2	31.8 53				26.4	27.7	26.8	27.4	26.9	28.7
Reasoning	n SD				36 14.2	110 14.9	104 15.8	76 15.9	90 15.6	17.2				35 18.4	117 15.9	158 16.3	93 16.8	123 18.0	108 17.7
	SD SE				14.2 2.37	14.9 1.42	15.8	15.9	1.65	2.37				3.11	15.9 1.47	1.30	16.8	18.0	1.71
	CI upper bound				39.5	29.9	28.6	32.9	31.4	36.4				32.5	30.6	29.4	30.8	30.1	32.0
	CI lower bound				30.2	29.9	22.6	25.7	25.0	27.2				20.3	24.8	24.3	24.0	23.7	25.3
A - C		-1			30.2	24.3	22.0	23.7	23.0	27.2				20.3	24.0	24.3	24.0	23.7	
Academic Challenge		15)			10.7	12.1	11.4	11.6	11.0	12.0				13.5	14.3	13.9	12.4	12.9	14.4
Preparing for Class	Mean n				34	107	102	77	11.9 87	49				33	110	15.9 154	90	119	109
(hours/week)	SD.				7.5	8.3	8.6	8.7	9.2	8.3				10.7	9.2	9.1	9.3	8.4	9.3
	SE				1.29	.80	.85	1.00	.98	1.19				1.86	.88	.74	.98	.77	.89
	CI upper bound				13.2	13.7	13.0	13.6	13.9	14.3				17.1	16.0	15.4	14.3	14.4	16.1
	CI lower bound				8.2	10.5	9.7	9.7	10.0	9.6				9.8	12.6	12.5	10.4	11.4	12.7
Course Reading	Mean				3.9	6.1	4.6	4.5	5.1	5.0				7.4	8.7	8.3	7.1	7.5	7.9
Est. hrs per week calculated					33	107	102	4.3 77	3.1 86	3.0 49				33	110	6.3 154	90	118	108
from two items.	SD.				3.1	7.0	5.0	4.6	6.4	5.6				8.8	7.2	7.4	7.0	6.8	7.1
	SE				.55	.68	.50	.53	.69	.80				1.53	.69	.60	.74	.63	.68
	CI upper bound				5.0	7.4	5.6	5.6	6.5	6.5				10.4	10.0	9.4	8.5	8.7	9.2
	CI lower bound				2.8	4.7	3.7	3.5	3.8	3.4				4.4	7.3	7.1	5.7	6.2	6.5
	C. TOWER DOUND				2.0	7.7	5.7	5.5	5.0	J.⊣r				7.7	,.5	7	5.,	0.2	0.5

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: Engagement Indicators and Additional Items

Sul Ross State University

				Firs	t-year s	tudent	S							Senio	rs				
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'13	'14	'15	'16	'17	'18	'19	'20	'21
Academic Challenge (additional items	s, contin	ued)																
Assigned Writing	Mean				41.8	58.0	41.6	55.8	53.1	68.1				41.9	72.4	57.5	69.6	65.5	94.1
Estimated number of pages	n				34	108	107	80	89	53				28	112	156	92	120	109
calculated from three	SD				61.9	87.7	57.4	81.9	72.0	117.7				47.0	97.4	81.0	118.1	101.0	132.0
survey questions.	SE				10.69	8.46	5.56	9.13	7.64	16.11				8.90	9.19	6.48	12.34	9.22	12.64
	CI upper bound				62.8	74.6	52.5	73.7	68.1	99.6				59.3	90.4	70.2	93.7	83.6	118.8
	CI lower bound				20.9	41.4	30.7	37.9	38.1	36.5				24.4	54.3	44.8	45.4	47.5	69.3
Course Challenge	Mean				5.0	5.7	5.2	5.5	5.5	5.4				5.1	5.9	5.8	5.8	5.7	5.7
Extent to which courses	n				36	109	106	77	87	53				33	114	158	92	122	110
challenged students to do	SD				1.3	1.2	1.5	1.3	1.1	1.5				1.6	1.2	1.3	1.3	1.3	1.4
best work (1="Not at all"	SE				.21	.12	.15	.15	.12	.20				.27	.12	.10	.13	.12	.14
to 7="Very much").	CI upper bound				5.4	5.9	5.5	5.7	5.7	5.8				5.6	6.1	6.0	6.1	5.9	6.0
	CI lower bound				4.6	5.4	4.9	5.2	5.2	5.0				4.6	5.6	5.6	5.6	5.5	5.5
Academic	Mean				2.8	2.9	2.8	2.8	2.9	3.0				3.0	3.0	3.0	3.0	2.9	3.0
Emphasis	n				34	107	105	77	87	52				32	111	155	91	119	110
Perceived institutional	SD				0.7	0.8	0.8	0.9	0.7	8.0				0.9	0.8	0.8	8.0	0.8	0.9
emphasis on spending	SE				.13	.08	.08	.10	.08	.11				.15	.07	.06	.08	.08	.08
significant time studying	CI upper bound				3.1	3.0	2.9	3.0	3.1	3.3				3.3	3.1	3.1	3.2	3.1	3.2
and on academic work (1 =	CI lower bound				2.6	2.7	2.6	2.6	2.8	2.8				2.7	2.8	2.9	2.8	2.8	2.8
Learning with Peers																			
Collaborative	Mean				32.9	32.9	32.0	31.4	29.9	28.7				26.7	28.9	28.6	30.9	31.6	27.1
Learning	n				41	116	114	85	105	62				34	123	168	96	133	123
Ecarining	SD				14.4	13.2	14.4	12.2	12.5	13.6				13.9	13.9	14.9	14.3	14.7	14.9
	SE				2.25	1.23	1.35	1.32	1.22	1.72				2.37	1.25	1.15	1.46	1.27	1.34
	CI upper bound				37.3	35.3	34.6	34.0	32.3	32.1				31.3	31.4	30.9	33.8	34.1	29.7
	CI lower bound				28.5	30.5	29.3	28.8	27.5	25.4				22.0	26.5	26.4	28.0	29.1	24.5
Discussions with	Mean				39.1	39.7	39.9	34.6	37.7	34.8				35.8	35.7	33.9	36.4	36.5	36.0
Diverse Others	n				36	108	104	78	87	53				34	112	156	90	120	107
Diverse Officis	SD				17.3	17.5	14.6	16.7	16.9	21.1				19.1	16.1	19.5	17.3	18.5	17.1
	SE				2.90	1.69	1.43	1.89	1.82	2.89				3.30	1.52	1.56	1.83	1.69	1.66
	CI upper bound				44.8	43.0	42.7	38.3	41.3	40.5				42.3	38.7	36.9	40.0	39.8	39.2
	CI lower bound				33.4	36.4	37.1	30.9	34.1	29.1				29.3	32.7	30.8	32.8	33.2	32.8

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: Engagement Indicators and Additional Items

Sul Ross State University

				First	t-year s	tudent	S							Senio	rs				
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'13	'14	'15	'16	'17	'18	'19	'20	'2
Experiences with Faci	ulty																		
Student-Faculty	Mean				27.0	27.4	24.7	25.0	24.3	26.5				25.5	22.7	22.6	24.2	26.6	25
Interaction	n				33	111	107	79	96	56				35	116	166	94	124	1
interaction	SD				17.8	17.2	17.4	15.2	14.6	18.3				18.8	15.8	16.7	18.1	16.5	17
	SE				3.12	1.63	1.68	1.71	1.49	2.44				3.18	1.46	1.30	1.87	1.48	1.5
	CI upper bound				33.1	30.6	28.0	28.3	27.2	31.3				31.7	25.6	25.1	27.9	29.5	28
	CI lower bound				20.9	24.2	21.4	21.6	21.4	21.7				19.3	19.8	20.0	20.6	23.7	22
Effective Teaching	Mean				38.8	41.0	38.1	33.9	39.2	37.5				38.3	41.8	41.0	44.3	38.9	41
Practices	n				36	110	107	82	92	54				35	119	162	96	125	13
rractices	SD				13.8	13.4	14.7	16.0	13.5	18.5				16.1	14.4	14.6	14.7	15.6	16
	SE				2.32	1.27	1.43	1.76	1.40	2.52				2.72	1.32	1.15	1.50	1.40	1.5
	CI upper bound				43.4	43.5	40.9	37.3	42.0	42.4				43.7	44.4	43.2	47.3	41.6	44
	CI lower bound				34.3	38.5	35.3	30.4	36.5	32.6				33.0	39.2	38.7	41.4	36.1	38
Campus Environment																			
Quality of	Mean				40.8	43.8	39.8	40.9	42.4	44.2				35.8	40.0	41.0	40.4	41.7	44
Interactions	n				35	100	100	71	86	52				29	108	150	90	115	10
mecraecions	SD				13.9	11.9	14.3	13.6	13.5	13.9				14.3	15.3	15.6	15.3	14.2	14
	SE				2.37	1.19	1.43	1.62	1.46	1.94				2.65	1.47	1.27	1.62	1.32	1.4
	CI upper bound				45.4	46.1	42.6	44.1	45.2	48.0				41.0	42.9	43.5	43.6	44.3	46
	CI lower bound				36.2	41.4	37.0	37.7	39.5	40.4				30.6	37.2	38.5	37.2	39.2	41
Supportive	Mean				36.2	35.5	32.9	35.2	36.3	37.3				29.6	31.5	29.3	28.5	29.1	32
Environment	n				34	107	102	77	87	51				33	110	154	90	119	10
	SD				15.1	14.3	13.5	14.0	13.1	18.3				18.9	16.4	15.5	14.4	15.7	16
	SE				2.59	1.39	1.34	1.59	1.40	2.56				3.30	1.57	1.25	1.51	1.43	1.6
	CI upper bound				41.3	38.2	35.5	38.3	39.1	42.4				36.1	34.6	31.7	31.4	31.9	35
	CI lower bound				31.2	32.8	30.3	32.1	33.6	32.3				23.2	28.4	26.8	25.5	26.3	29

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: High-Impact Practices

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110
4.8
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37
34
110 4.5
4.5
40

Notes: n = Number of respondents; SE = Standard error of the proportion (sqrt[(p*(1-p))/(n-1)]) where p is the proportion; upper and lower bounds represent the 95% confidence interval (p+/-1.96 *SE).

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a. Results are the percentage who had done the activity.

b. First-year results are the percentage who planned to do the activity; Senior results are the percentage who had done the activity.

c. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.