Angelo State University NSSE 2019 Major Field Report, Part II Comparisons to Other Institutions Agri & Natural Res

Comparing your students majoring in the fields shown below to those in the same fields at your comparison group institutions

The Major Field Report group 'Agri & Natural Res' includes the following majors: Agriculture; Natural resources and conservation; Other agriculture and natural resources.



IPEDS: 222831



NSSE 2019 Major Field Report, Part II

About This Report

About Your Major Field Report, Part II

NSSE data serve to identify institutional strengths and weaknesses in reference to selected comparison institutions, yet institution-level comparisons may not capture important variation in student engagement that can be found within key subpopulations such as major. This report displays selected results for students at your institution and at your selected comparison institutions in the major category: Agri & Natural Res.

NSSE results included in MFR, Part II

- Engagement Indicators
- High-Impact Practices
- Frequencies and Statistical Comparisons
- Respondent Profile

Related-Major Groups

Self-reported first and second (if applicable) majors were identified from the survey. Your institution had the option to customize how these majors were grouped, using up to ten related-major groups. Institutions choosing not to customize their major categories receive NSSE's ten default groups. The majors used in this report are listed on the cover page of this report.

Sample

This report is based on information from all randomly selected or census-administered students in the indicated group of majors for both your institution and your comparison institutions. Targeted and locally administered oversamples and other non-randomly selected students are not included. Report Sample (if applicable) respondents are also excluded.

Class

Results are presented separately by institution-reported class level. Keep in mind that majors are student-reported. First-year students may report *intended* majors that have not yet been *declared*. Also, much of the first-year experience may take place outside of the major field. For these reasons, first-year results should be interpreted with caution.

Technical Requirements

Frequencies will be reported for related-major groups that have at least 5 respondents, but NSSE requires a group to have at least 20 respondents for statistical comparisons (e.g., means and t-tests). Comparison groups must contain at least 20 respondents in the major category, or they remain blank. Although 20 is a minimum requirement for all other statistics (Engagement Indicators, means, etc.), keep in mind that any statistical result requires a sufficient number of respondents per group to produce a reliable estimate. Due to the disaggregation of results by student-reported major, *Major Field Report* results are unweighted.

Report Sections (Those marked with an asterisk are included if at least one related-major group includes 20 or more respondents.)

Engagement Indicators*	Results on NSSE's ten Engagement Indicators (EIs) organized into four themes. See your Engagement Indicators report for more details.
High-Impact Practices*	Results on student participation in six High-Impact Practices (HIPs). See your High-Impact Practices report for more details.
Frequencies and Statistical Comparisons*	Response frequencies and statistical comparisons (including tests of significance and effect sizes) for all survey items except the demographics for your institution and your three core comparison groups.
Respondent Profile	Response frequencies for all demographic questions for your institution and your three core comparison groups.



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stu	dents ^a in					Freque	ncy D	istributior	ıs				Sta	atistical	Compari	sons ^k		
Agri & Natura	l Res													Your fi	rst-year stud	ents compa	red with	
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%		%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size "
. During the current s					70	count	70	count	70	count		Weari	Weam	3/20	Wican	3/20	Wicum	3120
a. Asked questions or	askquest	1	Never	0	0	2	2	6	2	0	0							
contributed to course		2	Sometimes	2	22	37	30	114	36	33	40							
discussions in other ways		3	Often	5	56	51	42	132	42	29	35							
ways		4	Very often	2	22	32	26	65	21	21	25							
			Total	9	100	122	100	317	100	83	100							
b. Prepared two or more	drafts	1	Never	1	11	26	22	55	18	16	20							
drafts of a paper or		2	Sometimes	5	56	37	31	104	33	34	42							
assignment before turning it in		3	Often	3	33	32	27	106	34	23	28							
		4	Very often	0	0	23	19	46	15	8	10							
			Total	9	100	118	100	311	100	81	100							
c. Come to class without	unpreparedr	1	Very often	0	0	4	3	10	3	2	2							
completing readings or assignments	(Reverse-coded	2	Often	1	11	17	14	38	12	9	11							
assignments	version of	3	Sometimes	5	56	69	57	187	59	49	59							
	unprepared <i>created</i> by NSSE.)	4	Never	3	33	31	26	81	26	23	28							
	by 1185E.)		Total	9	100	121	100	316	100	83	100							
d. Attended an art exhibit,	attendart	1	Never	4	44	59	48	139	44	41	49							
play, or other arts performance (dance,		2	Sometimes	5	56	37	30	115	37	28	34							
music, etc.)		3	Often	0	0	18	15	47	15	11	13							
		4	Very often	0	0	8	7	13	4	3	4							
			Total	9	100	122	100	314	100	83	100							
e. Asked another student	CLaskhelp	1	Never	0	0	6	5	25	8	6	7							
to help you understand course material		2	Sometimes	4	44	44	36	119	38	30	36							
course material		3	Often	3	33	47	39	119	38	33	40							
		4	Very often	2	22	25	20	54	17	14	17							
			Total	9	100	122	100	317	100	83	100							
f. Explained course	CLexplain	1	Never	0	0	2	2	9	3	0	0							-
material to one or more students		2	Sometimes	3	33	42	34	132	42	32	39							
Students		3	Often	4	44	56	46	121	38	34	41							
		4	Very often	2	22	22	18	55	17	17	20							
			Total	9	100	122	100	317	100	83	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	lents ^a in					Frequency	Distribut	ons			-	Sta	atistical	Compari	sons ^k		
Agri & Natural	Res												Your fir	st-year stud	ents compa	red with	
				ASU	S	outhwest Publi	: Carnegi	e Class	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values'	ⁿ Response options	Count	%	Count	6 Cou	nt %	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
g. Prepared for exams by discussing or working through course material with other students	CLstudy	1 2 3 4	Never Sometimes Often Very often Total	1 1 4 3	11 11 44 33 100	12 1 47 3 41 3 22 1 122 10	9 12	33 26 57 21	33	13 40 23 24 100							
h. Worked with other students on course projects or assignments	CLproject	1 2 3 4	Never Sometimes Often Very often Total	0 5 3 1	0 56 33 11 100		5 12 5 12 6 5 12 5 12 6 5 12 5 12 5 12 5	8 6 9 38 24 39 35 17	4 28	5 34 41 20 100							
i. Given a course presentation	present	1 2 3 4	Never Sometimes Often Very often Total	2 5 1 1	22 56 11 11 100	24 2 49 4 34 2 15 1 122 10	0 14 8 3 2 3	31 26 35 11	32	22 39 29 11 100							
During the current sch a. Combined ideas from different courses when completing assignments	nool year, abo RIintegrate	1 2 3 4	Never Sometimes Often Very often Total	e following? 1 3 5 0 9	11 33 56 0	11 44 3 48 3 19 1 122 10	6 12 9 1 6 4	9 38 7 15	37 24	11 45 29 16 100							
b. Connected your learning to societal problems or issues	RIsocietal	1 2 3 4	Never Sometimes Often Very often Total	1 6 2 0 9	11 67 22 0 100	23 1 37 3 43 3 18 1 121 10	1 1 6 1 5 4	8 37 6 37 6 15	16 26 26	20 32 32 17 100							
c. Included diverse perspectives (political, religious, racial/ethnic, gender, etc.) in course discussions or assignments	RIdiverse	1 2 3 4	Never Sometimes Often Very often Total	1 5 2 1 9	11 56 22 11 100	18 1 52 4 36 3 16 1 122 10	5 4 3 11 0 9	5 14	12 43 18 10	14 52 22 12 100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	lents ^a in					Frequenc	y Di:	stribution	S				St	atistical	Compari	sons ^k		
Agri & Natural	Res													Your fir	st-year stua	ents compa	ired with	
				ASU	S	outhwest Pub	lic	Carnegie Cla	ass	SACSCOC Pe	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ⁿ	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Examined the strengths	RIownview	1	Never	0	0	5	4	12	4	3	4							
and weaknesses of your own views on a topic		2	Sometimes	4	44		33	104	33	26	32							
or issue		3	Often	3	33		40	148	47	39	48							
		4	Very often	2	22		23	50	16	13	16							
			Total	9	100	120	100	314	100	81	100							
e. Tried to better	RIperspect	1	Never	0	0	4	3	6	2	1	1							
understand someone else's views by		2	Sometimes	4	44	35	29	98	31	26	32							
imagining how an issue		3	Often	2	22		46	153	49	39	48							
looks from their		4	Very often	3	33	27	22	58	18	16	20							
perspective			Total	9	100	122	100	315	100	82	100							
f. Learned something that	RInewview	1	Never	0	0	3	2	8	3	0	0							
changed the way you		2	Sometimes	4	44	53	43	103	33	38	46							
understand an issue or concept		3	Often	4	44	46	38	153	49	32	39							
		4	Very often	1	11	20	16	51	16	13	16							
			Total	9	100	122	100	315	100	83	100							
g. Connected ideas from	RIconnect	1	Never	0	0	2	2	3	1	0	0							
your courses to your		2	Sometimes	4	44	27	22	82	26	24	29							
prior experiences and knowledge		3	Often	4	44	59	49	164	52	36	44							
ē		4	Very often	1	11	33	27	67	21	22	27							
			Total	9	100	121 1	100	316	100	82	100							
3. During the current sch	nool year, abo	ut how o	often have you done th	e following?														
a. Talked about career	SFcareer	1	Never	1	11	21	17	46	15	12	14							
plans with a faculty		2	Sometimes	5	56	45	37	135	43	36	43							
member		3	Often	1	11	39	32	88	28	23	28							
		4	Very often	2	22	17	14	44	14	12	14							
			Total	9	100	122	100	313	100	83	100							
b. Worked with a faculty	SFotherwork	1	Never	2	22	36	30	130	41	25	30							-
member on activities other than coursework		2	Sometimes	5	56	50	41	98	31	30	36							
(committees, student		3	Often	2	22	26	21	57	18	18	22							
groups, etc.)		4	Very often	0	0	10	8	30	10	10	12							
			Total	9	100	122	100	315	100	83	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	lents ^a in					Frequer	ıcy D	istribution	ıs				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res														st-year stud		red with	
-6				ASU	Sc	outhwest P	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
c. Discussed course	SFdiscuss	vuiues 1	Never	3	33	30	25	81	26	20	24	ivieuri	ivieuri	3126	Weum	3126	ivieuri	3126
topics, ideas, or		2	Sometimes	6	67	57	47	144	46	34	41							
concepts with a faculty member outside of		3	Often	0	0	27	22	69	22	23	28							
class		4	Very often	0	0	8	7	19	6	6	7							
			Total	9	100	122	100	313	100	83	100							
d. Discussed your	SFperform	1	Never	1	11	15	13	65	21	9	11							
academic performance		2	Sometimes	6	67	65	54	163	52	45	54							
with a faculty member		3	Often	2	22	26	22	61	19	18	22							
		4	Very often	0	0	14	12	25	8	11	13							
			Total	9	100	120	100	314	100	83	100							
. During the current sch	nool year, how	much l	as your coursework e	mphasized th	e follow	ing?												
a. Memorizing course	memorize	1	-	0	0	4	3	12	4	2	2							
material		2	Some	2	22	23	19	79	25	20	24							
		3	Quite a bit	5	56	70	57	157	50	45	54							
		4	Very much	2	22	25	20	65	21	16	19							
			Total	9	100	122	100	313	100	83	100							
b. Applying facts,	HOapply	1	Very little	1	11	5	4	12	4	4	5							
theories, or methods to		2	Some	2	22	34	28	100	32	24	29							
practical problems or new situations		3	Quite a bit	6	67	62	51	140	45	43	52							
		4	Very much	0	0	21	17	62	20	12	14							
			Total	9	100	122	100	314	100	83	100							
c. Analyzing an idea,	HOanalyze	1	Very little	0	0	5	4	12	4	5	6							
experience, or line of reasoning in depth by		2	Some	5	56	37	30	92	29	28	34							
examining its parts		3	Quite a bit	4	44	59	48	149	48	36	43							
0 1		4	Very much	0	0	21	17	60	19	14	17							
			Total	9	100	122	100	313	100	83	100							
d. Evaluating a point of	HOevaluate	1	Very little	2	22	3	2	6	2	3	4							
view, decision, or information source		2	Some	3	33	33	27	94	30	22	27							
mormation source		3	Quite a bit	4	44	56	46	157	50	43	52							
		4	Very much	0	0	30	25	54	17	15	18							
			Total	9	100	122	100	311	100	83	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

	. a.															1.		
irst-Year Stud	ents" in					Frequer	icy D	istribution	S				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res												Statistical Comparisons ^k Your first-year students compared with Southwest Public Carnegie Class SACSCOC Peer					
			ASU	So	outhwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers	
Item wording	Variable													Effect		Effect		Effect
or description	name '		Response options	Count	%	Count	%	Count	%	Count	4	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
e. Forming a new idea or understanding from	HOform	1	Very little	1	11	6	5	8	3	3								
various pieces of		2	Some	4	44	28	23	104	33	20	24							
information		3	Quite a bit	3	33	62	51	152	48	46	55							
		4	Very much	1	11	26	21	50	16	14	17							
			Total	9	100	122	100	314	100	83	100							
During the current sch	ool year, to w	hat exte	nt have your instructo	rs done the f	ollowing	g?												
a. Clearly explained	ETgoals	1	Very little	0	0	2	2	10	3	1	1							
course goals and requirements		2	Some	4	44	23	19	67	21	16	19							
requirements		3	Quite a bit	1	11	59	48	142	45	41	49							
		4	Very much	4	44	38	31	95	30	25	30							
			Total	9	100	122	100	314	100	83	100							
o. Taught course sessions	ETorganize	1	Very little	0	0	4	3	16	5	4	5							
in an organized way		2	Some	2	22	26	21	71	23	20	24							
		3	Quite a bit	4	44	57	47	142	45	36	44							
		4	Very much	3	33	34	28	84	27	22	27							
			Total	9	100	121	100	313	100	82	100							
c. Used examples or	ETexample	1	Very little	0	0	6	5	8	3	4	5							
illustrations to explain		2	Some	2	22	20	16	70	22	16	19							
difficult points		3	Quite a bit	4	44	64	52	138	44	42	51							
		4	Very much	3	33	32	26	97	31	21	25							
			Total	9	100	122	100	313	100	83	100							
d. Provided feedback on a	ETdraftfb	1	Very little	2	22	14	11	24	8	12	14							
draft or work in		2	Some	2	22	31	25	95	30	25	30							
progress		3	Quite a bit	3	33	49	40	124	39	31	37							
		4	Very much	2	22	28	23	71	23	15	18							
			Total	9	100	122	100	314	100	83	100							
e. Provided prompt and	ETfeedback	1	Very little	2	22	15	12	30	10	10	12							
detailed feedback on		2	Some	2	22	46	38	98	31	35	42							
tests or completed assignments		3	Quite a bit	2	22	41	34	117	38	29	35							
assignments		4	Very much	3	33	19	16	67	21	9	11							
			Total	9	100	121	100	312	100	83	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stu	udents ^a in					Frequer	ncy D	istributior	ıS				Sta	atistical	Compari	sons ^k		
Agri & Natur	al Res													Your fi	rst-year stud	ents compa	red with	
				ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
6. During the current	school year, abou			e following?														
a. Reached conclusions	QRconclude	1	Never	1	11	13	11	23	7	7	9							
based on your own		2	Sometimes	7	78	40	33	125	40	29	35							
analysis of numerical		3	Often	1	11	49	40	120	38	33	40							
information (numbers, graphs, statistics, etc.)		4	Very often	0	0	19	16	45	14	13	16							
graphs, satisfies, etc.)			Total	9	100	121	100	313	100	82	100							
b. Used numerical	QRproblem	1	Never	0	0	20	17	41	13	12	15							
information to examine		2	Sometimes	8	89	50	41	126	41	33	40							
a real-world problem o	or	3	Often	1	11	37	31	112	36	30	37							
issue (unemployment, climate change, public		4	Very often	0	0	14	12	31	10	7	9							
health, etc.)			Total	9	100	121	100	310	100	82	100							
,			1000	Í	100		100	310	100	02	100							
c. Evaluated what others	QRevaluate	1	Never	0	0	24	20	45	14	17	21							
have concluded from		2	Sometimes	7	78	50	41	144	46	35	43							
numerical information		3	Often	2	22	34	28	94	30	23	28							
		4	Very often	0	0	13	11	29	9	7	9							
			Total	9	100	121	100	312	100	82	100							
7. During the current	school year, abou	t how r	nany papers, reports,	or other writ	ing tas	ks of the fol	lowin	g lengths ha	ve yo	u been assig	ned? (Include those not	t yet comp	leted.)				
a. Up to 5 pages	wrshortnum	0	None	2	22	7	6	23	7	5	6							
	(Recoded version	1.5	1-2	2	22	26	22	72	23	24	29							
	of wrshort created	4	3-5	2	22	42	35	96	31	25	30							
	by NSSE. Values	8	6-10	1	11	27	23	70	23	16	20							
	are estimated number of papers,	13	11-15	1	11	10	8	26	8	10	12							
	reports, etc.)	18	16-20	1	11	2	2	12	4	1	1							
	1 / /	23	More than 20	0	0	6	5	12	4	1	1							
			Total	9	100	120	100	311	100	82	100							
b. Between 6 and 10	wrmednum	0	None	4	44	52	43	127	41	39	48							
pages	(Recoded version	1.5	1-2	3	33	43	36	106	34	24	29							
	of wrmed created	4	3-5	1	11	14	12	50	16	14	17							
	by NSSE. Values	8	6-10	1	11	6	5	18	6	2	2							
	are estimated	13	11-15	0	0	5	4	9	3	3	4							
	number of papers, reports, etc.)	18	16-20	0	0	0	0	0	0	0	0							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year St	udents ^a in	l			Freque	ncy Di	stribution	ıs				Sta	atistical (Comparis	sons ^k		
Agri & Natur	gri & Natural Res												Your fir	st-year stud	ents compa	red with	
			ASU		Southwest F	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size ⁿ
		More than 20	0	0	1	1	2	1	0	0							
		Total	9	100	121	100	312	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

	Variable name' Values''' Response op ore Wrlongnum 0 None (Recoded version 1.5 1-2 of wrlong created 4 3-5 by NSSE. Values are estimated number of papers, reports, etc.) 18 16-20 23 More than Total Total																	
First-Year Stu	ıdents" in					Freque	ncy D	istribution	ıs				Sta	atistical	Compari	sons ^k		
Agri & Natura	al Res													Your fi	rst-year stud	ents compa	red with	
· ·				ASU		Southwest F	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable													Effect		Effect		Effec
or description				Count	%	Count	%	Count	%	Count	%	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size
c. 11 pages or more	wrlongnum			9	100	101	83	237	76	66	80							
	*	1.5		0	0	12	10	53	17	11	13							
				0	0	2	2	7	2	0	0							
	•	8	6-10	0	0	2	2	6	2	3	4							
		13	11-15	0	0	2	2	3	1	2	2							
	reports, etc.)	18	16-20	0	0	1	1	2	1	0	0							
		23	More than 20	0	0	1	1	2	1	0	0							
			Total	9	100	121	100	310	100	82	100							
Estimated number of assigned pages of	wrpages																	
	from wrshort, wrmestimated pages of	ed, and assigned	wrlong. Values are l writing.)															
•	•		•							2								
People of a race or ethnicity other than	DDrace			0	0	6	5	20	6	3	4							
your own				1	11	30	25	96	31	29	35							
				4	44	43	36	112	36	27	33							
		4	-	4	44	42	35	83	27	23	28							
				9	100	121	100	311	100	82	100							
b. People from an economic background	DDeconomic			0	0	5	4	13	4	2	2							
other than your own				2	22	31	26	80	26	26	32							
				3	33	42	35	124	40	26	32							
		4		4	44	42	35	94	30	27	33							
B 1 31 P 1	DD 11.			9	100	120	100	311	100	81	100							
c. People with religious beliefs other than your	DDreligion			0	0	13	11	19	6	7	9							
own		2	Sometimes	4	44	30	25	80	26	24	29							
		3	Often	2	22	37	31	116	37	24	29							
		4	Very often	3	33	41	34	96	31	27	33							
			Total	9	100	121	100	311	100	82	100							
d. People with political views other than your	DDpolitical	1	Never	0	0	9	7	17	5	3	4							
own		2	Sometimes	4	44	29	24	90	29	29	35							
		3	Often	1	11	42	35	117	38	26	32							



Frequencies and Statistical Comparisons: Agri & Natural Res

	. 2.						0 -				•						
First-Year St	udents" in				Freque	ncy Di	stribution	S				Sta	atistical (Comparis	sons ^k		
Agri & Natu	gri & Natural Res												Your fir	st-year stud	ents compa	red with	
		ASU		Southwest F	ublic	Carnegie C	ass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers	
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
		4 Very often	4	44	41	34	88	28	24	29			_				
		Total	9	100	121	100	312	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	dents ^a in					Freque	ncy D	istribution	ıS				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res													Your fir	st-year stud	ents compa	red with	
				ASU	S	outhwest F	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size ⁿ
9. During the current scl	hool year, abo	ut how o	often have you done th	e following?														
a. Identified key	LSreading	1	Never	0	0	5	4	7	2	2	2							
information from		2	Sometimes	3	33	30	25	79	25	17	21							
reading assignments		3	Often	6	67	57	47	149	48	43	52							
		4	Very often	0	0	29	24	75	24	20	24							
			Total	9	100	121	100	310	100	82	100							
b. Reviewed your notes	LSnotes	1	Never	0	0	3	2	12	4	2	3							
after class		2	Sometimes	2	22	38	31	99	32	27	34							
		3	Often	2	22	42	35	113	37	24	30							
		4	Very often	5	56	38	31	85	28	27	34							
			Total	9	100	121	100	309	100	80	100							
c. Summarized what you	LSsummary	1	Never	0	0	6	5	18	6	2	2							
learned in class or from		2	Sometimes	3	33	38	32	97	31	27	33							
course materials		3	Often	5	56	46	39	118	38	31	38							
		4	Very often	1	11	29	24	77	25	22	27							
			Total	9	100	119	100	310	100	82	100							
10. During the current so	chool year, to	what ex	tent have your courses	challenged y	ou to d	o your bes	t work	:?										
Ü	challenge	1	Not at all	0	0	0	0	5	2	0	0							
		2		1	11	0	0	1	0	0	0							
		3		0	0	8	7	13	4	5	6							
		4		3	33	13	11	42	14	5	6							
		5		2	22	42	35	104	34	37	45							
		6		3	33	30	25	70	23	21	26							
		7	Very much	0	0	28	23	73	24	14	17							
			Total	9	100	121	100	308	100	82	100							
11. Which of the following	ng have you do	one or d	o you plan to do befor	e you gradua	te?°													
a. Participate in an	intern		Have not decided	0	0	8	7	33	11	11	13							
internship, co-op, field	(Means indicate		Do not plan to do	2	22	6	5	18	6	4	5							
experience, student teaching, or clinical	the percentage		Plan to do	7	78	91	75	233	75	60	73							
placement	who responded "Done or in		Done or in progress	0	0	16	13	26	8	7	9							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year St	tudents ^a in				Frequer	ncy Dis	tribution	S				Sta	atistical (Comparis	ons ^k		
Agri & Natu	ral Res												Your fir.	st-year stude	ents compa	red with	
			ASU		Southwest P	ublic (Carnegie Cl	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegie	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size "
	progress.")	Total	9	100	121	100	310	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	dents ^a in					Fred	quen	cy D	istribution	ıS				Sta	atistical	Compari	sons ^k		
Agri & Natura	l Res														Your fir	st-year stud	ents compa	red with	
				ASU		Southw	est Pu	ıblic	Carnegie C	ass	SACSCOC P	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable														Effect		Effect		Effect
or description b. Hold a formal	name leader	Values"	Response options Have not decided	Count 2		% C	ount 28	23	Count 71	23	Count 14	17	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
leadership role in a	(Means indicate		Do not plan to do	5		56	24	20	80	26	18	22							
student organization or	the percentage		Plan to do	2		22	50	41	118	38	40	49							
group	who responded		Done or in progress	0		0	19	16	41	13	10	12							
	"Done or in progress.")		Total	9	10			100	310	100	82	100							
c. Participate in a learning	learncom		Have not decided	2	2	22	31	26	86	28	19	23							
community or some	(Means indicate		Do not plan to do	1	1	.1	29	24	89	29	25	31							
other formal program where groups of	the percentage		Plan to do	5	5	66	40	33	91	30	22	27							
students take two or	who responded		Done or in progress	1	1	1	21	17	40	13	15	19							
more classes together	"Done or in progress.")		Total	9	10	00	121	100	306	100	81	100							
d. Participate in a study	abroad		Have not decided	2	2	22	20	17	70	23	13	16							
abroad program	(Means indicate		Do not plan to do	3	3	3	41	34	95	31	28	34							
	the percentage		Plan to do	3	3	13	51	43	133	43	36	44							
	who responded "Done or in		Done or in progress	1	1	1	8	7	10	3	5	6							
	progress.")		Total	9	10	00	120	100	308	100	82	100							
e. Work with a faculty	research		Have not decided	5	5	6	40	33	96	31	25	30							
member on a research	(Means indicate		Do not plan to do	2	2	22	19	16	77	25	22	27							
project	the percentage		Plan to do	1	1	.1	51	42	127	41	31	38							
	who responded "Done or in		Done or in progress	1	1	.1	11	9	10	3	4	5							
	progress.")		Total	9	10	00	121	100	310	100	82	100							
f. Complete a culminating	capstone		Have not decided	4	4	14	37	31	98	32	25	30							
senior experience	(Means indicate		Do not plan to do	1	1	.1	12	10	54	17	15	18							
(capstone course, senior project or thesis,	the percentage		Plan to do	3	3	3	72	60	156	50	42	51							
comprehensive exam,	who responded "Done or in		Done or in progress	1	1	1	0	0	2	1	0	0							
portfolio, etc.)	progress.")		Total	9	10	00	121	100	310	100	82	100							
12. About how many of	your courses at	t this ins	stitution have included	a communit	y-ba	ased proje	ect (sei	rvice	-learning)?										
•	servcourse	1	None	4	4	14	48	40	109	35	28	34							
		2	Some	5	5	56	61	50	167	54	45	55							
		3	Most	0		0	11	9	26	8	8	10							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year St	udents ^a in	1			Freque	ncy Di	stributior	ıS				Sta	atistical (Comparis	sons ^k		
Agri & Natur	ral Res												Your fir	st-year stude	ents compa	red with	
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegie	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size n	Mean	size n	Mean	size n
		4 All	0	0	1	1	7	2	1	1							
		Total	9	100	121	100	309	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stu	dents ^a in				Freque	ncy D	istribution	ıs				St	atistical	Compari	sons ^k		
Agri & Natura	al Res												Your fi	rst-year stua	ents compa	red with	
			ASU		Southwest F	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size "
13. Indicate the quality	of your interac	ctions with the following peo	ple at your inst	itutior	ı .												
a. Students	QIstudent	1 Poor	0	0	2	2	2	1	1	1							
		2	0	0	2	2	6	2	1	1							
		3	0	0	11	9	10	3	7	9							
		4	1	11	14	12	45	15	9	11							
		5	4	44	31	26	87	28	24	30							
		6	2	22	22	18	64	21	12	15							
		7 Excellent	2	22	37	31	95	31	27	33							
		 Not applicable 	0	0	0	0	1	0	0	0							
		Total	9	100	119	100	310	100	81	100							
b. Academic advisors	QIadvisor	1 Poor	0	0	3	2	6	2	0	0							
		2	0	0	2	2	9	3	3	4							
		3	1	11	9	7	18	6	4	5							
		4	2	22	20	17	53	17	16	20							
		5	2	22	17	14	67	22	19	23							
		6	2	22	25	21	50	16	15	18							
		7 Excellent	2	22	44	36	99	32	24	29							
		 Not applicable 	0	0	1	1	9	3	1	1							
		Total	9	100	121	100	311	100	82	100							
c. Faculty	QIfaculty	1 Poor	0	0	0	0	4	1	0	0							
		2	0	0	0	0	5	2	0	0							
		3	0	0	8	7	15	5	4	5							
		4	1	11	16	13	42	14	13	16							
		5	3	33	36	30	80	26	34	41							
		6	4	44	30	25	81	26	19	23							
		7 Excellent	1	11	31	26	77	25	12	15							
		 Not applicable 	0	0	0	0	5	2	0	0							
		Total	9	100	121	100	309	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	lents ^a in					Frequenc	y Di	stributions	;				Sta	atistical	Compari	sons ^k		
Agri & Natural	Res													Your fi	st-year stud	ents compo	ired with	
				ASU		Southwest Pub	olic	Carnegie Cla	ISS	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values "	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size "	Mean	Effect size ⁿ
d. Student services staff	QIstaff	1	Poor	1	11	3	2	7	2	1	1							
(career services,		2		0	0	3	2	12	4	2	2							
student activities, housing, etc.)		3		1	11	8	7	13	4	5	6							
nousing, etc.)		4		1	11	16	13	50	16	15	19							
		5		2	22	32	26	75	24	24	30							
		6		1	11	28	23	46	15	17	21							
		7	Excellent	0	0	26	21	79	26	14	17							
		_	Not applicable	3	33	5	4	26	8	3	4							
			Total	9	100	121	100	308	100	81	100							
e. Other administrative	QIadmin	1	Poor	0	0	1	1	5	2	0	0							
staff and offices		2		0	0	5	4	14	5	5	6							
(registrar, financial aid,		3		1	11	11	9	23	7	7	9							
etc.)		4		3	33	17	14	45	15	17	21							
		5		1	11	36	30	76	25	25	30							
		6		3	33	24	20	58	19	14	17							
		7	Excellent	1	11	24	20	80	26	13	16							
		_	Not applicable	0	0	3	2	7	2	1	1							
			Total	9	100	121	100	308	100	82	100							
14. How much does your	institution em	phasize	the following?															
a. Spending significant	empstudy	1	Very little	0	0	0	0	3	1	0	0							
amounts of time studying and on		2	Some	2	22	24	20	63	20	15	18							
academic work		3	Quite a bit	3	33	60	50	153	49	45	55							
		4	Very much	4	44	37	31	91	29	22	27							
			Total	9	100	121	100	310	100	82	100							
b. Providing support to	SEacademic	1	Very little	0	0	3	2	10	3	2	2							
help students succeed		2	Some	2	22	29	24	72	23	16	20							
academically		3	Quite a bit	3	33	53	44	131	43	43	52							
		4	Very much	4	44	36	30	95	31	21	26							
			Total	9	100	121	100	308	100	82	100							
c. Using learning support	SElearnsup	1	Very little	0	0	6	5	14	5	5	6							
services (tutoring		2	Some	3	33	19	16	64	21	15	18							
services, writing center, etc.)		3	Quite a bit	5	56	52	43	116	38	38	46							
c.c.,		4	Very much	1	11	44	36	114	37	24	29							



Frequencies and Statistical Comparisons: Agri & Natural Res

							_										
First-Year St	udents ^a in				Frequer	ncy Di	istributior	ıs				Sta	atistical (Compari	sons ^k		
Agri & Natur	al Res												Your fir	st-year stud	ents compa	red with	
			ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size n	Mean	size "	Mean	size "
		Total	9	100	121	100	308	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	dents ^a in					Frequenc	cy D	istribution	S				Sta	atistical	Compari	sons ^k		
Agri & Natural	Res													Your fir	st-year stud	ents compa	red with	
				ASU	S	outhwest Pu	blic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values!	^m Response options	Count	0/	Count	%	Count	0/	Count	0/	Maan	Maan	Effect size ⁿ	Magn	Effect size "	Maan	Effect size ⁿ
d. Encouraging contact among students from	SEdiverse	1	Very little	Count 2	22	Count 23	19	Count 32	10	Count 14	17	Mean	Mean	size	Mean	Size	Mean	Size
different backgrounds		2	Some	2	22 44	32 39	26	98	32	28	34							
(social, racial/ethnic,			Quite a bit	·		39 27	32 22	110 69	36 22	23 17	28 21							
religious, etc.)		4	Very much Total	1	11 100		100	309	100	82	100							
e. Providing opportunities	SEsocial	1	Very little	0	0	4	3	15	5	4	5							
to be involved socially	SESOCIAI	2	Some	5	56	28	23	65	21	19	23							
		3	Quite a bit	2	22	56	46	134	43	36	44							
		4	Very much	2	22	33	27	96	31	23	28							
			Total	9	100	121	100	310	100	82	100							
f. Providing support for	SEwellness	1	Very little	1	11	5	4	18	6	4	5							
your overall well-being		2	Some	1	11	23	19	84	27	19	23							
(recreation, health care, counseling, etc.)		3	Quite a bit	6	67	56	46	116	38	39	48							
counseling, etc.)		4	Very much	1	11	37	31	91	29	20	24							
			Total	9	100	121	100	309	100	82	100							
g. Helping you manage	SEnonacad	1	Very little	1	11	24	20	56	18	16	20							
your non-academic responsibilities (work,		2	Some	6	67	44	36	114	37	33	41							
family, etc.)		3	Quite a bit	2	22	38	31	95	31	25	31							
· ,		4	Very much	0	0	15	12	44	14	7	9							
			Total	9	100	121	100	309	100	81	100							
h. Attending campus	SEactivities	1	Very little	0	0	11	9	24	8	8	10							
activities and events (performing arts,		2	Some	2	22	24	20	91	30	20	25							
athletic events, etc.)		3	Quite a bit	6	67	54	45	117	38	32	40							
		4	Very much	1	11	30	25	76	25	20	25							
			Total	9	100		100	308	100	80	100							
 Attending events that address important 	SEevents	1	Very little	1	11	25	21	41	13	13	16							
social, economic, or		2		5	56	45	37	108	35	31	38							
political issues		3	Quite a bit	3	33	31	26	99	32	24	30							
		4	Very much	0	0	20	17	59	19	13	16							
			Total	9	100	121	100	307	100	81	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

irst-Year Stu	aents in					Frequer	ncy D	istribution	ıs				St	atistical	Compari	sons ^k		
Agri & Natura	al Res													Your fi	rst-year stud	ents compa	red with	
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values"	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
5. About how many he	ours do you spend	l in a t	ypical 7-day week doi:	ng the follow	ing?													
a. Preparing for class	tmprephrs	0	0 hrs	0	0	0	0	1	0	0	0							
(studying, reading,	(Recoded version	3	1-5 hrs	2	22	21	18	45	15	15	19							
writing, doing homework or lab work,	of tmprep created	8	6-10 hrs	3	33	25	21	80	26	20	25							
analyzing data,	by NSSE. Values	13	11-15 hrs	2	22	31	26	73	24	19	23							
rehearsing, and other	are estimated number of hours	18	16-20 hrs	1	11	18	15	52	17	13	16							
academic activities)	per week.)	23	21-25 hrs	1	11	13	11	29	9	8	10							
	per weekly	28	26-30 hrs	0	0	10	8	19	6	6	7							
		33	More than 30 hrs	0	0	2	2	10	3	0	0							
			Total	9	100	120	100	309	100	81	100							
b. Participating in co-	tmcocurrhrs	0	0 hrs	3	33	32	26	92	30	19	23							-
curricular activities	(Recoded version	3	1-5 hrs	4	44	41	34	102	33	25	30							
(organizations, campus	of tmcocurr	8	6-10 hrs	1	11	19	16	44	14	14	17							
publications, student government, fraternity	created by NSSE.	13	11-15 hrs	0	0	17	14	33	11	13	16							
or sorority,	Values are	18	16-20 hrs	1	11	5	4	21	7	3	4							
intercollegiate or	estimated number of hours per	23	21-25 hrs	0	0	3	2	6	2	2	2							
intramural sports, etc.)	week.)	28	26-30 hrs	0	0	1	1	4	1	3	4							
	,	33	More than 30 hrs	0	0	3	2	7	2	3	4							
			Total	9	100	121	100	309	100	82	100							
c. Working for pay	tmworkonhrs	0	0 hrs	8	89	93	78	255	82	65	80							
on campus	(Recoded version	3	1-5 hrs	0	0	3	3	7	2	3	4							
	of tmworkon	8	6-10 hrs	0	0	7	6	19	6	3	4							
	created by NSSE.	13	11-15 hrs	0	0	7	6	13	4	7	9							
	Values are	18	16-20 hrs	1	11	5	4	8	3	2	2							
	estimated number of hours per	23	21-25 hrs	0	0	2	2	7	2	1	1							
	oj nours per week.)	28	26-30 hrs	0	0	1	1	1	0	0	0							
		33	More than 30 hrs	0	0	2	2	0	0	0	0							
			Total	9	100	120	100	310	100	81	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

irst-Year Stu	dents ^a in					Frequer	ıcy D	istribution	S				Sta	atistical	Compari	sons ^k		
Agri & Natura	l Res													Your fir	st-year stud	ents compa	red with	
				ASU	S	outhwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Working for pay	tmworkoffhrs	0	0 hrs	2	22	78	64	180	58	45	55	mean	- Tricum	5,20	mean	5,20	· · · · · · · · · · · · · · · · · · ·	5/20
off campus	(Recoded version	3	1-5 hrs	0	0	6	5	17	5	5	6							
	of tmworkoff	8	6-10 hrs	1	11	7	6	19	6	5	6							
	created by NSSE.	13	11-15 hrs	1	11	6	5	27	9	10	12							
	Values are	18	16-20 hrs	0	0	12	10	22	7	7	9							
	estimated number of hours per	23	21-25 hrs	2	22	4	3	18	6	3	4							
	week.)	28	26-30 hrs	1	11	4	3	14	5	4	5							
		33	More than 30 hrs	2	22	4	3	13	4	3	4							
			Total	9	100	121	100	310	100	82	100							
Estimated number of hours working for pay	tmworkhrs (Continuous variable created by NSSE)																	
e. Doing community	tmservicehrs	0	0 hrs	6	67	58	48	153	50	35	43							
service or volunteer	(Recoded version	3	1-5 hrs	2	22	41	34	112	36	34	41							
work	of tmservice	8	6-10 hrs	0	0	11	9	22	7	5	6							
	created by NSSE.	13	11-15 hrs	1	11	3	2	8	3	3	4							
	Values are	18	16-20 hrs	0	0	4	3	9	3	3	4							
	estimated number of hours per	23	21-25 hrs	0	0	2	2	3	1	2	2							
	week.)	28	26-30 hrs	0	0	1	1	0	0	0	0							
		33	More than 30 hrs	0	0	1	1	2	1	0	0							
			Total	9	100	121	100	309	100	82	100							
f. Relaxing and	tmrelaxhrs	0	0 hrs	0	0	3	2	8	3	3	4							
socializing (time with	(Recoded version	3	1-5 hrs	3	33	26	21	69	22	17	21							
friends, video games,	of tmrelax created	8	6-10 hrs	2	22	29	24	73	24	16	20							
TV or videos, keeping up with friends online,	by NSSE. Values	13	11-15 hrs	0	0	19	16	69	22	21	26							
etc.)	are estimated	18	16-20 hrs	2	22	20	17	45	15	10	12							
	number of hours per week.)	23	21-25 hrs	1	11	11	9	23	7	5	6							
	pe. ween.	28	26-30 hrs	0	0	1	1	10	3	2	2							
		33	More than 30 hrs	1	11	12	10	13	4	8	10							
			Total	9	100	121	100	310	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stu	idents ^a in					Freque	ncy D	istribution	ıS				Sta	atistical	Compari	sons ^k		
Agri & Natura	al Res													Your fir	st-year stud	ents compa	red with	
				ASU		Southwest F	ublic	Carnegie C	ass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size ⁿ
g. Providing care for	tmcarehrs	0	0 hrs	7	78	99	82	232	75	68	83							
dependents (children,	(Recoded version	3	1-5 hrs	1	11	7	6	29	9	6	7							
parents, etc.)	of tmcare created	8	6-10 hrs	0	0	5	4	8	3	2	2							
	by NSSE. Values	13	11-15 hrs	1	11	4	3	13	4	4	5							
	are estimated	18	16-20 hrs	0	0	3	2	9	3	2	2							
	number of hours per week.)	23	21-25 hrs	0	0	1	1	6	2	0	0							
	per week.)	28	26-30 hrs	0	0	1	1	2	1	0	0							
		33	More than 30 hrs	0	0	1	1	12	4	0	0							
			Total	9	100	121	100	311	100	82	100							
h. Commuting to campus	tmcommutehrs	0	0 hrs	3	33	51	42	118	38	36	44							
(driving, walking, etc.)	(Recoded version	3	1-5 hrs	4	44	41	34	124	40	35	43							
	of tmcommute	8	6-10 hrs	1	11	19	16	29	9	6	7							
	created by NSSE.	13	11-15 hrs	0	0	2	2	18	6	3	4							
	Values are estimated number	18	16-20 hrs	0	0	4	3	8	3	1	1							
	of hours per	23	21-25 hrs	0	0	1	1	8	3	1	1							
	week.)	28	26-30 hrs	0	0	0	0	1	0	0	0							
		33	More than 30 hrs	1	11	3	2	4	1	0	0							
		33	Total	9	100	121	100	310	100	82	100							
16. Of the time you spe	end preparing for	class i							100	02	100							
, , , , , , , , , , , , , , , , , , ,	reading		Very little	3	33	22	18	48	15	15	18							
		2	Some	4	44	39	32	110	35	34	41							
		3	About half	1	11	36	30	98	32	17	21							
		4	Most	1	11	18	15	46	15	12	15							
		5	Almost all	0	0	6	5	9	3	4	5							
		J	Total	9	100	121	100	311	100	82	100							
	tmreadinghrs																	
of tmprephrs bas	able created by NSSE sed on reading, where t half=.50; Most=.75	e Very li	ttle=.10; Some=.25;															



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stu	udents ^a in					Frequer	ncy D	istribution	ıS				St	atistical	Compari	sons ^k		
Agri & Natur	al Res													Your fir	st-year stud	lents compa	red with	
				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	ie Class	SACSCO	C Peers
Item wording	Variable	14-1	7	Count	0/	Count	0/	Count	0/	Count	0/	14		Effect	14	Effect		Effect
or description	name tmreadinghrscol	values 1	n Response options 0 hrs	Count 0	0	Count 0	0	Count 1	0	Count 0	0	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
	(Collapsed version of tmreadinghrs	2	More than zero, up to 5 hrs	7	78	65	54	172	56	48	59							
	created by NSSE.)	3	More than 5, up to 10 hrs	0	0	38	32	88	28	22	27							
		4	More than 10, up to 15 hrs	2	22	5	4	34	11	7	9							
		5	More than 15, up to 20 hrs	0	0	5	4	5	2	1	1							
		6	More than 20, up to 25 hrs	0	0	6	5	7	2	3	4							
		7	More than 25 hrs	0	0	1	1	2	1	0	0							
			Total	9	100	120	100	309	100	81	100							
17. How much has you	ur experience at th	is inst		your knowled	lge, sk	ills, and per	sonal	developmen	t in th	e following	areas?	•						
a. Writing clearly and	pgwrite	1	Very little	1	11	9	7	28	9	10	12							
effectively		2	Some	5	56	36	30	85	27	26	32							
		3	Quite a bit	2	22	55	45	135	44	35	43							
		4	Very much	1	11	21	17	62	20	10	12							
			Total	9	100	121	100	310	100	81	100							
b. Speaking clearly and	pgspeak	1	Very little	1	11	10	8	22	7	5	6							
effectively		2	Some	2	22	40	33	109	35	25	30							
		3	Quite a bit	5	56	55	45	121	39	43	52							
		4	Very much	1	11	16	13	58	19	9	11							
			Total	9	100	121	100	310	100	82	100							
c. Thinking critically and	pgthink	1	Very little	1	11	4	3	10	3	3	4							
analytically		2	Some	2	22	27	23	75	24	17	21							
		3	Quite a bit	4	44	58	48	138	44	41	51							
		4	Very much	2	22	31	26	88	28	20	25							
			Total	9	100	120	100	311	100	81	100							
d. Analyzing numerical	pganalyze	1	Very little	0	0	10	8	20	6	5	6							
and statistical		2	Some	5	56	40	33	121	39	32	40							
information		3	Quite a bit	3	33	51	42	113	37	28	35							
		4	Very much	1	11	20	17	55	18	16	20							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year St	udents ^a in	1			Freque	ncy Di	istributior	ıs				Sta	atistical (Comparis	sons ^k		
Agri & Natu	ral Res												Your fir	st-year stud	ents compa	red with	
			ASU		Southwest F	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
		Total	9	100	121	100	309	100	81	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year Stud	dents ^a in					Frequen	cy D	istribution	ıS				Sta	atistical (Compari	sons ^k		
Agri & Natura	l Res													Your fir	st-year stud	ents compa	red with	
				ASU	S	outhwest Pu	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ¹	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
e. Acquiring job- or work-	pgwork	1	Very little	0	0	16	13	41	13	10	12	mean	· · · · · · · · · · · · · · · · · · ·	3120	mean	5,20	mean	5/20
related knowledge and skills		2	Some	4	44	32	26	81	26	18	22							
SKIIIS		3	Quite a bit	2	22	53	44	130	42	39	48							
		4	Very much	3	33	20	17	58	19	14	17							
			Total	9	100	121	100	310	100	81	100							
f. Working effectively	pgothers	1	Very little	0	0	7	6	18	6	6	7							
with others		2	Some	3	33	33	27	78	25	22	27							
		3	Quite a bit	5	56	58	48	149	48	40	49							
		4	Very much	1	11	23	19	63	20	13	16							
			Total	9	100	121	100	308	100	81	100							
g. Developing or	pgvalues	1	Very little	1	11	20	17	36	12	12	15							
clarifying a personal code of values and		2	Some	4	44	29	24	77	25	21	26							
ethics		3	Quite a bit	2	22	52	43	134	43	39	48							
		4	Very much	2	22	19	16	62	20	9	11							
			Total	9	100	120	100	309	100	81	100							
h. Understanding people	pgdiverse	1	Very little	1	11	14	12	26	8	7	9							
of other backgrounds (economic,		2	Some	3	33	32	26	90	29	32	40							
racial/ethnic, political,		3	Quite a bit	4	44	52	43	121	39	29	36							
religious, nationality,		4	Very much	1	11	23	19	70	23	13	16							
etc.)			Total	9	100	121	100	307	100	81	100							
i. Solving complex real-	pgprobsolve	1	Very little	0	0	11	9	29	9	10	13							
world problems		2	Some	3	33	41	34	82	27	22	28							
		3	Quite a bit	6	67	49	41	141	46	33	41							
		4	Very much	0	0	19	16	54	18	15	19							
			Total	9	100	120	100	306	100	80	100							
j. Being an informed and	pgcitizen	1	Very little	1	11	13	11	31	10	8	10							
active citizen		2	Some	3	33	33	27	84	27	28	35							
		3	Quite a bit	5	56	53	44	135	44	33	41							
		4	Very much	0	0	22	18	58	19	12	15							
			Total	9	100	121	100	308	100	81	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

First-Year St	udents ^a in					Freque	ncy D	istribution	าร				St	atistical	Compari	sons ^k		
Agri & Natur	al Res													Your fi	st-year stud	ents compa	red with	
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size "
18. How would you ev	valuate your entii	e educa	tional experience at th	is institution	?													
	evalexp	1	Poor	0	0	0	0	8	3	1	1							
		2	Fair	1	11	18	15	37	12	12	15							
	3 Good					55	45	155	50	40	49							
	4 Excellent					48	40	111	36	28	35							
	Total				100	121	100	311	100	81	100							
19. If you could start	over again, would	d you go	to the same institution	you are nov	v atte	ending?												
	sameinst	1	Definitely no	0	0	5	4	12	4	2	2							
		2	Probably no	2	22	16	13	45	15	14	17							
		3	Probably yes	2	22	43	36	107	35	25	31							
		4	Definitely yes	5	56	57	47	146	47	40	49							
			Total	9	100	121	100	310	100	81	100							
20. Do you intend to 1	return to this inst	itution 1	next year? ^f															
	returnexp		No	0	0	6	5	19	6	6	7							
(Means indica	ite the percentage wh		Yes	7	78	105	87	270	86	67	82							
	responded "Yes."	9	Not sure	2	22	10	8	25	8	9	11							
			Total	9	100	121	100	314	100	82	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

eniors ^a in						Frequer	ncy D	istribution	S				St	atistical	Compari	sons ^k		
Agri & Natura	l Res													Y	our seniors o	ompared w	ith	
				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ["]	' Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size "
During the current s	chool year, abou	t how o	often have you done the	following?														
a. Asked questions or	askquest	1	Never	0	0	5	2	13	3	4	4							
contributed to course discussions in other		2	Sometimes	1	11	53	26	105	25	25	26							
ways		3	Often	6	67	75	37	147	36	38	40							
,-		4	Very often	2	22	71	35	147	36	28	29							
			Total	9	100	204	100	412	100	95	100							
Prepared two or more	drafts	1	Never	1	11	54	26	100	24	25	26							
drafts of a paper or		2	Sometimes	3	33	64	31	147	36	34	35							
assignment before turning it in		3	Often	3	33	58	28	104	25	22	23							
		4	Very often	2	22	28	14	59	14	15	16							
			Total	9	100	204	100	410	100	96	100							
c. Come to class without	unpreparedr	1	Very often	0	0	18	9	22	5	7	7							
completing readings or	(Reverse-coded	2	Often	1	11	28	14	51	12	12	13							
assignments	version of	3	Sometimes	6	67	111	54	217	53	54	56							
	unprepared created by NSSE.)	4	Never	2	22	47	23	120	29	23	24							
	Dy NSSE.)		Total	9	100	204	100	410	100	96	100							
d. Attended an art exhibit,	attendart	1	Never	6	67	107	52	198	48	67	70							
play, or other arts		2	Sometimes	2	22	75	37	140	34	23	24							
performance (dance, music, etc.)		3	Often	0	0	17	8	59	14	5	5							
masic, etc.)		4	Very often	1	11	6	3	15	4	1	1							
			Total	9	100	205	100	412	100	96	100							
e. Asked another student	CLaskhelp	1	Never	0	0	15	7	42	10	11	11							
to help you understand		2	Sometimes	3	33	84	41	162	39	35	36							
course material		3	Often	3	33	70	34	149	36	34	35							
		4	Very often	3	33	36	18	60	15	16	17							
			Total	9	100	205	100	413	100	96	100							
f. Explained course	CLexplain	1	Never	0	0	8	4	19	5	5	5							
material to one or more		2	Sometimes	1	11	64	31	128	31	31	32							
students		3	Often	4	44	81	40	168	41	33	34							
		4	Very often	4	44	52	25	98	24	27	28							
			Total	9	100	205	100	413	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequen	cy D	istribution	S				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res													Yo	our seniors o	ompared w	rith	
				ASU	S	outhwest Pu	ıblic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values'	⁷ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
g. Prepared for exams by	CLstudy	1	Never	0	0	30	15	58	14	13	14							
discussing or working		2	Sometimes	2	22	60	29	144	35	33	35							
through course material with other students		3	Often	2	22	74	36	139	34	31	33							
with other students		4	Very often	5	56	41	20	70	17	18	19							
			Total	9	100	205	100	411	100	95	100							
h. Worked with other	CLproject	1	Never	1	11	8	4	26	6	9	9							
students on course		2	Sometimes	0	0	44	22	109	27	30	31							
projects or assignments		3	Often	6	67	94	46	182	44	40	42							
		4	Very often	2	22	58	28	94	23	17	18							
			Total	9	100	204	100	411	100	96	100							
i. Given a course	present	1	Never	0	0	12	6	28	7	7	7							
presentation		2	Sometimes	3	33	66	32	113	27	39	41							
		3	Often	4	44	72	35	160	39	27	28							
		4	Very often	2	22	55	27	112	27	23	24							
			Total	9	100	205	100	413	100	96	100							
2. During the current sch	nool vear abo	ut how a	often have you done th	e following?														
a. Combined ideas from	RIintegrate	1	Never	0	0	7	3	21	5	8	8							
different courses when		2	Sometimes	4	44	47	23	101	25	28	29							
completing assignments		3	Often	2	22	79	39	177	43	35	36							
		4	Very often	3	33	72	35	113	27	25	26							
			Total	9	100	205	100	412	100	96	100							
b. Connected your	RIsocietal	1	Never	2	22	14	7	24	6	8	8							
learning to societal		2	Sometimes	3	33	79	39	127	31	43	45							
problems or issues		3	Often	0	0	62	30	157	38	26	27							
		4	Very often	4	44	50	24	104	25	19	20							
		•	Total	9	100		100	412	100	96	100							
c. Included diverse	RIdiverse	1	Never	2	22	35	17	61	15	23	24							
perspectives (political,		2	Sometimes	3	33	88	43	167	40	47	49							
religious, racial/ethnic,		3	Often	2	22	52	25	122	30	17	18							
gender, etc.) in course discussions or		4	Very often	2	22	30	15	63	15	9	9							
assignments		4	Total	9	100		100	413	100	96	100							
			ı otal	9	100	203	100	413	100	90	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequer	ncy D	istributior	ıs				Sta	atistical	Compari	sons ^k		
Agri & Natural	Res													Y	our seniors o	ompared w	vith	
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable name ^l				%		0.4		2/					Effect size "		Effect size "		Effect size "
or description d. Examined the strengths	RIownview	Values ⁿ	Response options Never	Count 1	11	Count 11	5	Count 25	6	Count 8	8	Mean	Mean	size	Mean	size	Mean	size
and weaknesses of your		2	Sometimes	2	22	62	30	115	28	31	32							
own views on a topic or issue		3	Often	5	56	85	41	184	45	38	40							
or issue		4	Very often	1	11	47	23	87	21	19	20							
			Total	9	100	205	100	411	100	96	100							
e. Tried to better	RIperspect	1	Never	0	0	7	3	18	4	5	5							
understand someone		2	Sometimes	3	33	60	29	104	25	26	27							
else's views by imagining how an issue		3	Often	3	33	91	44	194	47	46	48							
looks from their		4	Very often	3	33	47	23	95	23	19	20							
perspective			Total	9	100	205	100	411	100	96	100							
f. Learned something that	RInewview	1	Never	0	0	2	1	11	3	1	1							
changed the way you understand an issue or		2	Sometimes	4	44	71	35	114	28	37	39							
concept		3	Often	3	33	90	44	183	45	39	41							
•		4	Very often	2	22	42	20	101	25	18	19							
			Total	9	100	205	100	409	100	95	100							
g. Connected ideas from	RIconnect	1	Never	0	0	1	0	8	2	0	0							
your courses to your prior experiences and		2	Sometimes	2	22	27	13	66	16	21	22							
knowledge		3	Often	3	33	105	51	200	49	49	52							
		4	Very often	4	44	71	35	138	33	25	26							
			Total	9	100	204	100	412	100	95	100							
3. During the current sch	-	ut how o																
Talked about career plans with a faculty	SFcareer	1	Never	0	0	16	8	46	11	9	9							
member		2	Sometimes	2	22	71	35	137	33	31	32							
		3	Often	6	67	63	31	131	32	31	32							
		4	Very often	1	11	55	27	97	24	25	26							
			Total	9	100	205	100	411	100	96	100							
 Worked with a faculty member on activities 	SFotherwork	1	Never	1	11	49	24	102	25	20	21							
other than coursework		2	Sometimes	4	44	65	32	148	36	37	39							
(committees, student		3	Often	1	11	47	23	96	24	21	22							
groups, etc.)		4	Very often	3	33	44	21	62	15	17	18							
			Total	9	100	205	100	408	100	95	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequen	cy D	istribution	S				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res													Y	our seniors o	ompared w	rith	
· ·				ASU	Sc	outhwest Pu	ublic	Carnegie Cl	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values	^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size "	Mean	Effect size "
c. Discussed course	SFdiscuss	1	Never	0	0	35	17	67	16	15	16							
topics, ideas, or		2	Sometimes	3	33	86	42	175	42	38	40							
concepts with a faculty member outside of		3	Often	4	44	50	24	106	26	28	29							
class		4	Very often	2	22	34	17	65	16	15	16							
			Total	9	100	205	100	413	100	96	100							
d. Discussed your	SFperform	1	Never	0	0	34	17	59	14	13	14							
academic performance		2	Sometimes	4	44	88	43	181	44	45	47							
with a faculty member		3	Often	3	33	52	25	116	28	27	28							
		4	Very often	2	22	31	15	55	13	11	11							
			Total	9	100	205	100	411	100	96	100							
During the current sch	nool year, how	much l	nas your coursework e	mphasized th	e follow	ing?												
a. Memorizing course	memorize	1	-	0	0	9	4	29	7	1	1							
material		2	Some	2	22	54	26	118	29	31	32							
		3	Quite a bit	4	44	94	46	172	42	50	52							
		4	Very much	3	33	48	23	91	22	14	15							
			Total	9	100	205	100	410	100	96	100							
b. Applying facts,	HOapply	1	Very little	0	0	2	1	15	4	3	3							
theories, or methods to		2	Some	1	11	52	25	104	25	30	31							
practical problems or new situations		3	Quite a bit	6	67	91	45	196	48	45	47							
new situations		4	Very much	2	22	59	29	96	23	18	19							
			Total	9	100	204	100	411	100	96	100							
c. Analyzing an idea,	HOanalyze	1	Very little	0	0	3	1	26	6	5	5							
experience, or line of		2	Some	2	22	60	29	106	26	33	34							
reasoning in depth by examining its parts		3	Quite a bit	5	56	94	46	186	45	43	45							
examining its parts		4	Very much	2	22	48	23	91	22	15	16							
			Total	9	100	205	100	409	100	96	100							
d. Evaluating a point of	HOevaluate	1	Very little	0	0	13	6	23	6	8	8							
view, decision, or		2	Some	2	22	54	26	100	24	36	38							
information source		3	Quite a bit	7	78	94	46	202	49	37	39							
		4	Very much	0	0	44	21	84	21	15	16							
			Total	9	100	205	100	409	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in			Freque	ncy D	istribution	S				Sta	atistical	Compari	sons ^k					
Agri & Natural	Res													Y	our seniors o	ompared w	ith	
				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable													Effect		Effect		Effect
e. Forming a new idea or	name ' HOform	Values ⁿ	Very little	Count 0	0	Count 7	3	Count 24	6	Count 3	3	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
understanding from	HOIOIII	2	Some	4	44	58	28	105	26	35	36							
various pieces of		3	Quite a bit	4	44	89	43	192	47	38	40							
information		4	Very much	1	11	51	25	89	22	20	21							
			Total	9	100	205	100	410	100	96	100							
5 D 1 - 4 - 4 - 4 - 1		1 4 4							100									
 During the current sch a. Clearly explained 	ETgoals	nat exte		ors done the 1	onow 0	ing:	2	10	2	3	3							
course goals and	Ergoals	2	Some	1	11	29	14	78	19	18	19							
requirements		3	Quite a bit	6	67	97	48	186	45	48	50							
		4	Very much	2	22	74	36	136	33	27	28							
		7	Total	9	100	204	100	410	100	96	100							
b. Taught course sessions	ETorganize	1	Very little	0	0	6	3	14	3	4	4							
in an organized way		2	Some	2	22	33	16	89	22	20	21							
		3	Quite a bit	3	33	99	48	188	46	49	51							
		4	Very much	4	44	67	33	118	29	23	24							
			Total	9	100	205	100	409	100	96	100							
c. Used examples or	ETexample	1	Very little	0	0	3	1	14	3	2	2							
illustrations to explain		2	Some	0	0	31	15	72	18	22	23							
difficult points		3	Quite a bit	5	56	96	47	177	43	47	49							
		4	Very much	4	44	75	37	147	36	25	26							
			Total	9	100	205	100	410	100	96	100							
d. Provided feedback on a	ETdraftfb	1	Very little	0	0	20	10	43	10	16	17							
draft or work in		2	Some	1	11	55	27	125	30	31	32							
progress		3	Quite a bit	3	33	70	35	148	36	32	33							
		4	Very much	5	56	57	28	95	23	17	18							
			Total	9	100	202	100	411	100	96	100							
e. Provided prompt and	ETfeedback	1	Very little	0	0	10	5	39	10	9	9							
detailed feedback on tests or completed		2	Some	1	11	60	29	121	30	29	31							
assignments		3	Quite a bit	3	33	85	41	161	39	34	36							
S		4	Very much	5	56	50	24	87	21	23	24							
			Total	9	100	205	100	408	100	95	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequer	ncy D	istribution	S				Sta	atistical	Compari	sons ^k		
Agri & Natura	l Res													Y	our seniors o	compared w	ith	
				ASU	S	outhwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size ⁿ
6. During the current so	chool year, abou	t how o	ften have you done th	e following?														
a. Reached conclusions	QRconclude	1	Never	0	0	18	9	33	8	6	6							
based on your own		2	Sometimes	6	67	70	34	148	36	31	32							
analysis of numerical information (numbers,		3	Often	2	22	88	43	163	40	42	44							
graphs, statistics, etc.)		4	Very often	1	11	29	14	65	16	17	18							
51, , ,			Total	9	100	205	100	409	100	96	100							
b. Used numerical	QRproblem	1	Never	2	22	25	12	47	12	12	13							
information to examine		2	Sometimes	4	44	68	33	130	32	36	38							
a real-world problem or		3	Often	2	22	77	38	156	38	32	34							
issue (unemployment, climate change, public		4	Very often	1	11	34	17	74	18	15	16							
health, etc.)			Total	9	100	204	100	407	100	95	100							
								,										
c. Evaluated what others	QRevaluate	1	Never	1	11	22	11	41	10	12	13							
have concluded from		2	Sometimes	6	67	72	36	169	41	38	40							
numerical information		3	Often	2	22	81	40	141	34	33	35							
		4	Very often	0	0	27	13	60	15	12	13							
			Total	9	100	202	100	411	100	95	100							
7. During the current so	chool year, abou	t how r	nany papers, reports,	or other writ	ing task	s of the fol	llowin	g lengths ha	ve yo	u been assigi	ned? (1	Include those not	yet compl	leted.)				
a. Up to 5 pages	wrshortnum	0	None	1	11	20	10	27	7	12	13							
	(Recoded version	1.5	1-2	2	22	42	20	76	19	27	28							
	of wrshort created	4	3-5	1	11	59	29	117	29	28	29							
	by NSSE. Values	8	6-10	2	22	46	22	92	22	14	15							
	are estimated number of papers,	13	11-15	2	22	17	8	54	13	10	10							
	reports, etc.)	18	16-20	0	0	8	4	16	4	3	3							
	•	23	More than 20	1	11	13	6	27	7	2	2							
			Total	9	100	205	100	409	100	96	100							
b. Between 6 and 10	wrmednum	0	None	5	56	60	29	100	25	39	41							
pages	(Recoded version	1.5	1-2	2	22	85	41	150	37	34	35							
	of wrmed created	4	3-5	2	22	38	19	97	24	17	18							
	by NSSE. Values	8	6-10	0	0	16	8	44	11	2	2							
	are estimated	13	11-15	0	0	5	2	8	2	1	1							
	number of papers, reports, etc.)	18	16-20	0	0	1	0	5	1	3	3							
	. cp 0. 10, cic.)																	



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Freque	ncy Di	stribution	ıS				Sta	atistical (Compari	sons ^k		
Agri & Natur	ral Res												Y	our seniors c	ompared w	vith	
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable		-							,			Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size n	Mean	size n	Mean	size n
		23 More than 20	0	0	0	0	4	1	0	0			_				
		Total	9	100	205	100	408	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in																		
seniors in						Frequer	ncy D	istributior	ıs				Sta	atistical (Comparis	ons ^k		
Agri & Natura	al Res													Y	our seniors co	ompared w	ith	
_				ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegie	e Class	SACSCO	C Peers
Item wording	Variable		_											Effect		Effect		Effect
or description	name '	Values"	Response options None	Count 6	67	Count 121	59	Count 198	49	Count 54	57	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size '
c. 11 pages or more	wrlongnum		1-2	2	22	62	39	154	38	32	34							
	(Recoded version of wrlong created	1.5	3-5	1	11	11	5	31	8	4								
	by NSSE. Values	4	6-10	0	0	6	3	8	2	2	4 2							
	are estimated				0	4	2	8 7	2	1								
	number of papers, reports, etc.)	13	11-15 16-20	0	0	0	0	5		1	1							
	reports, etc.)	18			0	0		5	1	_	1							
		23	More than 20 Total	0	100	204	0 100	408	1 100	1 95	1 100							
Estimated number of assigned pages of	wrpages		Total	,	100	204	100	400	100		100							
student writing.	from wrshort, wrme estimated pages of a	ed, and																
D 1 4			6 1 1 1 1			e 41 e	. 11	0										
_	-		often have you had disc						0	Q	· ·							
a. People of a race or ethnicity other than	school year, about DDrace	1	Never	1	11	12	6	36	9	8	8							
a. People of a race or	-	1 2	Never Sometimes	1 1	11 11	12 56	6 27	36 116	29	34	35							
a. People of a race or ethnicity other than	-	1 2 3	Never Sometimes Often	1 1 5	11 11 56	12 56 76	6 27 37	36 116 135	29 33	34 33	35 34							
a. People of a race or ethnicity other than	-	1 2	Never Sometimes Often Very often	1 1 5 2	11 11 56 22	12 56 76 61	6 27 37 30	36 116 135 120	29 33 29	34 33 21	35 34 22							
People of a race or ethnicity other than your own	DDrace	1 2 3 4	Never Sometimes Often Very often Total	1 1 5 2 9	11 11 56 22 100	12 56 76 61 205	6 27 37 30 100	36 116 135 120 407	29 33 29 100	34 33 21 96	35 34 22 100							
a. People of a race or ethnicity other than	-	1 2 3 4	Never Sometimes Often Very often Total Never	1 1 5 2	11 11 56 22 100	12 56 76 61 205	6 27 37 30 100	36 116 135 120 407	29 33 29 100	34 33 21 96 3	35 34 22 100 3							
a. People of a race or ethnicity other than your own b. People from an	DDrace	1 2 3 4	Never Sometimes Often Very often Total Never Sometimes	1 1 5 2 9 1	11 11 56 22 100	12 56 76 61 205 7 52	6 27 37 30 100 3 25	36 116 135 120 407 25 90	29 33 29 100 6 22	34 33 21 96 3 27	35 34 22 100 3 28							
a. People of a race or ethnicity other than your own b. People from an economic background	DDrace	1 2 3 4	Never Sometimes Often Very often Total Never Sometimes Often	1 1 5 2 9 1 1 5	11 11 56 22 100 11 11 56	12 56 76 61 205 7 52 86	6 27 37 30 100 3 25 42	36 116 135 120 407 25 90 160	29 33 29 100 6 22 39	34 33 21 96 3 27 45	35 34 22 100 3 28 47							
a. People of a race or ethnicity other than your own b. People from an economic background	DDrace	1 2 3 4	Never Sometimes Often Very often Total Never Sometimes	1 1 5 2 9 1	11 11 56 22 100	12 56 76 61 205 7 52	6 27 37 30 100 3 25	36 116 135 120 407 25 90 160	29 33 29 100 6 22	34 33 21 96 3 27	35 34 22 100 3 28							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own	DDrace	1 2 3 4	Never Sometimes Often Very often Total Never Sometimes Often Very often	1 1 5 2 9 1 1 1 5 2	11 11 56 22 100 11 11 56 22	12 56 76 61 205 7 52 86 60	6 27 37 30 100 3 25 42 29	36 116 135 120 407 25 90 160	29 33 29 100 6 22 39 33	34 33 21 96 3 27 45 21	35 34 22 100 3 28 47 22							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious beliefs other than your	DDrace	1 2 3 4 1 2 3 4	Never Sometimes Often Very often Total Never Sometimes Often Very often Total	1 1 5 2 9 1 1 5 2 9	11 11 56 22 100 11 11 56 22 100	12 56 76 61 205 7 52 86 60 205	6 27 37 30 100 3 25 42 29	36 116 135 120 407 25 90 160 134 409	29 33 29 100 6 22 39 33 100	34 33 21 96 3 27 45 21 96	35 34 22 100 3 28 47 22 100							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious	DDrace	1 2 3 4 1 2 3 4	Never Sometimes Often Very often Total Never Sometimes Often Very often Total Never	1 1 5 2 9 1 1 5 2 9	11 11 56 22 100 11 11 56 22 100	12 56 76 61 205 7 52 86 60 205	6 27 37 30 100 3 25 42 29 100 8	36 116 135 120 407 25 90 160 134 409	29 33 29 100 6 22 39 33 100	34 33 21 96 3 27 45 21 96	35 34 22 100 3 28 47 22 100							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious beliefs other than your	DDrace	1 2 3 4	Never Sometimes Often Very often Total Never Sometimes Often Very often Total Never Sometimes Sometimes	1 1 5 2 9 1 1 5 2 9 1 1 4	11 11 56 22 100 11 11 56 22 100	12 56 76 61 205 7 52 86 60 205	6 27 37 30 100 3 25 42 29 100 8 28	36 116 135 120 407 25 90 160 134 409 37	29 33 29 100 6 22 39 33 100 9	34 33 21 96 3 27 45 21 96 9	35 34 22 100 3 28 47 22 100 9 34							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious beliefs other than your	DDrace	1 2 3 4 1 2 3 4 1 2 3 3	Never Sometimes Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Often Often Often Often Often Often	1 1 5 2 9 1 1 5 2 9 1 4 4 2	11 11 56 22 100 11 11 56 22 100 11 44 22	12 56 76 61 205 7 52 86 60 205 17 57	6 27 37 30 100 3 25 42 29 100 8 28	36 116 135 120 407 25 90 160 134 409 37 124 129	29 33 29 100 6 22 39 33 100 9 30 32	34 33 21 96 3 27 45 21 96 9 33 30	35 34 22 100 3 28 47 22 100 9 34 31							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious beliefs other than your	DDrace	1 2 3 4 1 2 3 4 1 2 3 3	Never Sometimes Often Very often Total Never Sometimes Often Very often Total Never Sometimes Often Very often Total Very often Very often Very often Very often	1 1 5 2 9 1 1 5 2 9 9 1 4 4 2 2 2	11 11 56 22 100 11 11 56 22 100 11 44 22 22	12 56 76 61 205 7 52 86 60 205 17 57 71 59	6 27 37 30 100 3 25 42 29 100 8 28 35 29	36 116 135 120 407 25 90 160 134 409 37 124 129 119	29 33 29 100 6 22 39 33 100 9 30 32 29	34 33 21 96 3 27 45 21 96 9 33 30 24	35 34 22 100 3 28 47 22 100 9 34 31 25							
a. People of a race or ethnicity other than your own b. People from an economic background other than your own c. People with religious beliefs other than your own	DDeconomic DDreligion	1 2 3 4 1 2 3 4 4 3 4	Never Sometimes Often Very often Total Total Never	1 1 5 2 9 1 1 5 2 9 1 4 2 2 9	11 11 56 22 100 11 11 56 22 100 11 44 22 22	12 56 76 61 205 7 52 86 60 205 17 57 71 59	6 27 37 30 100 3 25 42 29 100 8 28 35 29 100	36 116 135 120 407 25 90 160 134 409 37 124 129 119 409	29 33 29 100 6 22 39 33 100 9 30 32 29 100	34 33 21 96 3 27 45 21 96 9 33 30 24	35 34 22 100 3 28 47 22 100 9 34 31 25 100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Freque	ncy Di	stribution	ıS			-	Sta	atistical (Comparis	sons ^k		
Agri & Natur	al Res												Y	our seniors c	ompared w	rith	
			ASU		Southwest F	ublic	Carnegie C	ass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi		SACSCO	
Item wording	Variable												Effect		Effect		Effect
or description	name'	Values ^m Response options	Count	%		%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size ⁿ
		4 Very often	2	22	64	31	128	31	25	26							
		Total	9	100	205	100	411	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Freque	ncy D	istribution	ıs				Sta	atistical (Compari	sons ^k		
Agri & Natural	Res													Y	our seniors o	ompared w	ith	
				ASU	S	outhwest P	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values ⁿ	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size "
D. During the current sch	hool year, abo	ut how o	often have you done th	e following?							<u> </u>							
a. Identified key	LSreading	1	Never	0	0	3	1	13	3	2	2							
information from		2	Sometimes	1	11	42	20	90	22	32	33							
reading assignments		3	Often	6	67	103	50	181	44	44	46							
		4	Very often	2	22	57	28	126	31	18	19							
			Total	9	100	205	100	410	100	96	100							
b. Reviewed your notes	LSnotes	1	Never	1	11	16	8	43	10	5	5							
after class		2	Sometimes	0	0	60	29	126	31	27	28							
		3	Often	2	22	68	33	130	32	38	40							
		4	Very often	6	67	61	30	111	27	26	27							
			Total	9	100	205	100	410	100	96	100							
c. Summarized what you	LSsummary	1	Never	0	0	16	8	32	8	6	6							
learned in class or from		2	Sometimes	2	22	59	29	132	32	32	33							
course materials		3	Often	2	22	85	41	156	38	43	45							
		4	Very often	5	56	45	22	89	22	15	16							
			Total	9	100	205	100	409	100	96	100							
0. During the current so	chool year, to	what ex	tent have your courses	challenged y	ou to d	o your bes	t work	x ?										
, and the second	challenge	1		0	0	0	0	3	1	0	0							
		2		0	0	2	1	8	2	0	0							
		3		0	0	6	3	24	6	5	5							
		4		1	11	31	15	51	13	15	16							
		5		1	11	67	33	138	34	42	44							
		6		2	22	48	24	101	25	21	22							
		7	Very much	5	56	50	25	83	20	12	13							
			Total	9	100	204	100	408	100	95	100							
1. Which of the following	ng have you do	one or d	o you plan to do befor	e you gradua	te?°													
a. Participate in an	intern		Have not decided	2	22	10	5	31	8	4	4							
internship, co-op, field	(Means indicate		Do not plan to do	1	11	29	14	43	11	9	9							
experience, student teaching, or clinical	the percentage		Plan to do	2	22	37	18	88	22	22	23							
placement	who responded "Done or in		Done or in progress	4	44	129	63	247	60	61	64							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Frequer	ncy Dis	tribution	ıS				Sta	atistical (Comparis	ons ^k		
Agri & Natu	ral Res												Yo	our seniors co	ompared w	ith	
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegie	Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size "	Mean	size "	Mean	size n
	progress.")	Total	9	100	205	100	409	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequ	ency [Distributio	าร				St	atistical	Compari	sons ^k		
Agri & Natura	l Res													Y	our seniors (compared w	ith	
				ASU		Southwest	Public	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable		_											Effect		Effect		Effect
or description b. Hold a formal	name leader	Values	Response options Have not decided	Count 0	9	6 Coun 0 2'			9	Count 12	13	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
leadership role in a			Do not plan to do	4	4				40		38							
student organization or	(Means indicate the percentage		Plan to do	1	1				8		13							
group	who responded		Done or in progress	4	4				43	36	38							
	"Done or in		Total	9	10				100		100							
	progress.")			9	10	0 204	100	400	100	90	100							
c. Participate in a learning	learncom		Have not decided	3	3.	3 29	14	51	12	15	16							
community or some other formal program	(Means indicate		Do not plan to do	5	5	6 109	53	203	50	52	54							
where groups of	the percentage		Plan to do	0		0 1	7 8	59	14	12	13							
students take two or	who responded "Done or in		Done or in progress	1	1	1 50	24	96	23	17	18							
more classes together	progress.")		Total	9	10	0 20:	100	409	100	96	100							
d. Participate in a study	abroad		Have not decided	1	1	1 2:	3 11	38	9	10	11							
abroad program	(Means indicate		Do not plan to do	5	5	6 130	66	268	66	62	65							
	the percentage		Plan to do	2	2	2 18	9	37	9	9	9							
	who responded "Done or in		Done or in progress	1	1	1 28	3 14	66	16	14	15							
	progress.")		Total	9	10	0 20:	100	409	100	95	100							
e. Work with a faculty	research		Have not decided	0		0 2'	13	55	14	15	16							
member on a research	(Means indicate		Do not plan to do	5	5	6 8:	3 41	160	39	40	42							
project	the percentage		Plan to do	2	2	2 2	13	45	11	15	16							
	who responded "Done or in		Done or in progress	2	2	2 6	33	146	36	25	26							
	progress.")		Total	9	10	0 20-	100	406	100	95	100							
f. Complete a culminating	capstone		Have not decided	2	2	2 29	14	33	8	16	17							
senior experience	(Means indicate		Do not plan to do	4	4	4 5:	3 26	96	24	27	28							
(capstone course, senior project or thesis,	the percentage		Plan to do	1	1	1 4'	23	74	18	22	23							
comprehensive exam,	who responded		Done or in progress	2	2	2 7:	37	205	50	31	32							
portfolio, etc.)	"Done or in progress.")		Total	9	10	0 204	100	408	100	96	100							
12. About how many of	vour courses at	this in	stitution have included	a communit	v-ba	sed project	(servic	e-learning)?										
	servcourse	1	None	3	3		•	136	33	42	45							
		2	Some	5	5	6 10	3 53	220	54	38	40							
		3	Most	1	1			46	11	12	13							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Freque	ncv Di	stribution	ıs				Sta	atistical (Compari	sons ^k		
Agri & Natur	al Res				1	- 7								our seniors o		rith	
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC PO	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size n	Mean	size "	Mean	size n
		4 All	0	0	8	4	7	2	2	2			_				
		Total	9	100	205	100	409	100	94	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Frequer	ncy D	istributior	ıs				St	atistical	Compari	sons ^k		
Agri & Natura	al Res												Y	our seniors (compared w	rith	
			ASU	9	Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	est Public	Carneg	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size ⁿ
13. Indicate the quality	of your interac	tions with the following	people at your insti	tution													
a. Students	QIstudent	1 Poor	0	0	0	0	5	1	1	1							
		2	0	0	1	0	9	2	2	2							
		3	0	0	10	5	22	5	8	8							
		4	0	0	27	13	37	9	11	11							
		5	2	22	54	26	119	29	27	28							
		6	5	56	47	23	102	25	23	24							
		7 Excellent	2	22	65	32	113	28	24	25							
		 Not applicable 	0	0	1	0	2	0	0	0							
		Total	9	100	205	100	409	100	96	100							
b. Academic advisors	QIadvisor	1 Poor	0	0	2	1	7	2	0	0							
		2	0	0	7	3	11	3	7	7							
		3	0	0	11	5	26	6	4	4							
		4	1	11	26	13	44	11	7	7							
		5	1	11	37	18	79	19	18	19							
		6	2	22	35	17	97	24	20	21							
		7 Excellent	5	56	85	41	143	35	40	42							
		 Not applicable 	0	0	2	1	3	1	0	0							
		Total	9	100	205	100	410	100	96	100							
c. Faculty	QIfaculty	1 Poor	0	0	0	0	4	1	0	0							
		2	0	0	2	1	6	1	1	1							
		3	0	0	9	4	26	6	7	7							
		4	0	0	25	12	46	11	10	11							
		5	1	11	49	24	102	25	27	28							
		6	2	22	54	26	105	26	28	29							
		7 Excellent	6	67	65	32	114	28	22	23							
		 Not applicable 	0	0	1	0	4	1	0	0							
		Total	9	100	205	100	407	100	95	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequen	icy D	istribution	S				Sta	atistical	Compari	sons ^k		
Agri & Natural	Res													Y	our seniors o	ompared w	ith	
				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ⁿ	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size ⁿ
d. Student services staff	QIstaff	1	Poor	0	0	6	3	21	5	2	2							
(career services,		2		0	0	9	4	9	2	6	6							
student activities, housing, etc.)		3		0	0	15	7	33	8	8	8							
nousing, etc.)		4		1	11	34	17	58	14	17	18							
		5		1	11	48	23	95	23	22	23							
		6		3	33	25	12	75	18	13	14							
		7	Excellent	3	33	35	17	77	19	19	20							
		_	Not applicable	1	11	33	16	41	10	9	9							
			Total	9	100	205	100	409	100	96	100							
e. Other administrative	QIadmin	1	Poor	0	0	12	6	21	5	5	5							
staff and offices		2		0	0	9	4	25	6	9	10							
(registrar, financial aid, etc.)		3		0	0	21	10	44	11	14	15							
eic.)		4		2	22	41	20	59	15	15	16							
		5		1	11	36	18	85	21	15	16							
		6		1	11	27	13	74	18	14	15							
		7	Excellent	5	56	46	23	89	22	19	20							
		_	Not applicable	0	0	11	5	9	2	3	3							
			Total	9	100	203	100	406	100	94	100							
14. How much does your	institution en	nphasize	the following?															
a. Spending significant	empstudy	1	Very little	0	0	5	2	13	3	3	3							
amounts of time		2	Some	1	11	54	26	105	26	33	34							
studying and on academic work		3	Quite a bit	5	56	96	47	189	46	41	43							
deddenie work		4	Very much	3	33	50	24	103	25	19	20							
			Total	9	100	205	100	410	100	96	100							
b. Providing support to	SEacademic	1	Very little	0	0	9	4	17	4	2	2							
help students succeed		2	Some	2	22	40	20	97	24	25	26							
academically		3	Quite a bit	2	22	96	47	192	47	48	51							
		4	Very much	5	56	59	29	101	25	20	21							
			Total	9	100	204	100	407	100	95	100							
c. Using learning support	SElearnsup	1	Very little	0	0	19	9	37	9	9	9							
services (tutoring		2	Some	3	33	46	22	99	24	27	28							
services, writing center, etc.)		3	Quite a bit	3	33	84	41	167	41	39	41							
5.0.,		4	Very much	3	33	56	27	107	26	21	22							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Freque	ncy Di	istributior	ıs				Sta	atistical (Comparis	sons ^k		
Agri & Natu	ral Res												Yo	our seniors c	ompared w	ith	
			ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegie	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name '	Values ^m Response options Total	Count 9	100	Count 205	% 100	Count 410	% 100	Count 96	% 100	Mean	Mean	size "	Mean	size "	Mean	size ⁿ



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequen	cy Di	istribution	5				St	atistical (Compari	sons ^k		
Agri & Natural	Res													Yo	our seniors o	ompared w	ith	
				ASU	S	outhwest Pu	ıblic	Carnegie Cla	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^l	Values ^m	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size "
d. Encouraging contact among students from	SEdiverse	1 2	Very little Some	0	0	33 79	16	59 127	14	17 36	18	Wedn	Wear	3/20	<i>Mean</i>	3/20	Wican	3/20
different backgrounds (social, racial/ethnic, religious, etc.)		3 4	Quite a bit Very much	7	78 11	62 31	30 15	154 69	38 17	28 15	29 16							
rengious, etc.)			Total	9	100	205	100	409	100	96	100							
e. Providing opportunities to be involved socially	SEsocial	1 2 3 4	Very little Some Quite a bit Very much Total	0 0 5 4	0 0 56 44 100	14 64 83 44 205	7 31 40 21 100	28 104 183 95	7 25 45 23 100	5 31 39 21 96	5 32 41 22							
f. Providing support for your overall well-being (recreation, health care, counseling, etc.)	SEwellness	1 2 3 4	Very little Some Quite a bit Very much Total	0 1 2 6	0 11 22 67 100	203 20 65 74 45 204	100 32 36 22 100	410 38 116 161 93 408	9 28 39 23 100	8 32 36 20 96	8 33 38 21 100							
g. Helping you manage your non-academic responsibilities (work, family, etc.)	SEnonacad	1 2 3 4	Very little Some Quite a bit Very much Total	1 2 4 2 9	11 22 44 22 100	77 71 39 18 205	38 35 19 9	138 139 96 35 408	34 34 24 9	31 34 27 4 96	32 35 28 4 100							
h. Attending campus activities and events (performing arts, athletic events, etc.)	SEactivities	1 2 3 4	Very little Some Quite a bit Very much Total	0 3 5 1	0 33 56 11 100	27 75 73 30 205	13 37 36 15 100	52 129 149 77 407	13 32 37 19 100	8 41 30 17 96	8 43 31 18 100							
i. Attending events that address important social, economic, or political issues	SEevents	1 2 3 4	Very little Some Quite a bit Very much Total	0 1 6 2 9	0 11 67 22 100	39 100 48 18	19 49 23 9 100	74 152 139 45 410	18 37 34 11 100	10 49 26 11 96	10 51 27 11 100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequer	ncy D	istribution	ıs				St	atistical	Compari	sons ^k		
Agri & Natura	l Res													Y	our seniors (compared w	ith	
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable													Effect		Effect		Effect
or description			Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ
15. About how many ho				_														
 a. Preparing for class (studying, reading, 	tmprephrs	0		0	0		1	3	1	0	0							
writing, doing	(Recoded version	3	1-5 hrs	3	33	46	23	88	22	30	31							
homework or lab work,	of tmprep created	8	6-10 hrs	2	22	49	24	121	30	29	30							
analyzing data,	by NSSE. Values are estimated	13	11-15 hrs	2	22	36	18	69	17	14	15							
rehearsing, and other	number of hours	18	16-20 hrs	1	11	32	16	62	15	13	14							
academic activities)	per week.)	23	21-25 hrs	1	11	18	9	32	8	5	5							
		28	26-30 hrs	0	0	16	8	15	4	2	2							
		33	More than 30 hrs	0	0	5	2	17	4	3	3							
			Total	9	100	204	100	407	100	96	100							
b. Participating in co-	tmcocurrhrs	0	0 hrs	1	11	78	39	124	30	31	33							
curricular activities	(Recoded version	3	1-5 hrs	5	56	59	29	129	32	29	31							
(organizations, campus publications, student	of tmcocurr	8	6-10 hrs	1	11	37	18	70	17	20	21							
government, fraternity	created by NSSE.	13	11-15 hrs	1	11	13	6	30	7	8	8							
or sorority,	Values are estimated number	18	16-20 hrs	1	11	8	4	28	7	4	4							
intercollegiate or	of hours per	23	21-25 hrs	0	0	3	1	7	2	2	2							
intramural sports, etc.)	week.)	28	26-30 hrs	0	0	2	1	4	1	0	0							
		33	More than 30 hrs	0	0	2	1	16	4	1	1							
			Total	9	100	202	100	408	100	95	100							
c. Working for pay	tmworkonhrs	0	0 hrs	6	67	128	63	279	69	67	71							
on campus	(Recoded version	3	1-5 hrs	1	11	10	5	19	5	4	4							
	of tmworkon	8	6-10 hrs	0	0	15	7	26	6	4	4							
	created by NSSE.	13	11-15 hrs	1	11	12	6	19	5	2	2							
	Values are	18	16-20 hrs	1	11	24	12	46	11	12	13							
	estimated number	23	21-25 hrs	0	0	7	3	7	2	4	4							
	of hours per week.)	28	26-30 hrs	0	0	1	0	3	1	1	1							
	ween.	33	More than 30 hrs	0	0	6	3	7	2	1	1							
		23	Total	9	100		100	406	100	95	100							
			10001		100	203	100	100	100	- 75	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequer	ıcy D	istribution	S				Sta	atistical (Comparis	sons ^k		
Agri & Natura	al Res													Y	our seniors c	ompared w	ith	
				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	ers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values "	Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size ⁿ	Mean	Effect size ⁿ	Mean	Effect size "
d. Working for pay	tmworkoffhrs	0	0 hrs	1	11	87	43	158	39	40	42							
off campus	(Recoded version	3	1-5 hrs	1	11	5	2	17	4	2	2							
	of tmworkoff	8	6-10 hrs	0	0	21	10	39	10	10	10							
	created by NSSE.	13	11-15 hrs	1	11	14	7	29	7	5	5							
	Values are	18	16-20 hrs	0	0	26	13	43	11	10	10							
	estimated number of hours per	23	21-25 hrs	5	56	13	6	37	9	5	5							
	week.)	28	26-30 hrs	1	11	10	5	35	9	8	8							
		33	More than 30 hrs	0	0	27	13	49	12	16	17							
			Total	9	100	203	100	407	100	96	100							
Estimated number of	tmworkhrs																	
hours working for pay	(Continuous variable created by NSSE)																	
e. Doing community	tmservicehrs	0	0 hrs	4	44	94	46	199	49	49	51							
service or volunteer	(Recoded version	3	1-5 hrs	4	44	78	38	148	36	33	34							
work	of tmservice	8	6-10 hrs	0	0	15	7	29	7	6	6							
	created by NSSE.	13	11-15 hrs	0	0	12	6	18	4	7	7							
	Values are	18	16-20 hrs	0	0	4	2	9	2	1	1							
	estimated number of hours per	23	21-25 hrs	0	0	0	0	2	0	0	0							
	week.)	28	26-30 hrs	0	0	0	0	1	0	0	0							
		33	More than 30 hrs	1	11	1	0	4	1	0	0							
			Total	9	100	204	100	410	100	96	100							
f. Relaxing and	tmrelaxhrs	0	0 hrs	0	0	8	4	15	4	4	4							
socializing (time with	(Recoded version	3	1-5 hrs	4	44	55	27	110	27	25	27							
friends, video games,	of tmrelax created	8	6-10 hrs	2	22	53	26	124	30	30	32							
TV or videos, keeping up with friends online,	by NSSE. Values	13	11-15 hrs	1	11	39	19	77	19	22	23							
etc.)	are estimated	18	16-20 hrs	1	11	21	10	37	9	7	7							
,	number of hours per week.)	23	21-25 hrs	0	0	6	3	10	2	2	2							
	per week.)	28	26-30 hrs	0	0	8	4	9	2	2	2							
		33	More than 30 hrs	1	11	12	6	27	7	2	2							
			Total	9	100	202	100	409	100	94	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Freque	ncy D	istributior	ıs				Sta	atistical (Compari	sons ^k		
Agri & Natura	al Res													Yo	our seniors o	compared w	ith	
				ASU	S	outhwest F	ublic	Carnegie C	lass	SACSCOC Pe	ers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording or description	Variable name ^I	Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
g. Providing care for dependents (children, parents, etc.)	tmcarehrs (Recoded version of tmcare created by NSSE. Values are estimated	0 3 8 13	0 hrs 1-5 hrs 6-10 hrs 11-15 hrs	6 2 0 0	67 22 0 0	147 21 7 3	73 10 3 1	297 46 15 12	73 11 4 3	71 11 3 3	75 12 3 3							
	number of hours per week.)	18 23 28 33	16-20 hrs 21-25 hrs 26-30 hrs More than 30 hrs Total	0 0 0 1 9	0 0 0 11 100	5 2 2 15 202	2 1 1 7 100	7 1 1 30 409	2 0 0 7 100	0 0 6 95	1 0 0 6 100							
h. Commuting to campus (driving, walking, etc.)	tmcommutehrs (Recoded version of tmcommute created by NSSE. Values are estimated number of hours per week.)	0 3 8 13 18 23 28 33		0 7 0 0 0 0 0 2	0 78 0 0 0 0 0 22 100	25 122 34 10 3 4 0 5	12 60 17 5 1 2 0 2	56 219 76 30 10 4 3 10 408	14 54 19 7 2 1 1 2	18 53 15 5 2 0 1 2	19 55 16 5 2 0 1 2							
16. Of the time you spe	end preparing for reading	1 2 3 4 5		2 3 3 1 0 9	22 33 33 11 0	s on assigna 42 84 50 20 8 204	21 41 25 10 4 100	72 131 121 64 21 409	18 32 30 16 5	19 46 23 8 0 96	20 48 24 8 0 100							
of tmprephrs bas	tmreadinghrs able created by NSSE sed on reading, where thalf=.50; Most=.75	e Very li	ttle=.10; Some=.25;															



Frequencies and Statistical Comparisons: Agri & Natural Res

Agri & Natural Rest	Seniors ^a in						Frequer	ncy D	istribution	ıs				Sta	atistical	Compari	sons ^k		
Marting Mart	Agri & Natu	ral Res													Y	our seniors o	compared w	ith	
Martine Mart					ASU	:	Southwest P	ublic	Carnegie C	lass	SACSCOC Pe	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Marine M	-		Values'	n Passansa antians	Count	9/	Count	0/	Count	0/	Count	0/	Magn	Magn		Magn		Magn	Effect
Parameter Configured version of content by NSSE 19	or description												ivieuri	ivieuri	3126	ivieuri	3126	ivieuri	3126
More than 10, 1 1 1 1 1 1 1 1 1			2	More than zero,	7			64		62	75	78							
More than 15.		created by NSSE.)	3		1	11	47	23	84	21	16	17							
More than 20, when the syour experience at this institution contributed to your knowledge, skills, and personal effectively A cry much Speaking clearly and Poppenk 1 Very linite 0 0 10 11 10 10 10 10			4	up to 15 hrs	1	11	12	6	40	10	2	2							
Note that Not			5	up to 20 hrs	0	0	7	3	16	4	2	2							
Total				up to 25 hrs							_	_							
17. How much has your experience at this institution contributed to your knowledges, skills, and personal development in the following arreas? a. Writing clearly and effectively 2 Some 2 2 22 53 26 97 24 29 31 3 Quite a bit 4 Very much 1 11 60 29 113 28 20 21 Total 9 100 204 100 403 100 95 100 5 Speaking clearly and effectively 2 Some 2 Some 2 2 2 2 44 22 92 21 5 Some 2 Some 2 2 2 44 22 92 22 4 2 2 2 7 2 28 6 Some 2 Some 2 Some 2 Some 2 Some 2 Some 3 Quite a bit 5 Sofe 81 40 110 100 95 100 2 Very much 4 Very much 4 Very much 4 Very much 4 Very much 5 Sofe 81 40 111 42 40 42 4 Very much 4 Very much 5 Sofe 81 40 110 410 100 95 100 2 Very Mithe 4 Very much 5 Some 6 Thinking critically and analytically 6 Analyzing numerical paganalye 4 Very much 5 Some 1 11 27 13 66 16 19 20 3 Quite a bit 5 Sofe 88 48 169 41 50 52 4 Very much 5 Sofe 88 48 169 41 50 52 4 Very much 5 Some 1 11 13 3 3 1 1 7 Total 9 100 0 203 100 410 100 95 100 4 Analyzing numerical paganalye 4 Very much 5 Some 1 11 11 5 33 50 100 4 Very much 5 Sofe 88 48 169 41 50 52 4 Very much 5 Some 1 11 11 15 30 52 5 Some 1 11 13 30 52 5 Some 1 11 13 30 52 5 Some 1 11 13 30 52 5 Some 1 Very little 1 Very little 1 Very much 5 Sofe 88 48 169 41 50 5 Sofe 88 48 169 50 5 Sof			7																
effectively 2 Some 2 22 24 22 92 22 27 28 3 Quite a bit 5 56 81 40 171 42 40 42 4 Very much 2 22 67 33 117 29 22 23 Total 9 100 204 100 410 100 95 100 c. Thinking critically and analytically Pgthink 1 Very little 0 0 3 1 13 3 1 1 2 Some 1 11 27 13 66 16 19 20 3 Quite a bit 5 56 98 48 169 41 50 52 4 Very much 3 33 75 37 161 39 26 27 Total 9 100 203 100 409 100 96 100 d. Analyzing numerical Pganalyze 1 Very little 1 11 11 5 32 8 8 8 and statistical 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45 4 Very much 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45 4 Very much 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45 4 Very much 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45 4 Very much 4 Very mich 4 Very mi		pgwrite	2	Some Quite a bit Very much	2 6 1	22 67 11	53 81 60	26 40 29	97 173 113	24 43 28	29 41 20	31 43 21							
C. Thinking critically and analytically 2 Some 1 11 1 1 1 5 32 8 8 8 8 and statistical information 2 Some 3 30 uite a bit 5 5 56 81 40 171 42 40 42 40 42 40 42 40 42 40 40 42 40 40 40 40 40 40 40 40 40 40 40 40 40		pgspeak	1	Very little	0	0	12	6	30	7	6	6							
C. Thinking critically and analytically Parameter	effectively		2	Some	2	22	44		92										
C. Thinking critically and pgthink 1 Very little 0 0 0 3 1 13 3 1 1 analytically 2 Some 1 11 27 13 66 16 19 20 3 Quite a bit 5 56 98 48 169 41 50 52 4 Very much 3 33 75 37 161 39 26 27 Total 9 100 203 100 409 100 96 100 d. Analyzing numerical pganalyze 1 Very little 1 11 11 5 32 8 8 8 and statistical and statistical information 3 Quite a bit 3 33 82 40 149 36 43 45																			
c. Thinking critically and analytically and pgthink 1 Very little 0 0 0 3 1 13 3 1 1 1 analytically 2 Some 1 1 11 27 13 66 16 19 20 3 Quite a bit 5 56 98 48 169 41 50 52 4 Very much 3 33 75 37 161 39 26 27 Total 9 100 203 100 409 100 96 100 d. Analyzing numerical pganalyze 1 Very little 1 11 11 5 32 8 8 8 and statistical information 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45			4	•															
analytically 2 Some 1 1 11 27 13 66 16 19 20 3 Quite a bit 5 56 98 48 169 41 50 52 4 Very much 3 33 75 37 161 39 26 27 Total 9 100 203 100 409 100 96 100 d. Analyzing numerical pganalyze 1 Very little 1 1 11 11 5 32 8 8 8 8 and statistical information 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45	TI: 1: '4: II	1 411			-														
3 Quite a bit 5 56 98 48 169 41 50 52 4 Very much 3 33 75 37 161 39 26 27 Total 9 100 203 100 409 100 96 100 d. Analyzing numerical pganalyze 1 Very little 1 11 11 5 32 8 8 8 8 and statistical information 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45		nd pgthink																	
4 Very much 3 33 75 37 161 39 26 27	, ,				-														
Total 9 100 203 100 409 100 96 100 d. Analyzing numerical pganalyze 1 Very little 1 11 11 5 32 8 8 8 and statistical 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45																			
d. Analyzing numerical pganalyze 1 Very little 1 11 11 5 32 8 8 8 8 and statistical 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45			,	•															
and statistical 2 Some 3 33 48 24 103 25 27 28 information 3 Quite a bit 3 33 82 40 149 36 43 45	d. Analyzing numerical	pganalyze	1																
3 Quite a bit 3 33 82 40 149 36 43 45	and statistical		2	•	3	33	48	24	103	25	27	28							
4 Very much 2 22 62 31 126 31 18 19	information		3	Quite a bit	3	33	82	40	149	36	43	45							
			4	Very much	2	22	62	31	126	31	18	19							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in					Frequer	ncy Dis	stribution	ıs				Sta	atistical	Comparis	sons ^k		
Agri & Natu	ral Res												Y	our seniors c	ompared w	ith	
			ASU	S	outhwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	st Public	Carnegi	e Class	SACSCO	C Peers
Item wording	Variable												Effect		Effect		Effect
or description	name ¹	Values ^m Response options Total	Count 9	% 100	Count 203	% 100	Count 410	% 100	Count 96	% 100	Mean	Mean	size ⁿ	Mean	size ⁿ	Mean	size ⁿ



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in						Frequer	icy D	istribution	S				Sta	atistical	Compari	sons ^k		
Agri & Natural	gri & Natural Res													Y	our seniors (compared w	ith	
_				ASU	S	outhwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	ers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
Item wording		Values'	ⁿ Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size "	Mean	Effect size ⁿ
e. Acquiring job- or work- related knowledge and	pgwork	1 2	Very little Some	0	0	8	4 24	26 90	6 22	4 20	4 21							
skills		3	Quite a bit	5	56	69	34	158	39	36	38							
		4	Very much	3	33	78	38	136	33	36	38							
			Total	9	100	204	100	410	100	96	100							
f. Working effectively	pgothers	1	Very little	0	0	8	4	26	6	5	5							-
with others		2	Some	1	11	48	24	78	19	25	26							
		3	Quite a bit	6	67	79	39	175	43	43	45							
		4	Very much	2	22	69	34	132	32	23	24							
			Total	9	100	204	100	411	100	96	100							
g. Developing or	pgvalues	1	Very little	1	11	27	13	49	12	13	14							
		2	Some	3	33	56	27	108	26	28	29							
ethics		3	Quite a bit	5	56	65	32	154	38	38	40							
		4	Very much	0	0	56	27	99	24	17	18							
			Total	9	100	204	100	410	100	96	100							
clarifying a personal code of values and ethics h. Understanding people of other backgrounds (economic, racial/ethnic, political,	pgdiverse	1	Very little	1	11	26	13	51	13	13	14							
clarifying a personal code of values and ethics h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality,		2	Some	2	22	49	24	98	24	28	31							
clarifying a personal code of values and ethics h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)		3	Quite a bit	5	56	71	35	160	40	34	37							
h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.) i. Solving complex real-		4	Very much	1	11	56	28	96	24	16	18							
			Total	9	100	202	100	405	100	91	100							
clarifying a personal code of values and ethics h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.)	pgprobsolve	1	Very little	0	0	12	6	34	8	7	7							
code of values and ethics h. Understanding people of other backgrounds (economic, racial/ethnic, political, religious, nationality, etc.) i. Solving complex real-		2	Some	4	44 44	55 85	27 42	110 169	27 41	30 37	32 39							
		4	Quite a bit Very much	1	11	51	25	97	24	21	22							
etc.) Solving complex real- world problems		7	Total	9	100	203	100	410	100	95	100							
	pgcitizen	1	Very little	0	0	25	12	44	11	9	9							
	10	2	•	0	0	57	28	115	28	33	34							
		3	Quite a bit	7	78	79	39	158	39	36	38							
		4	Very much	2	22	43	21	92	22	18	19							
			Total	9	100	204	100	409	100	96	100							



Frequencies and Statistical Comparisons: Agri & Natural Res

Seniors ^a in	ors ^a in & Natural Res					Freque	ncy D	istributior	าร				St	atistical	Compari	sons ^k		
Agri & Natur	ral Res													Y	our seniors (compared w	vith	
	Item wording Variable or description name ' 8. How would you evaluate your en evalexp			ASU		Southwest F	Public	Carnegie C	lass	SACSCOC P	eers	ASU	Southwe	est Public	Carnegi	e Class	SACSCO	C Peers
-		Value	s ^m Response options	Count	%	Count	%	Count	%	Count	%	Mean	Mean	Effect size "	Mean	Effect size ⁿ	Mean	Effect size "
18. How would you e	evaluate your ent	re educ	ational experience at th	is institution	?													
	evalexp	1	Poor	0	0	0	0	16	4	0	0							
		2	Fair	0	0	26	13	59	14	16	17							
		3	Good	3	33	87	42	164	40	43	45							
		4	Excellent	6	67	92	45	168	41	37	39							
			Total	9	100	205	100	407	100	96	100							
19. If you could start	t over again, wou	ld you g	o to the same institution	you are no	w atte	ending?												
	sameinst	1	Definitely no	0	0	7	3	22	5	6	6							
		2	Probably no	1	11	25	12	53	13	12	13							
		3	Probably yes	2	22	70	34	159	39	35	36							
		4	Definitely yes	6	67	103	50	176	43	43	45							
			Total	9	100	205	100	410	100	96	100							



Respondent Profile: Agri & Natural Res

Angelo State University

				ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU		Southwest P	ublic	Carnegie Cla	ss S	SACSCOC P	ee
	Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	
la.	How many majors do	MAJnum	One	9	100	101	83	251	80	76	92	8	89	181	88	341	83	90	
	you plan to complete?		More than one	0	0	21	17	62	20	7	8	1	11	24	12	71	17	6	
	(Do not count minors.)		Total	9	100	122	100	313	100	83	100	9	100	205	100	412	100	96	1
	First major or expected	MAJfirstcol	Arts & Humanities	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
	first major, in NSSE's default related-major	(Recoded from MAJfirst.)	Biological Sci., Agriculture, & Natural Resources	9	100	113	93	294	93	79	95	9	100	196	96	390	94	95	
	categories.	ŕ	Physical Sci., Mathematics,	0	0	0	0	1	0	1	1	0	0	0	0	2	0	0	
	(This does not reflect		& Computer Science	0	0	1	1	2	1	0	0	0	0	0	0	2	1	0	
	any customization		Social Sciences Business	0	0	2	2	4	1		0		0		0	3 6	1	0	
	made for the Major		Communications, Media,	U	U	2	2	4	1	0	0	0	U	2	1	0	1	0	
	Field Report.)		& Public Relations	0	0	1	1	0	0	0	0	0	0	-	0	1	0	0	
			Education	0	0	0	0	0	0	0	0	0	0		0	1	0	0	
			Engineering	0	0	1	1	1	0	1	1	0	0	_	1	1	0	0	
			Health Professions	0	0	3	2	11	3	2	2	0	0	,	1	6	1	1	
			Social Service Professions	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	
			All Other	0	0	0	0	2	1	0	0	0	0	0	0	1	0	0	
			Undecided, Undeclared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Total	9	100	121	100	316	100	83	100	9	100	205	100	413	100	96	
	Second major or	MAJsecondcol	Arts & Humanities	0	0	1	5	2	3	0	0	0	0	0	0	4	6	0	
	expected second major, in NSSE's default	(Recoded from MAJsecond.)	Biological Sci., Agriculture, & Natural Resources	0	0	14	67	42	69	6	86	1	100	15	63	39	56	2	
	related-major categories.	,	Physical Sci., Mathematics, & Computer Science	0	0	0	0	1	2	0	0	0	0		0	4	6	0	
	(This does not reflect		Social Sciences	0	0	0	0	5	8	0	0	0	0	2	8	6	9	1	
	any customization		Business	0	0	3	14	4	7	0	0	0	0	4	17	3	4	0	
	made for the Major Field Report.)		Communications, Media, & Public Relations	0	0	0	0	0	0	0	0	0	0	2	8	2	3	0	
			Education	0	0	0	0	1	2	0	0	0	0	0	0	3	4	1	
			Engineering	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
			Health Professions	0	0	0	0	5	8	0	0	0	0	0	0	5	7	1	
			Social Service Professions	0	0	1	5	0	0	1	14	0	0	0	0	2	3	0	
			All Other	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	
			Undecided, Undeclared	0	0	1	5	1	2	0	0	0	0	1	4	1	1	1	
			Total	0	0	21	100	61	100	7	100	1	100	24	100	70	100	6	
	What is your class	class	Freshman/First-year	1	11	88	74	263	85	60	75	0	0	0	0	1	0	0	
	level?		Sophomore	7	78	28	24	43	14	20	25	0	0	0	0	2	0	0	
			Junior	1	11	2	2	4	1	0	0	0	0	12	6	14	3	3	
			Senior	0	0	0	0	0	0	0	0	9	100		93	376	93	90	
			Unclassified	0	0	1	1	1	0	0	0	0	0		1	12	3	2	
			Total	9	100	119	100	311	100	80	100	9	100		-	MAJOR FIELI		05	



Respondent Profile: Agri & Natural Res

Angelo State University

Ag	ii & ivaturai	res				FIISt-1	ear	Students						_	Semi	UIS			
				ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers	ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC P	eers
	Item wording	Variable	Descriptions	C	%		0/	Count	%	Count	0/	Count	%	C	0/	Count	%	Count	
23.	or description Thinking about this	name fulltime	Response options No	Count 1	13		3	Count 10	3	Count 0	% 0	Count 3	33		18	Count 60	15	Count 14	15
20.	current academic term,	Tullion	Yes	7	88		97	298	97	80	100	6	67		82	346	85	80	85
	are you a full-time		Total	8	100		100	308	100	80	100	9	100		100	406	100	94	100
	student?		Total	· ·	100	, 110	100	300	100	00	100	,	100	201	100	400	100	74	100
24a.	How many courses are	coursenum	0	0	0	0	0	4	1	0	0	0	0	8	4	18	4	5	5
	you taking for credit		1	0	0	0	0	1	0	0	0	0	0	10	5	13	3	4	4
	this current academic		2	0	0	1	1	4	1	0	0	1	11	10	5	12	3	5	5
	term?		3	0	0	0	0	2	1	0	0	1	11	21	10	32	8	6	6
			4	4	44	36	30	76	24	20	25	3	33	54	26	110	27	29	31
			5	5	56	51	43	135	43	47	58	3	33	61	30	116	28	30	32
			6	0	0	20	17	50	16	7	9	0	0	21	10	55	13	9	9
			7 or more	0	0	11	9	39	13	7	9	1	11	19	9	52	13	7	7
			Total	9	100	119	100	311	100	81	100	9	100	204	100	408	100	95	100
b	Of these, how many are	onlinenum	0	7	78	91	76	238	77	62	77	7	78	128	63	263	65	46	48
	entirely online?		1	0	0	18	15	47	15	13	16	2	22	39	19	80	20	22	23
			2	1	11	. 7	6	17	6	4	5	0	0	16	8	33	8	15	16
			3	1	11	. 2	2	1	0	1	1	0	0	14	7	17	4	10	11
			4	0	0	1	1	3	1	1	1	0	0	3	1	11	3	2	2
			5	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0
			6	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
			7 or more	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0
			Total	9	100	119	100	309	100	81	100	9	100	204	100	405	100	95	100
	Collapsed recode of	onlinecrscol	No courses taken online	7	78	91	76	238	77	62	77	7	78	128	63	263	65	46	48
	courses taken online		Some courses taken online	2	22	27	23	64	21	19	23	2	22	57	28	121	30	43	45
	(Based on responses to		All courses taken online	0	0	1	1	7	2	0	0	0	0	19	9	21	5	6	6
	coursenum <i>and</i> onlinenum.)		Total	9	100	119	100	309	100	81	100	9	100	204	100	405	100	95	100
25.	What have most of your	grades	C- or lower	0	0) 3	3	9	3	3	4	0	0	4	2	3	1	2	2
20.	grades been up to now	grades	C- or lower	0	0		2	5	2	3	1	1	11		1	11	3	4	4
	at this institution?		C+	0	0	_	6	21	7	3	4	1	11		4	29	<i>7</i>	7	7
			В-	2	22		8	24	8	9	11	1	11		9	38	9	6	6
			В-	2	22		18	58	19	12	15	1	11		17	69	17	19	20
			B+	1	11		17	57	19	17	21	1	11		14	61	15	11	12
			Б⊤ А-	3	33		18	48	16	11	14	2	22		22	82	20	23	24
			A- A	1	33 11		28	86	28	25	31	2	22		30	114	28	23	24
			Total	9	100		100	308	100	81	100	9	100		100	407	100	95	100
26.	Did you begin college	begincol	Started here	6	67		88	292	95	76	93	6	67		41	211	52	52	55
20.	at this institution or	oegineoi	Started elsewhere	3	33		13	16	93 5	/6 6	93 7	3	33		59	195	48	43	33 45
	elsewhere?		Started elsewhere Total	9	100		100	308	100		100	9	100		100		100		
			าบเสเ	9	100	120	100	308	100	82	100	9	100	203	100	406	100	95	100



Respondent Profile: Agri & Natural Res

Angelo State University

27. S hi th so at	tem wording or description Since graduating from high school, which of the following types of schools have you uttended other than the one you are now uttending? (Select all that apply.)	variable name attend_voc attend_com attend_col attend_none attend_other	Response options Vocational or technical school Community or junior college 4-year college or university other than this one None	Count 0 1	% 0 11	Southwest P Count 7 18	ublic %	Carnegie C Count 13	lass %	SACSCOC Pe	eers %	ASU Count	0/	Southwest P	ublic %	Carnegie Cl	ass :	SACSCOC P	
27. S hi th so at	or description Since graduating from high school, which of the following types of schools have you attended other than the one you are now attending? (Select all	attend_voc attend_com attend_col attend_none	Vocational or technical school Community or junior college 4-year college or university other than this one	0	0	7			%	Count	0/	Count	0/	Count	0/		0/	Count	0/
27. S hi the social or at	Since graduating from high school, which of the following types of schools have you attended other than the one you are now attending? (Select all	attend_voc attend_com attend_col attend_none	Vocational or technical school Community or junior college 4-year college or university other than this one	0	0	7			%	Count									
hi th so at or at	nigh school, which of the following types of the chools have you attended other than the one you are now attending? (Select all	attend_com attend_col attend_none	Community or junior college 4-year college or university other than this one	1			U		4	2	2	0	0	Count 16	8	Count 24	6	6	6
so at or at	achools have you attended other than the one you are now attending? (Select all	attend_col attend_none	4-year college or university other than this one	•	11		15	21	7	7	9	3	33	110	54	179	44	46	48
at or at	attended other than the one you are now attending? (Select all	attend_none	other than this one	1			13	21	,	,	7	3	33	110	34	1/9	44	40	40
o: at	one you are now attending? (Select all	_	None		11	9	8	26	8	5	6	0	0	68	34	106	26	22	23
at	attending? (Select all	attend_other	1 10116	5	56	87	73	237	77	63	77	4	44	52	26	160	40	35	37
			Other	1	11	6	5	16	5	3	4	2	22	8	4	10	2	2	2
28. W	What is the highest	edaspire	Some college but less than a																
	evel of education you	•	bachelor's degree	1	11	9	8	31	10	7	9	1	11	22	11	30	7	12	13
	ever expect to		Bachelor's degree (B.A., B.S., etc.)	2	22	52	45	137	45	38	48	2	22	82	41	177	43	42	45
C	complete?		Master's degree (M.A., M.S., etc.)	6	67	34	29	90	30	26	33	6	67	71	35	144	35	32	34
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	0	0	21	18	47	15	9	11	0	0	27	13	56	14	8	9
			Total	9	100	116	100	305	100	80	100	9	100	202	100	407	100	94	100
29. W	What is the highest	parented	Did not finish high school	0	0	3	3	11	4	1	1	0	0	8	4	15	4	4	4
	evel of education		High school diploma or G.E.D.	0	0	17	14	53	17	15	18	1	11	37	19	70	17	17	18
	completed by either of your parents (or those		Attended college, but did not complete degree	3	33	17	14	47	15	10	12	3	33	20	10	58	14	9	10
W	who raised you)?		Associate's degree (A.A., A.S., etc.)	0	0	12	10	31	10	7	9	1	11	19	10	53	13	10	11
			Bachelor's degree (B.A., B.S., etc.)	3	33	41	35	93	30	35	43	1	11	68	34	121	30	35	37
			Master's degree (M.A., M.S., etc.)	2	22	18	15	64	21	12	15	2	22	40	20	64	16	15	16
			Doctoral or professional degree (Ph.D., J.D., M.D., etc.)	1	11	10	8	9	3	2	2	1	11	8	4	21	5	4	4
			Total	9	100	118	100	308	100	82	100	9	100	200	100	402	100	94	100
F	First-generation status	firstgen	Not first-generation	6	67	69	58	166	54	49	60	4	44	116	58	206	51	54	57
	Neither parent holds a	(Recoded from	First-generation	3	33	49	42	142	46	33	40	5	56	84	42	196	49	40	43
b	bachelor's degree.)	parented.)	Total	9	100	118	100	308	100	82	100	9	100	200	100	402	100	94	100
30. W	What is your gender	genderid	Man	5	56	49	42	128	41	35	43	6	67	81	40	157	39	37	39
id	dentity?		Woman	3	33	67	57	171	55	44	54	3	33	117	58	235	58	56	60
			Another gender identity	1	11	1	1	6	2	2	2	0	0	0	0	4	1	1	1
			I prefer not to respond	0	0	1	1	4	1	1	1	0	0	3	1	9	2	0	0
			Total	9	100	118	100	309	100	82	100	9	100	201	100	405	100	94	100
	Enter your year of birth	agecat	19 or younger	6	67	103	90	274	89	76	95	0	0	0	0	3	1	0	0
(6	e.g., 1994):	(Recoded	20-23	3	33	9	8	18	6	4	5	7	78	130	65	286	71	75	79
		from the	24-29	0	0	1	1	6	2	0	0	2	22	38	19	70	17	14	15
		information	30-39	0	0	0	0	5	2	0	0	0	0	16	8	25	6	2	2
		entered in birthyear.)	40-55	0	0	1	1	4	1	0	0	0	0	16	8	18	4	4	4
		on any can.)	Over 55	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
			Total	9	100	115	100	307	100	80	100	9	100	20 N SS	E 1200019	MAJOR4 92 EI	DI RO EPO	ORT, PA R T	II 10 0 4



Respondent Profile: Agri & Natural Res

Angelo State University

				ASU		Southwest P	ublic	Carnegie Cla	ass	SACSCOC P	eers	ASU		Southwest P	ublic	Carnegie Cla	ass	SACSCOC Pe	eers
	Item wording	Variable																	
22-	or description	name	Response options	Count	%	Count	%	Count	%	Count	<u>%</u>	Count	%	Count	%	Count	%	Count	<u>%</u>
32a.	Are you an international student?	internat	No	9	100	116	99	300	98	81	99	9	100		96	402	99	92	99
	student:		Yes	0	0	1	1	7	2	1	1	0	0	8	4	5	1	1	1
	[If answered "yes"]	countrycol	Total	9	100	117	100	307	100	82	100	9	100	199	100	407	100	93	100
	Country of citizenship,	countrycol	Africa Sub-Saharan	0	0	1	100	2	40	1	100	Ů			0	0	0	•	0
	collapsed into regions	(Recoded from	Asia	0	0	0	0	0	0	0	0	0	0	6	75	1	25	0	0
	by NSSE. Responses to	country.)	Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	country are in the data		Europe	0	0	0	0	1	20	0	0	0	0	1	13	1	25	1	100
	file.		Latin America and Caribbean	0	0	0	0	2	40	0	0	0	0	0	0	0	0	0	0
			Middle East and North Africa	0	0	0	0	0	0	0	0	0	0	0	0	1	25	0	0
			Oceania	0	0	0	0	0	0	0	0	0	0	1	13	1	25	0	0
			Unknown region/uncoded	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	0	0	1	100	5	100	1	100	0	0	8	100	4	100	1	100
33.	How would you	re_amind	American Indian or Alaska Native	0	0	5	4	8	3	0	0	0	0	12	6	3	1	1	1
	describe yourself?	re_asian	Asian	0	0	3	3	4	1	1	1	0	0	9	4	13	3	0	0
	(Select all that apply.)	re_black	Black or African American	0	0	10	8	18	6	8	10	0	0	9	4	18	4	5	5
		re_latino	Hispanic or Latina/o	0	0	18	15	57	19	9	11	3	33	32	16	60	15	13	14
		re_mena	Middle Eastern or N. African (2019)	0	0	0	0	1	1	0	0	0	0	0	0	2	1	0	0
		re_pacific	Native Hawaiian/Other Pac. Islander	0	0	1	1	6	2	0	0	0	0	1	0	4	1	1	1
		re_white	White	9	100	84	71	231	75	65	80	7	78	145	72	318	78	74	79
		re_another	Another race or ethnicity (2019)	0	0	3	4	3	2	1	3	0	0	0	0	1	0	0	0
		re_other	Other (2018)	0	0	0	0	5	4	0	0	0	0	3	4	3	2	1	2
		re_pnr	I prefer not to respond	0	0	4	3	4	1	2	2	0	0	9	4	21	5	4	4
	Racial or ethnic	re_all19	American Indian or Alaska Native	0	0	2	2	5	2	0	0	0	0	8	4	0	0	1	1
	identification	(Items re amind	Asian	0	0	3	3	2	1	1	1	0	0	7	3	7	2	0	0
		to re pnr	Black or African American	0	0	9	8	12	4	7	9	0	0	8	4	11	3	4	4
		recoded where	Hispanic or Latina/o	0	0	12	10	43	14	5	6	2	22	21	10	45	11	9	10
		each student is	Middle Factorn or N. African (2010)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		represented only once)	Native Hawaiian/Other Pac. Islander	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0
		once)	White	9	100	76	64	214	70	61	75	6	67	130	65	293	72	70	74
			Another race or ethnicity (2019)	0	0	2	2	0	0	0	0	0	0	0	0	1	0	0	0
			Other (2018)	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1
			Multiracial	0	0	10	8	24	8	5	6	1	11	16	8	29	7	5	5
				0	0	4	3	4	8 1	2	2	1	0	9	8 4	29	5	4	3 4
			I prefer not to respond			•			-	=		0	Ŭ		•				=
34.	A ma vyovy a maamhan - f -	ome els	Total	9	100	118	100	306	100	81	100	9	100		100	408	100	94	100
34.	Are you a member of a social fraternity or	greek	No	9	100	102	86	271	88	64	78	8	89	181	91	348	86	75	80
	sorority?		Yes	0	0	16	14	38	12	18	22	1	11	18	9	58	14	19	20
	,		Total	9	100	118	100	309	100	82	100	9	100	199	100	406	100	94	100



Respondent Profile: Agri & Natural Res

Agri & Natural Res	First-Year Students ^a	Seniors
--------------------	----------------------------------	---------

	Item wording	Variable		ASU		Southwest P	ublic	Carnegie Cl	ass	SACSCOC Pe	eers	ASU		Southwest Pr	ublic	Carnegie Cl	ass S	SACSCOC P	eers
	or description	name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	9
5.	Which of the following	living18	Campus housing (other than a	2	22	85	73	170	56	63	78	0	0	23	11	49	12	13	1
	best describes where		fraternity or sorority house)									•							
	you are living while attending college?		Fraternity or sorority house House, apartment, or other residence	0	0	2	2	2	1	1	1	0	0	2	1	5	1	2	
	attending conege:		within walking distance to campus	0	0	3	3	37	12	3	4	2	22	51	25	111	28	24	2
			House, apartment, or other residence	7	70	27	22	07	20	1.4	17	7	70	114	57	220		52	_
			farther than walk. dist. to campus	/	78	27	23	87	29	14	17	7	78	114	57	220	55	53	5
			Not applicable: No campus, entirely	0	0	0	0	7	2	0	0	0	0	11	5	16	4	2	
			online program, etc. Not applicable: Homeless or																
			in transition	0	0	0	0	2	1	0	0	0	0	0	0	1	0	0	
			Total	9	100	117	100	305	100	81	100	9	100	201	100	402	100	94	10
	Are you a student-	athlete	No	9	100	114	97	280	91	78	95	9	100	198	99	372	92	92	9
	athlete on a team		Yes	0	0	4	3	28	9	4	5	0	0	3	1	33	8	2	
	sponsored by your		Total	9	100	118	100	308	100	82	100	9	100	201	100	405	100	94	10
	institution's athletics department?																		
	Are you a current or	veteran	No	7	78	117	100	300	97	82	100	6	67	191	95	373	92	93	9
	former member of the		Yes	2	22	0	0	8	3	0	0	3	33	10	5	31	8	1	
	U.S. Armed Forces,		Total	9	100	117	100	308	100	82	100	9	100	201	100	404	100	94	10
	Reserves, or National Guard?																		
ı.	Have you been	disability	No	6	67	97	83	252	82	71	87	7	78	171	86	347	86	87	9
	diagnosed with any		Yes	2	22	18	15	42	14	10	12	2	22	24	12	40	10	4	
	disability or		I prefer not to respond	1	11	2	2	14	5	1	1	0	0	5	3	18	4	3	
	impairment?		Total	9	100	117	100	308	100	82	100	9	100	200	100	405	100	94	10
b	[If answered "yes"]	dis sense	A sensory impairment (vision	1	50	5	28	8	19	2	20	1	50	3	13	4	10	0	
	Which of the following	dis_sense	or hearing)	1	30	3	20	٥	19	2	20	1		3	13	4		U	
	has been diagnosed?	dis_mobility	A mobility impairment	0	0	1	6	4	10	0	0	1	50	6	26	5	13	0	
	(Select all that apply.)	dis_learning	A learning disability (e.g., ADHD, dyslexia)	1	50	12	67	19	45	7	70	2	100	10	43	16	41	2	6
		dis_mental	A mental health disorder	1	50	6	33	12	29	2	20	1	50	9	39	8	21	1	3
		dis other	A disability or impairment not	1	50	2	11	8	19	1	10	0	0	2	9	10	26	0	
	D: 13%		listed above																
	Disability or dimpairment (1)	disability_all	A sensory impairment	0	0	2	2	6	2	1	1	0	0	1	1	2	0	0	
		(Items dis_sense	A mobility impairment	0	0	0	0	2	1	0	0	0	0	4	2	4	1	0	
		to dis_other recoded where	A learning disability	0	0	7	6	14	5	6	7	1	11	7	4	15	4	2	
		each student is	A mental health disorder	0	0	1	1 0	7 6	2	0	0	0	0	5	3	8	2 2	0	
			A disability or impairment not listed More than one disability or	U	U	0	U	0	2	1	1	U	U	U	0	8	2	U	
		once.)	impairment	2	22	8	7	7	2	2	2	1	11	6	3	2	0	0	
			No disability or impairment	6	67	97	83	252	82	71	87	7	78	171	86	347	86	87	9
			140 disability of impairment																



Respondent Profile: Agri & Natural Res

							_				•							
Agri & Natur	al Res				First-\	ear	Students	9						Seni	ors ^a			
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC P	eers	ASU		Southwest P	ublic	Carnegie C	lass	SACSCOC P	eers
ltem wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%		%	Count	%	Count	%
		Total	9	100	117	100	308	100	82	100	9	100	199	100	404	100	93	100



Respondent Profile: Agri & Natural Res

Agri & Natural Res	First-Year Students ^a	Seniors ^a
--------------------	----------------------------------	----------------------

			ASU		Southwest P	ublic	Carnegie Cla	ISS	SACSCOC Pe	eers	ASU		Southwest P	ublic	Carnegie Cla	ISS	SACSCOC P	eer
Item wording	Variable																	
or description Which of the following	name sexorient17	Response options	Count	%		%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	
best describes your	SEXOTICILI /	Straight (heterosexual)	9	100		88	266	86	75	91	7	78	173	87	347	86	86	
sexual orientation?		Bisexual	0	0	-	1	14	5	1	1	1	11	7	4	15	4	1	
		Gay	0	0	Ŭ	0	3	1	0	0	0	0	4	2	4	1	0	
		Lesbian	0	0	_	2	4	1	1	1	0	0	2	1	5	1	0	
		Queer	0	0	_	2	2	1	1	1	0	0	3	2	3	1	0	
		Questioning or unsure	0	0	_	2	2	1	1	1	0	0	1	1	5	1	2	
		Another sexual orientation	0	0	1	1	8	3	1	1	0	0	1	1	10	2	1	
		I prefer not to respond	0	0	6	5	9	3	2	2	1	11	9	5	15	4	3	
		Total	9	100		100	308	100	82	100	9	100	200	100	404	100	93	1
ution-reported info	ormation (Varia	bles provided by your institution in your	NSSE populatio	n file.)													
Institution-reported:	IRsex19	Female	3	33	70	57	180	57	46	55	3	33	119	58	243	59	57	
Sex		Male	6	67	52	43	137	43	37	45	6	67	86	42	170	41	39	
		Another	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	9	100	122	100	317	100	83	100	9	100	205	100	413	100	96	
Institution-reported:	IRrace	American Indian or Alaska Native	0	0	2	2	1	0	0	0	1	11	5	3	1	0	0	
Race or ethnicity		Asian	0	0	3	3	3	1	1	1	0	0	1	1	7	2	0	
		Black or African American	0	0	6	5	14	6	7	9	0	0	8	4	11	3	4	
		Hispanic or Latino	0	0	21	19	24	9	12	16	3	33	33	17	34	10	11	
		Native Hawaiian/Other Pac. Islander	0	0		0	1	0	0	0	0	0	0	0	1	0	0	
		White	9	100	•	63	195	77	55	72	5	56	128	68	276	77	65	
		Other	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
		Foreign or nonresident	0	0		1	4	2	0	0	0	0	7	4	5	1	0	
		Two or more races/ethnicities	0	0	•	4	5	2	1	1	0	0	5	3	6	2	1	
		Unknown	0	0	·	4	7	3	0	0	0	0	2	1	16	4	0	
			9		·		,	100	· ·	-	9	100	_	100	357	100	81	
Institution-reported:	IRclass	Total	9	100		100			76	100	0	0	189				0	
Class level	IKClass	Freshman/First-Year		100		100		100	83	100	· ·		0	0	0	0	-	
		Sophomore	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
		Junior	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
		Senior	0	0		0	0	0	0	0	9	100	205	100	413	100	96	
		Other	0	0		0	0	0	0	0	0	0	0	0	0	0	0	
		Total	9	100		100		100	83	100	9	100	205	100	413	100	96	
Institution-reported:	IRftfy	Not first-time first-year	4	44	22	18	47	15	8	10	9	100	205	100	413	100	96	
First-time first-year (FTFY) student		First-time first-year	5	56		82	270	85	75	90	0	0	0	0	0	0	0	
		Total	9	100	122	100	317	100	83	100	9	100	205	100	413	100	96	
Institution-reported:	IRenrollment	Not full-time	1	11	4	3	6	2	0	0	0	0	23	11	49	12	8	
Enrollment status		Full-time	8	89	118	97	311	98	83	100	9	100	182	89	364	88	88	



Respondent Profile: Agri & Natural Res

							_				•							
Agri & Natural Res			First-Year Students ^a								Seniors ^a							
			ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC Pe	eers	ASU		Southwest P	ublic	Carnegie C	ass	SACSCOC P	eers
Item wording or description	Variable name	Response options	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
		Total	9	100	122	100	317	100	83	100	9	100	205	100	413	100	96	100



Endnotes: Agri & Natural Res Angelo State University

Endnotes

- a. All results are unweighted.
- b. Standard deviation is a measure of the amount the individual scores deviate from the mean of all the scores in the distribution.
- c. Standard error of the mean, used to compute a confidence interval (CI) around the sample mean. For example, the 95% CI is the range of values that is 95% likely to contain the true population mean, equal to the sample mean +/- 1.96 * SEM.
- d. A percentile is the point in the distribution of student-level EI scores at or below which a given percentage of EI scores fall.
- e. Degrees of freedom used to compute the t-tests. Values differ from Ns due to whether equal variances were assumed.
- f. Statistical significance represents the probability that the difference between the mean of your institution and that of the comparison group occurred by chance: *p < .05, **p < .01, ***p < .001 (2-tailed).
- g. Cohen's d: The mean difference divided by the pooled standard deviation. Effect size indicates the practical importance of an observed difference. For EI comparisons, NSSE research has concluded that an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015). Comparisons with an effect size of at least .3 in magnitude (before rounding) are highlighted in the Overview.
- h. Percentage of students who responded "Done or in progress" except for service-learning which is the percentage who responded that at least "Some" courses included a community-based project.
- i. Percentage point differences (institution comp. group) rounded to whole numbers. Values less than one may not display a bar and may be shown as +0 or -0. *p < .05, **p < .01, ***p < .001 (z-test comparing participation rates).
- j. Cohen's h: The standardized difference between two proportions. Effect size indicates the practical importance of an observed difference. NSSE research has found that interpretations vary by HIP: For service-learning, internships, study abroad, and culminating senior experiences, an effect size of about .2 may be considered small, .5 medium, and .8 large. For learning community and research with faculty, an effect size of about .1 may be considered small, .3 medium, and .5 large (Rocconi & Gonyea, 2015).
- k. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution. Unless otherwise noted, statistical comparisons are two-tailed independent t-tests. Exceptions are the dichotomous high-impact practice items (11a to 11f) which are compared using a z-test.
- 1. Items that make up the Engagement Indicators include the following two-letter prefixes: CL = Collaborative Learning, DD = Discussions with Diverse Others, ET = Effective Teaching Practices, HO = Higher-Order Learning, LS = Learning Strategies, QI = Quality of Interactions, QR = Quantitative Reasoning, RI = Reflective and Integrative Learning, SE = Supportive Environment, and SF = Student-Faculty Interaction.
- m. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values represent actual units using the midpoints of response option ranges and an estimate for unbounded options.
- n. Effect size for independent t-tests uses Cohen's d; z-tests use Cohen's h.
- o. Statistical comparison uses z-test to compare the percentage who responded "Done or in progress."

Key to symbols:



Your students' average was significantly higher (p < .05) with an effect size at least .3 in magnitude.

Your students' average was significantly higher (p < .05) with an effect size less than .3 in magnitude.



Your students' average was significantly lower (p < .05) with an effect size less than .3 in magnitude.



Your students' average was significantly lower (p < .05) with an effect size at least .3 in magnitude.



Endnotes: Agri & Natural Res Angelo State University

Endnotes

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.

Reference: Rocconi, L.M., & Gonyea, R.M. (2018). Contextualizing effect sizes in the National Survey of Student Engagement: An empirical analysis. Research & Practice in Assessment, 13 (Summer/Fall), pp. 22-38.