



# BUSSE 2019 Frequencies and Mean Comparisons

## About This Report

Item wording or description	Variable Name	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>								Mean Comparisons <sup>c</sup>											
				All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>								
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
<b>8. During your last year of high school, about how often did you do each of the following?</b>																							
a	Attended class without having completed readings or assignments	hclunpre	1	Never	557	42		162	38	384	44	394	45	163	37								
			2	Sometimes	672	51		231	54	430	49	435	49	237	53								
			3	Often	53	4	4.0	20	5	33	4	28	3	25	6	3.9	4.0	**	-.04	4.0	3.9	**	.04
			4	Very often	43	3		12	3	31	4	24	3	19	4								
			Total		1325	100		425	100	878	100	881	100	444	100								

- Item numbers:** Numbering corresponds to the survey facsimile included in your *Institutional*
- Item wording and variable names:** Survey items are in the same order and wording as they appear on the instrument. Variable names are included for easy reference to your data file and codebook.
- Values and response options:** Values are used to calculate means. Response options are worded as they appear on the
- Count and column percentage (%):** The Count column contains the number of students who selected the corresponding response option. The column percentage is the percentage of students selecting the corresponding response option.
- Overall mean:** Mean scores for each item. Mean item scores by within-campus comparison groups are presented on the right side.
- Statistical comparisons:** Items with mean differences that are larger than would be expected by chance are noted with asterisks referring to three significance levels (\*p<.05, \*\*p<.01, \*\*\*p<.001). Significance levels indicate the probability that an observed difference is due to chance. Statistical significance does not guarantee the result is substantive or important. Large sample sizes tend to generate more statistically significant results even though the magnitude of mean differences may be inconsequential. Consult effect sizes (see #7) to judge the practical meaning of differences. Statistical comparisons are two-tailed
- Effect size:** Effect size indicates practical significance. An effect size of .2 is often considered small, .5 moderate, and .8 large. Effect sizes for independent t-tests use Cohen's d. Cohen's d is calculated by dividing the mean difference by the pooled standard deviation.



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### BUSSEville University

Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>											Mean Comparisons <sup>c</sup>									
			All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>									
						Males	Females	Yes		No		Males	Females	Yes		No							
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>		
<b>5. During your last year of high school, about how many papers, reports, or other writing tasks of the following length did you complete?</b>																							
a	Up to 5 pages	hwrite5	1	None	180	4%	3.7	60	3%	118	4%	127	3%	50	4%	3.6	3.7	-.01	3.6	3.7	-.05		
		2	1-2	846	17%	297		16%	540	17%	645	17%	196	16%									
		3	3-5	1,788	36%	679		38%	1,095	35%	1,383	37%	394	32%									
		4	6-10	1,003	20%	375		21%	625	20%	709	19%	290	24%									
		5	11-15	433	9%	153		8%	277	9%	298	8%	132	11%									
		6	16-20	237	5%	74		4%	160	5%	176	5%	58	5%									
		7	More than 20	469	9%	169		9%	296	10%	354	10%	110	9%									
		Total		4,956	100%	1,807	100%	3,111	100%	3,692	100%	1,230	100%										
b	Between 6 and 10 pages	hwrite5m	1	None	742	16%	3.1	276	17%	462	16%	536	16%	199	17%	3.1	3.2	*	-.06	3.2	3.1	*	.07
		2	1-2	967	21%	356		22%	606	21%	686	21%	278	24%									
		3	3-5	1,012	22%	388		24%	620	22%	718	22%	290	25%									
		4	6-10	1,071	24%	388		24%	671	24%	833	25%	233	20%									
		5	11-15	374	8%	126		8%	246	9%	294	9%	76	6%									
		6	16-20	181	4%	53		3%	128	4%	132	4%	48	4%									
		7	More than 20	183	4%	61		4%	122	4%	126	4%	55	5%									
		Total		4,530	100%	1,648	100%	2,855	100%	3,325	100%	1,179	100%										
c	11 pages or more	hwrite11	1	None	1,598	36%	2.9	598	37%	989	35%	1,174	36%	413	36%	2.8	2.9	*	-.07	2.9	2.7	***	.14
		2	1-2	858	19%	328		20%	525	19%	574	17%	283	25%									
		3	3-5	582	13%	211		13%	367	13%	412	12%	167	14%									
		4	6-10	440	10%	161		10%	278	10%	345	10%	88	8%									
		5	11-15	392	9%	133		8%	255	9%	327	10%	64	6%									
		6	16-20	240	5%	69		4%	171	6%	178	5%	60	5%									
		7	More than 20	374	8%	132		8%	237	8%	288	9%	80	7%									
		Total		4,484	100%	1,632	100%	2,822	100%	3,298	100%	1,155	100%										



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			All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>				
						Males		Females		Yes		No		Males		Females	Yes		No		
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
<b>6. During your last year of high school, about how many hours did you spend in a typical 7-day week doing each of the following?</b>																					
a Preparing for class (studying, reading, writing, doing homework, rehearsing, and other academic activities)	1	0	63	1%	4.0	29	1%	34	1%	42	1%	20	1%	3.9	4.0	*	-.06	4.0	3.9	.04	
	2	1-5	1,646	29%		598	30%	1,032	29%	1,256	30%	381	28%								
	3	6-10	1,194	21%		442	22%	742	21%	895	21%	289	21%								
	4	11-15	803	14%		305	15%	492	14%	567	13%	229	17%								
	5	16-20	621	11%		228	11%	391	11%	458	11%	160	12%								
	6	21-25	448	8%		138	7%	307	9%	314	7%	129	9%								
	7	26-30	345	6%		116	6%	223	6%	276	7%	63	5%								
	8	More than 30	506	9%		170	8%	332	9%	404	10%	100	7%								
	Total			5,626		100%	2,026	100%	3,553	100%	4,212	100%	1,371								100%
b Working for pay on work or off campus	1	0	3,572	66%	1.6	1,175	60%	2,368	69%	2,553	63%	995	74%	1.7	1.6	***	.14	1.7	1.5	***	.19
	2	1-5	993	18%		432	22%	554	16%	787	20%	197	15%								
	3	6-10	446	8%		183	9%	261	8%	366	9%	75	6%								
	4	11-15	180	3%		70	4%	106	3%	151	4%	28	2%								
	5	16-20	98	2%		39	2%	57	2%	75	2%	23	2%								
	6	21-25	51	1%		23	1%	28	1%	39	1%	11	1%								
	7	26-30	30	1%		11	1%	19	1%	25	1%	5	0%								
	8	More than 30	31	1%		15	1%	16	0%	25	1%	6	0%								
	Total			5,401		100%	1,948	100%	3,409	100%	4,021	100%	1,340								
c Participating in co-curricular (extracurricular) activities (organisations, school publications, student government, sports, etc.)	1	0	1,013	19%	2.5	317	16%	687	20%	824	20%	182	13%	2.6	2.5	***	.12	2.4	2.7	***	-.19
	2	1-5	2,459	45%		846	43%	1,599	46%	1,877	46%	566	42%								
	3	6-10	1,044	19%		416	21%	618	18%	729	18%	309	23%								
	4	11-15	477	9%		192	10%	280	8%	313	8%	157	12%								
	5	16-20	219	4%		100	5%	116	3%	149	4%	68	5%								
	6	21-25	131	2%		57	3%	73	2%	94	2%	37	3%								
	7	26-30	50	1%		11	1%	39	1%	38	1%	12	1%								
	8	More than 30	63	1%		24	1%	38	1%	44	1%	18	1%								
	Total			5,456		100%	1,963	100%	3,450	100%	4,068	100%	1,349								



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				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>				
							Males		Females		Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>	
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
d	Relaxing and socialising (time with friends, video games, watching TV or movies, sport, mobile and online chatting, etc.)	hsocial	1 0	74	1%	3.1	25	1%	48	1%	58	1%	15	1%								
			2 1-5	2,385	44%		789	40%	1,579	46%	1,891	46%	478	35%								
			3 6-10	1,463	27%		518	26%	934	27%	1,044	26%	412	30%								
			4 11-15	700	13%		273	14%	422	12%	484	12%	206	15%								
			5 16-20	385	7%	3.1	161	8%	219	6%	273	7%	108	8%	3.3	3.1	***	.14	3.1	3.3	***	-.17
			6 21-25	206	4%		96	5%	109	3%	148	4%	58	4%								
			7 26-30	110	2%		41	2%	67	2%	74	2%	35	3%								
			8 More than 30	157	3%		65	3%	91	3%	111	3%	45	3%								
			Total	5,480	100%		1,968	100%	3,469	100%	4,083	100%	1,357	100%								
<b>7. During your last year of high school, of the time you spent preparing for class in a typical 7-day week, how many hours were spent on assigned reading?</b>																						
		hreadasg	1 0	89	2%	3.2	39	2%	49	1%	50	1%	39	3%								
			2 1-5	2,346	42%		860	42%	1,472	41%	1,637	39%	693	51%								
			3 6-10	1,478	26%		536	26%	924	26%	1,136	27%	332	24%								
			4 11-15	697	12%		240	12%	451	13%	558	13%	132	10%								
			5 16-20	448	8%	3.2	143	7%	303	9%	355	8%	87	6%	3.2	3.3	-.03		3.3	2.9	***	.32
			6 21-25	244	4%		98	5%	143	4%	201	5%	42	3%								
			7 26-30	149	3%		40	2%	108	3%	124	3%	23	2%								
			8 More than 30	191	3%		76	4%	113	3%	168	4%	22	2%								
			Total	5,642	100%		2,032	100%	3,563	100%	4,229	100%	1,370	100%								
<b>8. During your last year of high school, about how often did you do each of the following?</b>																						
a	Attended class without having completed readings or assignments	hclunpre	1 Never	1,852	33%	1.8	609	30%	1,222	34%	1,380	33%	453	33%								
			2 Sometimes	3,245	58%		1,194	59%	2,030	57%	2,440	58%	785	57%								
			3 Often	322	6%	1.8	151	7%	167	5%	237	6%	83	6%	1.8	1.8	**	.09	1.8	1.8	.00	
			4 Very often	218	4%		74	4%	144	4%	165	4%	53	4%								
			Total	5,637	100%		2,028	100%	3,563	100%	4,222	100%	1,374	100%								



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				All Students			Gender		First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>							
							Males	Females	Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>				
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
b	Prepared two or more drafts of an assignment before handing it in	hrewropa	1	Never	460	8%	2.6	179	9%	276	8%	321	8%	136	10%	2.5	2.7	***	-.13	2.6	2.6	**	.10
		2	Sometimes	2,083	37%	808		40%	1,263	36%	1,535	37%	536	39%									
		3	Often	2,205	39%	781		39%	1,406	40%	1,691	40%	500	37%									
		4	Very often	852	15%	252		12%	592	17%	649	15%	194	14%									
		Total		5,600	100%	2,020		100%	3,537	100%	4,196	100%	1,366	100%									
c	Reached conclusions based on your own analysis of numerical information (numbers, graphs, statistics, etc.)	bownnumin	1	Never	408	7%	2.6	119	6%	286	8%	318	8%	89	7%	2.7	2.5	***	.18	2.6	2.6		-.03
		2	Sometimes	2,317	41%	778		39%	1,527	43%	1,742	42%	559	41%									
		3	Often	2,112	38%	781		39%	1,308	37%	1,569	37%	528	39%									
		4	Very often	755	14%	342		17%	409	12%	564	13%	186	14%									
		Total		5,592	100%	2,020		100%	3,530	100%	4,193	100%	1,362	100%									
d	Used numerical information (numbers, graphs, statistics, etc.) to examine a real-world problem or issue (unemployment, climate change, public health, etc.)	bnumreal	1	Never	855	15%	2.4	263	13%	581	16%	623	15%	227	17%	2.4	2.3	***	.13	2.4	2.4		-.01
		2	Sometimes	2,447	44%	850		42%	1,579	44%	1,870	44%	564	41%									
		3	Often	1,679	30%	657		32%	1,013	29%	1,255	30%	409	30%									
		4	Very often	634	11%	254		13%	376	11%	463	11%	168	12%									
		Total		5,615	100%	2,024		100%	3,549	100%	4,211	100%	1,368	100%									
e	Evaluated what others have concluded when they used numerical information (numbers, graphs, statistics, etc.)	bothnum	1	Never	862	15%	2.2	276	14%	580	16%	633	15%	221	16%	2.3	2.2	**	.08	2.2	2.2		.00
		2	Sometimes	2,871	51%	1,024		51%	1,829	52%	2,170	52%	690	50%									
		3	Often	1,471	26%	560		28%	900	25%	1,102	26%	355	26%									
		4	Very often	392	7%	150		7%	237	7%	288	7%	101	7%									
		Total		5,596	100%	2,010		100%	3,546	100%	4,193	100%	1,367	100%									
f	Identified important information from reading assignments	bidread	1	Never	45	1%	3.2	22	1%	23	1%	31	1%	14	1%	3.1	3.2	***	-.14	3.2	3.1	**	.08
		2	Sometimes	856	15%	347		17%	501	14%	620	15%	231	17%									
		3	Often	2,704	48%	1,004		50%	1,682	47%	2,022	48%	670	49%									
		4	Very often	2,002	36%	644		32%	1,344	38%	1,530	36%	453	33%									
		Total		5,607	100%	2,017		100%	3,550	100%	4,203	100%	1,368	100%									



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				All Students			Gender		First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>							
							Males	Females	Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>				
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
g	Reviewed your notes after class	brevnotes	1	Never	196	4%	2.9	94	5%	101	3%	125	3%	71	5%	2.9	2.9	***	-.10	3.0	2.7	***	.26
2	Sometimes	1,729	31%	651	32%	1,067		30%	1,207	29%	515	38%											
3	Often	2,067	37%	720	36%	1,333		38%	1,571	38%	480	35%											
4	Very often	1,589	28%	543	27%	1,032		29%	1,280	31%	297	22%											
Total					5,581	100%		2,008	100%	3,533	100%	4,183	100%	1,363	100%								
h	Summarised what you learned in class or from subject materials	bsummat	1	Never	193	3%	3.0	101	5%	92	3%	131	3%	62	5%	2.9	3.0	***	-.19	3.0	2.9	**	.08
2	Sometimes	1,642	29%	645	32%	988		28%	1,199	29%	436	32%											
3	Often	1,971	35%	713	35%	1,241		35%	1,513	36%	445	33%											
4	Very often	1,776	32%	551	27%	1,213		34%	1,341	32%	422	31%											
Total					5,582	100%		2,010	100%	3,534	100%	4,184	100%	1,365	100%								
i	Included diverse perspectives (political, religious, racial/ethnic, gender, economic, etc.) in subject discussions or writing assignments	bdivclass	1	Never	680	12%	2.4	270	13%	406	11%	478	11%	199	15%	2.4	2.4	-.04	2.4	2.4		.01	
2	Sometimes	2,686	48%	946	47%	1,720		49%	2,042	49%	631	46%											
3	Often	1,572	28%	583	29%	975		28%	1,207	29%	350	26%											
4	Very often	658	12%	221	11%	434		12%	466	11%	187	14%											
Total					5,596	100%		2,020	100%	3,535	100%	4,193	100%	1,367	100%								
j	Examined the strengths and weaknesses of your own views on a topic or issue	bownview	1	Never	323	6%	2.7	133	7%	190	5%	221	5%	100	7%	2.7	2.7	-.01	2.7	2.6	*	.07	
2	Sometimes	2,090	37%	730	36%	1,343		38%	1,552	37%	525	38%											
3	Often	2,177	39%	803	40%	1,358		38%	1,667	40%	497	36%											
4	Very often	1,012	18%	359	18%	646		18%	761	18%	243	18%											
Total					5,602	100%		2,025	100%	3,537	100%	4,201	100%	1,365	100%								
k	Tried to better understand someone else's views by imagining how an issue looks from his or her point of view	bothrview	1	Never	168	3%	2.9	66	3%	102	3%	118	3%	50	4%	2.9	2.9	-.04	2.9	2.9		.00	
2	Sometimes	1,565	28%	585	29%	970		27%	1,192	28%	363	27%											
3	Often	2,316	41%	814	40%	1,482		42%	1,724	41%	577	42%											
4	Very often	1,552	28%	550	27%	991		28%	1,164	28%	377	28%											
Total					5,601	100%		2,015	100%	3,545	100%	4,198	100%	1,367	100%								



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			All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>							
						Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	ES <sup>f</sup>	
			Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	ES <sup>f</sup>		
<b>9. During your high school years, how involved were you in the following activities at your school or elsewhere?</b>																					
a Performing or visual arts groups (choir, drama, art, etc.)	hinvarts	1 Not at all	2,196	39%	2.1	903	45%	1,281	36%	1,666	40%	513	38%	2.0	2.2	***	-.18	2.1	2.2	-.04	
		2 Some	1,399	25%		491	24%	901	25%	1,033	25%	360	26%								
		3 Quite a bit	1,009	18%		323	16%	672	19%	779	19%	225	16%								
		4 Very much	1,008	18%		304	15%	697	20%	730	17%	270	20%								
	Total	5,612	100%	2,021	100%	3,551	100%	4,208	100%	1,368	100%										
b Athletic/sports teams	hinvathl	1 Not at all	1,720	31%	2.4	438	22%	1,272	36%	1,385	33%	325	24%	2.6	2.2	***	.36	2.3	2.6	***	-.24
		2 Some	1,428	26%		499	25%	923	26%	1,078	26%	344	25%								
		3 Quite a bit	1,029	18%		414	21%	600	17%	750	18%	267	20%								
		4 Very much	1,411	25%		657	33%	746	21%	971	23%	432	32%								
	Total	5,588	100%	2,008	100%	3,541	100%	4,184	100%	1,368	100%										
c Student leadership (prefect, matric committee, captain, etc.)	hstugov	1 Not at all	1,699	30%	2.5	563	28%	1,124	32%	1,325	32%	360	26%	2.5	2.4	.02	2.4	2.6	***	-.16	
		2 Some	1,231	22%		479	24%	745	21%	930	22%	295	22%								
		3 Quite a bit	1,090	20%		429	21%	654	19%	835	20%	252	18%								
		4 Very much	1,561	28%		535	27%	1,010	29%	1,086	26%	462	34%								
	Total	5,581	100%	2,006	100%	3,533	100%	4,176	100%	1,369	100%										
d Publications (school newspaper, magazine, etc.)	hinvpubs	1 Not at all	3,926	70%	1.5	1,416	71%	2,485	70%	2,941	70%	961	70%	1.5	1.5	-.02	1.5	1.5	.01		
		2 Some	945	17%		341	17%	591	17%	696	17%	241	18%								
		3 Quite a bit	458	8%		159	8%	298	8%	352	8%	104	8%								
		4 Very much	251	4%		85	4%	166	5%	187	4%	62	5%								
	Total	5,580	100%	2,001	100%	3,540	100%	4,176	100%	1,368	100%										
e Academic clubs (debate, library, biology, etc.) or honorary societies	hinvhono	1 Not at all	2,191	39%	2.1	843	42%	1,337	38%	1,590	38%	588	43%	2.0	2.1	***	-.11	2.1	2.0	**	.10
		2 Some	1,561	28%		562	28%	983	28%	1,190	28%	364	27%								
		3 Quite a bit	943	17%		337	17%	598	17%	707	17%	228	17%								
		4 Very much	893	16%		270	13%	618	17%	695	17%	190	14%								
	Total	5,588	100%	2,012	100%	3,536	100%	4,182	100%	1,370	100%										



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>								
				All Students			Gender		First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>						
							Males	Females	Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
f	Vocational clubs (photography, computer clubs, boy scouts, first aid, etc.)	hinvvcl	1	Not at all	3,647	65%	1.5	1,243	62%	2,383	68%	2,759	66%	865	64%	1.6	1.5	***	.12	1.5	1.6	-.05
2	Some	1,139	20%	444	22%	684		19%	842	20%	288	21%										
3	Quite a bit	517	9%	204	10%	307		9%	377	9%	137	10%										
4	Very much	271	5%	116	6%	154		4%	199	5%	71	5%										
Total				5,574	100%		2,007	100%	3,528	100%	4,177	100%	1,361	100%								
g	Religious youth groups	hrelgrp	1	Not at all	2,482	45%	2.0	1,000	50%	1,460	41%	1,908	46%	557	41%	1.9	2.1	***	-.19	2.0	2.1	* -0.7
2	Some	1,425	26%	498	25%	917		26%	1,050	25%	368	27%										
3	Quite a bit	850	15%	280	14%	566		16%	606	14%	238	18%										
4	Very much	820	15%	231	11%	586		17%	617	15%	197	14%										
Total				5,577	100%		2,009	100%	3,529	100%	4,181	100%	1,360	100%								
h	Community service or volunteer work	hvolntr	1	Not at all	1,638	29%	2.2	647	32%	974	28%	1,220	29%	408	30%	2.1	2.3	***	-.13	2.2	2.2	.02
2	Some	1,977	35%	718	36%	1,249		35%	1,475	35%	488	36%										
3	Quite a bit	1,170	21%	408	20%	753		21%	889	21%	273	20%										
4	Very much	796	14%	240	12%	554		16%	600	14%	193	14%										
Total				5,581	100%		2,013	100%	3,530	100%	4,184	100%	1,362	100%								
<b>10. During your last year of high school, to what extent have your subjects required you to do your best work?</b>																						
	hacachal	1	Not at all	22	0%	3.6	10	1%	11	0%	19	0%	3	0%	3.5	3.6	***	-.21	3.6	3.5	*** .13	
		2	Some	410	7%		185	9%	220	6%	288	7%	121	9%								
		3	Quite a bit	1,471	27%		598	31%	861	25%	1,041	25%	420	31%								
		4	Very much	3,586	65%		1,166	60%	2,396	69%	2,751	67%	810	60%								
Total				5,489	100%		1,959	100%	3,488	100%	4,099	100%	1,354	100%								





# BUSSE 2019 Frequencies and Mean Comparisons

## BUSSEville University

Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
			All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>					
						Males		Females		Yes		No		Males		Females	Yes		No			
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
<b>11. During the coming academic year, about how many hours do you expect to spend in a typical 7-day week doing each of the following?</b>																						
a Preparing for class (studying, reading, writing, doing homework or lab work, analysing data, rehearsing, and other academic activities)	cacadpr	1	0	23	0%	4.5	14	1%	8	0%	16	0%	7	1%	4.4	4.5	**	-.07	4.5	4.4	.01	
		2	1-5	1,113	20%		434	22%	671	19%	861	21%	246	18%								
		3	6-10	1,156	21%		402	20%	743	21%	851	20%	297	22%								
		4	11-15	851	15%		306	15%	538	15%	634	15%	209	15%								
		5	16-20	732	13%		268	13%	458	13%	526	13%	203	15%								
		6	21-25	569	10%		200	10%	366	10%	412	10%	150	11%								
		7	26-30	468	8%		157	8%	306	9%	357	9%	108	8%								
		8	More than 30	689	12%		229	11%	459	13%	540	13%	147	11%								
		Total			5,601		100%		2,010	100%	3,549	100%	4,197	100%								1,367
b Working for pay on or off campus	cwork	1	0	2,513	45%	2.1	836	42%	1,652	47%	1,784	43%	713	52%	2.2	2.0	**	.09	2.2	1.9	***	.23
		2	1-5	1,525	27%		557	28%	962	27%	1,165	28%	352	26%								
		3	6-10	772	14%		306	15%	461	13%	606	15%	161	12%								
		4	11-15	344	6%		147	7%	194	6%	272	7%	68	5%								
		5	16-20	206	4%		79	4%	126	4%	167	4%	38	3%								
		6	21-25	115	2%		44	2%	71	2%	99	2%	15	1%								
		7	26-30	47	1%		15	1%	32	1%	39	1%	8	1%								
		8	More than 30	41	1%		15	1%	25	1%	36	1%	5	0%								
		Total			5,563		100%		1,999	100%	3,523	100%	4,168	100%								
c Participating in co-curricular activities (organisations, campus publications, student government, SRC projects, intervarsity or inter-residence sports, etc.)	ccocurr	1	0	1,530	28%	2.4	491	25%	1,024	29%	1,149	28%	375	28%	2.5	2.3	***	.12	2.4	2.3	.06	
		2	1-5	2,152	39%		754	38%	1,385	39%	1,619	39%	520	38%								
		3	6-10	1,027	18%		402	20%	619	18%	744	18%	279	20%								
		4	11-15	419	8%		168	8%	248	7%	309	7%	105	8%								
		5	16-20	228	4%		97	5%	130	4%	178	4%	48	4%								
		6	21-25	117	2%		48	2%	68	2%	91	2%	25	2%								
		7	26-30	51	1%		20	1%	31	1%	45	1%	6	0%								
		8	More than 30	39	1%		15	1%	23	1%	35	1%	3	0%								
		Total			5,563		100%		1,995	100%	3,528	100%	4,170	100%								1,361



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>								
				All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>							
							Males	Females	Yes		No		Males	Females	Yes	No						
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
d	Relaxing and socialising (time with friends, video games, watching TV or movies, sport, mobile and online chatting, etc.)	csocial	1 0	162	3%		51	3%	107	3%	132	3%	29	2%								
			2 1-5	2,783	50%		951	48%	1,814	51%	2,198	53%	571	42%								
			3 6-10	1,423	26%		496	25%	914	26%	984	24%	429	31%								
			4 11-15	649	12%	2.8	277	14%	369	10%	450	11%	193	14%								
			5 16-20	289	5%		112	6%	177	5%	216	5%	72	5%	2.9	2.8	***	.12	2.8	3.0	***	-.14
			6 21-25	125	2%		48	2%	76	2%	87	2%	36	3%								
			7 26-30	78	1%		34	2%	43	1%	59	1%	19	1%								
			8 More than 30	57	1%		26	1%	31	1%	43	1%	14	1%								
			Total	5,566	100%		1,995	100%	3,531	100%	4,169	100%	1,363	100%								
<b>12. During the coming academic year, of the time you expect to spend preparing for class in a typical 7-day week, about how many hours will be spent on assigned reading?</b>																						
	breadasgn		1 0	24	0%		12	1%	12	0%	13	0%	11	1%								
			2 1-5	1,148	21%		412	21%	729	21%	817	20%	325	24%								
			3 6-10	1,451	26%		528	27%	908	26%	1,033	25%	410	30%								
			4 11-15	947	17%	4.1	351	18%	591	17%	707	17%	232	17%								
			5 16-20	790	14%		268	14%	518	15%	608	15%	181	13%	4.0	4.1	-.02		4.2	3.8	***	.26
			6 21-25	490	9%		151	8%	334	10%	398	10%	86	6%								
			7 26-30	288	5%		117	6%	170	5%	244	6%	42	3%								
			8 More than 30	397	7%		141	7%	253	7%	324	8%	69	5%								
			Total	5,535	100%		1,980	100%	3,515	100%	4,144	100%	1,356	100%								
<b>13. During the coming academic year, about how often do you expect to do each of the following?</b>																						
a	Ask another student to help you understand subject material	bhelpund	1 Never	82	1%		38	2%	44	1%	60	1%	22	2%								
			2 Sometimes	2,240	40%		859	42%	1,359	38%	1,668	40%	557	41%								
			3 Often	2,012	36%	2.8	703	35%	1,296	36%	1,469	35%	534	39%	2.7	2.8	***	-.11	2.8	2.7	**	.09
			4 Very often	1,291	23%		423	21%	864	24%	1,023	24%	258	19%								
			Total	5,625	100%		2,023	100%	3,563	100%	4,220	100%	1,371	100%								



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>								
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>				
							Males		Females		Yes		No		Males		Females	Yes		No		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
b Explain subject material to other students	btutor	1	Never	89	2%	2.8	41	2%	48	1%	59	1%	30	2%	2.8	2.8	-.03	2.8	2.7	***	.14	
		2	Sometimes	2,019	36%		733	36%	1,269	36%	1,487	35%	521	38%								
		3	Often	2,328	42%		825	41%	1,490	42%	1,722	41%	594	43%								
		4	Very often	1,171	21%		416	21%	746	21%	936	22%	224	16%								
		Total	5,607	100%	2,015		100%	3,553	100%	4,204	100%	1,369	100%									
c Prepare for exams by discussing or working through subject material with other students	bprepexam	1	Never	247	4%	2.9	99	5%	146	4%	163	4%	83	6%	2.9	3.0	-.05	3.0	2.8	***	.23	
		2	Sometimes	1,555	28%		560	28%	987	28%	1,113	26%	430	32%								
		3	Often	2,046	36%		756	38%	1,271	36%	1,506	36%	530	39%								
		4	Very often	1,758	31%		598	30%	1,150	32%	1,426	34%	321	24%								
		Total	5,606	100%	2,013		100%	3,554	100%	4,208	100%	1,364	100%									
d Work with other students on projects or assignments	cclassgr	1	Never	128	2%	3.0	59	3%	69	2%	89	2%	39	3%	2.9	3.0	***	-.09	3.0	2.9	***	.15
		2	Sometimes	1,572	28%		591	29%	965	27%	1,144	27%	410	30%								
		3	Often	2,177	39%		786	39%	1,374	39%	1,592	38%	576	42%								
		4	Very often	1,717	31%		573	29%	1,137	32%	1,372	33%	338	25%								
		Total	5,594	100%	2,009		100%	3,545	100%	4,197	100%	1,363	100%									
e Talk about your career plans with a lecturer	bfacplans	1	Never	1,091	19%	2.2	369	18%	711	20%	774	18%	308	23%	2.2	2.2	.03	2.3	2.1	***	.22	
		2	Sometimes	2,789	50%		997	49%	1,771	50%	2,049	49%	725	53%								
		3	Often	1,156	21%		463	23%	689	19%	907	22%	243	18%								
		4	Very often	571	10%		188	9%	380	11%	478	11%	89	7%								
		Total	5,607	100%	2,017		100%	3,551	100%	4,208	100%	1,365	100%									
f Work with a staff member on activities other than academic work (committees, projects, student groups, etc.)	cfacoth	1	Never	1,241	22%	2.2	434	22%	789	22%	890	21%	344	25%	2.2	2.2	-.01	2.2	2.1	***	.14	
		2	Sometimes	2,721	48%		982	49%	1,727	49%	2,041	48%	666	49%								
		3	Often	1,185	21%		456	23%	725	20%	897	21%	279	20%								
		4	Very often	470	8%		146	7%	319	9%	386	9%	81	6%								
		Total	5,617	100%	2,018		100%	3,560	100%	4,214	100%	1,370	100%									



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
				All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>								
							Males	Females	Yes		No		Males	Females	Yes		No						
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
g	Discuss your academic performance with a lecturer	cfacgrad	1	Never	756	13%	2.5	261	13%	486	14%	565	13%	182	13%	2.5	2.5	-.04	2.5	2.4	***	.17	
2	Sometimes	2,245	40%	852	42%	1,382		39%	1,615	38%	623	45%											
3	Often	1,666	30%	596	30%	1,058		30%	1,244	30%	413	30%											
4	Very often	945	17%	311	15%	628		18%	784	19%	152	11%											
			Total	5,612	100%		2,020	100%	3,554	100%	4,208	100%	1,370	100%									
h	Discuss subject topics, ideas, or concepts with a lecturer outside of class	cfacidea	1	Never	1,004	18%	2.3	319	16%	677	19%	701	17%	293	21%	2.4	2.3	**	.09	2.3	2.2	***	.20
2	Sometimes	2,548	46%	911	45%	1,625		46%	1,878	45%	657	48%											
3	Often	1,385	25%	529	26%	843		24%	1,081	26%	297	22%											
4	Very often	656	12%	248	12%	403		11%	534	13%	118	9%											
			Total	5,593	100%		2,007	100%	3,548	100%	4,194	100%	1,365	100%									
i	Prepare two or more drafts of a paper or assignment before handing it in	brewropap	1	Never	229	4%	2.9	99	5%	128	4%	150	4%	78	6%	2.8	2.9	***	-.16	2.9	2.7	***	.21
2	Sometimes	1,667	30%	659	33%	995		28%	1,186	28%	473	35%											
3	Often	2,296	41%	829	41%	1,455		41%	1,733	41%	550	40%											
4	Very often	1,394	25%	423	21%	961		27%	1,115	27%	267	20%											
			Total	5,586	100%		2,010	100%	3,539	100%	4,184	100%	1,368	100%									
j	Attend class without having completed readings or assignments	bclunprep	1	Never	3,217	57%	1.6	1,082	54%	2,113	59%	2,431	58%	764	56%	1.6	1.5	**	.09	1.6	1.6		.02
2	Sometimes	1,811	32%	705	35%	1,094		31%	1,320	31%	483	35%											
3	Often	352	6%	159	8%	189		5%	271	6%	77	6%											
4	Very often	232	4%	74	4%	158		4%	187	4%	45	3%											
			Total	5,612	100%		2,020	100%	3,554	100%	4,209	100%	1,369	100%									



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>													
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>									
							Males		Females		Yes		No		Males		Females	Yes		No							
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>					
<b>14. During the coming academic year, about how often do you expect to have discussions with people from the following groups?</b>																											
a	People of a race or ethnicity other than your own	cdivrstu	1	Never	159	3%	3.1	73	4%	83	2%	122	3%	36	3%	3.0	3.1	***	-.16	3.0	3.1	***	-.11				
			2	Sometimes	1,347	24%		542	27%	792	22%	1,047	25%	291	21%												
			3	Often	2,089	37%		744	37%	1,329	38%	1,574	38%	501	37%												
			4	Very often	1,983	36%		643	32%	1,335	38%	1,437	34%	536	39%												
			Total		5,578	100%		2,002	100%	3,539	100%	4,180	100%	1,364	100%												
b	People from an economic background other than your own	bdiffecon	1	Never	129	2%	3.1	52	3%	75	2%	109	3%	20	1%	3.0	3.1	***	-.14	3.0	3.1	***	-.16				
			2	Sometimes	1,297	23%		520	26%	761	22%	1,022	25%	263	19%												
			3	Often	2,290	41%		832	42%	1,443	41%	1,703	41%	575	42%												
			4	Very often	1,852	33%		592	30%	1,256	36%	1,337	32%	505	37%												
			Total		5,568	100%		1,996	100%	3,535	100%	4,171	100%	1,363	100%												
c	People with religious beliefs other than your own	bdiffstu2	1	Never	216	4%	2.9	92	5%	120	3%	152	4%	62	5%	2.9	3.0	***	-.11	2.9	3.0	***	-.05				
			2	Sometimes	1,628	29%		607	30%	1,002	28%	1,257	30%	359	26%												
			3	Often	2,075	37%		775	39%	1,290	37%	1,551	37%	514	38%												
			4	Very often	1,637	29%		521	26%	1,111	32%	1,200	29%	427	31%												
			Total		5,556	100%		1,995	100%	3,523	100%	4,160	100%	1,362	100%												
d	People with political views other than your own	bdiffview	1	Never	355	6%	2.9	148	7%	207	6%	295	7%	59	4%	2.8	2.9	-	-.03	2.8	2.9						
			2	Sometimes	1,736	31%		597	30%	1,120	32%	1,351	32%	373	28%												
			3	Often	1,838	33%		681	34%	1,146	33%	1,343	32%	488	36%												
			4	Very often	1,618	29%		565	28%	1,046	30%	1,168	28%	436	32%												
			Total		5,547	100%		1,991	100%	3,519	100%	4,157	100%	1,356	100%												
<b>15. During the coming academic year, how certain are you that you will do the following?</b>																											
a	Study when there are other interesting things to do	cotherint	1	Not at all certain	211	4%	4.3	69	3%	138	4%	179	4%	30	2%	4.3	4.4	**	-.09	4.3	4.4	**	.03				
			2		446	8%		190	9%	252	7%	339	8%	106	8%												
			3		908	16%		342	17%	558	16%	660	16%	241	18%												
			4		1,269	23%		478	24%	779	22%	912	22%	354	26%												
			5		1,225	22%		423	21%	798	23%	896	21%	319	23%												
			6	Very certain	1,537	27%		515	26%	1,016	29%	1,208	29%	318	23%												
			Total		5,596	100%		2,017	100%	3,541	100%	4,194	100%	1,368	100%												



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>					
							Males		Females		Yes		No		Males		Females	Yes		No			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
b	Find additional information for subject assignments when you don't understand the material	cfindinfo	1	Not at all certain	53	1%		20	1%	33	1%	41	1%	11	1%								
			2		203	4%		92	5%	109	3%	155	4%	46	3%								
			3		524	9%		229	11%	288	8%	392	9%	129	9%								
			4		932	17%	5.0	363	18%	561	16%	647	15%	280	20%	4.8	5.0	***	-.17	5.0	4.9	**	.09
			5		1,311	23%		475	24%	831	23%	953	23%	353	26%								
			6	Very certain	2,567	46%		834	41%	1,717	49%	2,000	48%	549	40%								
			Total		5,590	100%		2,013	100%	3,539	100%	4,188	100%	1,368	100%								
c	Participate regularly in subject discussions, even when you don't feel like it	ccourdis	1	Not at all certain	221	4%		80	4%	140	4%	168	4%	52	4%								
			2		562	10%		227	11%	327	9%	409	10%	148	11%								
			3		1,155	21%		458	23%	693	20%	812	19%	334	24%								
			4		1,322	24%	4.1	496	25%	816	23%	971	23%	345	25%	4.0	4.1	***	-.12	4.1	3.9	***	.16
			5		1,220	22%		381	19%	831	24%	921	22%	291	21%								
			6	Very certain	1,099	20%		367	18%	725	21%	898	21%	196	14%								
			Total		5,579	100%		2,009	100%	3,532	100%	4,179	100%	1,366	100%								
d	Ask lecturers for help when you struggle with subject assignments	caskinst	1	Not at all certain	150	3%		58	3%	91	3%	111	3%	36	3%								
			2		390	7%		156	8%	231	7%	299	7%	89	7%								
			3		705	13%		267	13%	435	12%	486	12%	215	16%								
			4		959	17%	4.6	362	18%	585	17%	673	16%	283	21%	4.6	4.7	**	-.08	4.7	4.5	***	.16
			5		1,193	21%		420	21%	763	22%	863	21%	323	24%								
			6	Very certain	2,167	39%		740	37%	1,418	40%	1,735	42%	417	31%								
			Total		5,564	100%		2,003	100%	3,523	100%	4,167	100%	1,363	100%								
e	Finish something you have started when you encounter challenges	cfinish	1	Not at all certain	79	1%		20	1%	58	2%	70	2%	9	1%								
			2		180	3%		71	4%	109	3%	147	4%	31	2%								
			3		522	9%		196	10%	320	9%	399	10%	118	9%								
			4		906	16%	4.9	351	17%	547	16%	647	16%	255	19%	4.9	4.9		-.03	4.9	4.9		-.04
			5		1,547	28%		542	27%	994	28%	1,138	27%	404	30%								
			6	Very certain	2,339	42%		829	41%	1,498	42%	1,773	42%	549	40%								
			Total		5,573	100%		2,009	100%	3,526	100%	4,174	100%	1,366	100%								



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>					
							Males		Females		Yes		No		Males		Females	Yes		No			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
f	Stay positive, even when you do poorly on a test or assignment	cstaypos	1	Not at all certain	139	2%	5.0	43	2%	96	3%	105	3%	33	2%	5.0	5.0	.04	5.1	4.8	***	.22	
		2		227	4%	74		4%	150	4%	168	4%	59	4%									
		3		419	7%	155		8%	261	7%	288	7%	127	9%									
		4		787	14%	272		14%	510	14%	519	12%	266	19%									
		5		1,115	20%	402		20%	707	20%	769	18%	336	25%									
		6	Very certain	2,902	52%	1,063		53%	1,818	51%	2,341	56%	545	40%									
			Total	5,589	100%		2,009	100%	3,542	100%	4,190	100%	1,366	100%									
<b>16. During the coming academic year, how difficult do you expect the following to be?</b>																							
a	Learning subject material	clearnma	1	Not at all difficult	712	13%	3.4	238	12%	471	13%	610	15%	99	7%	3.3	3.4	-.04	3.3	3.6	***	-.27	
		2		869	15%	339		17%	522	15%	687	16%	176	13%									
		3		1,429	25%	547		27%	869	24%	1,067	25%	353	26%									
		4		1,360	24%	477		24%	876	25%	967	23%	385	28%									
		5		772	14%	271		13%	495	14%	541	13%	226	16%									
		6	Very difficult	469	8%	147		7%	321	9%	332	8%	135	10%									
			Total	5,611	100%		2,019	100%	3,554	100%	4,204	100%	1,374	100%									
b	Managing your time	cmantime	1	Not at all difficult	698	12%	3.6	261	13%	430	12%	603	14%	84	6%	3.6	3.7	**	-.09	3.5	4.0	***	-.29
		2		816	15%	314		16%	497	14%	661	16%	151	11%									
		3		1,060	19%	403		20%	647	18%	792	19%	263	19%									
		4		1,185	21%	417		21%	760	21%	825	20%	357	26%									
		5		921	16%	321		16%	594	17%	645	15%	273	20%									
		6	Very difficult	928	17%	298		15%	627	18%	677	16%	243	18%									
			Total	5,608	100%		2,014	100%	3,555	100%	4,203	100%	1,371	100%									
c	Paying university expenses	cpaycoll	1	Not at all difficult	1,140	20%	3.6	367	18%	767	22%	885	21%	249	18%	3.7	3.6	*	.07	3.6	3.6		.03
		2		776	14%	265		13%	502	14%	574	14%	197	14%									
		3		795	14%	297		15%	490	14%	559	13%	229	17%									
		4		767	14%	312		15%	451	13%	555	13%	206	15%									
		5		732	13%	271		13%	456	13%	533	13%	198	14%									
		6	Very difficult	1,391	25%	509		25%	876	25%	1,096	26%	287	21%									
			Total	5,601	100%		2,021	100%	3,542	100%	4,202	100%	1,366	100%									



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>								
				All Students			Gender		First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>						
							Males	Females	Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>		
d	Getting help with academic work	cgethelp	1	Not at all difficult	1,219	22%	3.0	404	20%	810	23%	963	23%	246	18%	3.0	3.0	.03	3.0	2.9	.06	
		2		1,111	20%	408		20%	694	20%	801	19%	306	22%								
		3		1,271	23%	478		24%	784	22%	884	21%	381	28%								
		4		957	17%	370		18%	581	16%	705	17%	246	18%								
		5		612	11%	195		10%	412	12%	484	12%	123	9%								
		6	Very difficult	428	8%	161		8%	263	7%	358	9%	68	5%								
		Total		5,598	100%		2,016	100%	3,544	100%	4,195	100%	1,370	100%								
e	Making new friends	cmakefr	1	Not at all difficult	1,448	26%	3.1	563	28%	876	25%	1,094	26%	346	25%	3.0	3.2	***	-.15	3.1	3.1	.05
		2		993	18%	382		19%	598	17%	722	17%	265	19%								
		3		922	16%	327		16%	592	17%	697	17%	220	16%								
		4		756	13%	288		14%	465	13%	540	13%	213	16%								
		5		607	11%	229		11%	372	10%	452	11%	149	11%								
		6	Very difficult	879	16%	226		11%	649	18%	697	17%	177	13%								
		Total		5,605	100%		2,015	100%	3,552	100%	4,202	100%	1,370	100%								
f	Interacting with staff	cintfac	1	Not at all difficult	905	16%	3.4	362	18%	537	15%	711	17%	185	13%	3.2	3.5	***	-.15	3.4	3.4	.00
		2		996	18%	366		18%	622	18%	738	18%	254	19%								
		3		1,182	21%	465		23%	711	20%	858	21%	322	23%								
		4		866	16%	315		16%	547	15%	614	15%	247	18%								
		5		797	14%	274		14%	515	15%	604	14%	185	13%								
		6	Very difficult	837	15%	229		11%	602	17%	655	16%	178	13%								
		Total		5,583	100%		2,011	100%	3,534	100%	4,180	100%	1,371	100%								





## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>											Mean Comparisons <sup>c</sup>							
			All Students			Gender		First-generation <sup>a</sup>				Gender		First-generation <sup>a</sup>							
						Males	Females	Yes		No		Males	Females	Yes		No					
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
<b>17. During the coming academic year, about how many papers, reports, or other writing tasks of the following length do you expect to complete?</b>																					
a Up to 5 pages	bwritesml	1 None	108	2%	4.0	40	2%	66	2%	75	2%	32	2%	3.9	4.0	-.04	4.0	3.9		.04	
		2 1-2	653	12%		236	12%	413	12%	477	12%	175	14%								
		3 3-5	1,699	32%		629	33%	1,061	32%	1,290	33%	398	31%								
		4 6-10	1,244	24%		456	24%	780	23%	935	24%	307	24%								
		5 11-15	596	11%		217	11%	379	11%	435	11%	156	12%								
		6 16-20	347	7%		132	7%	211	6%	260	7%	86	7%								
		7 More than 20	618	12%		197	10%	418	13%	476	12%	139	11%								
		Total	5,265	100%		1,907	100%	3,328	100%	3,948	100%	1,293	100%								
b Between 6 and 10 pages	bwritemid	1 None	279	5%	3.8	107	6%	169	5%	209	5%	70	5%	3.7	3.9	***	-.11	3.9	3.7	***	.11
		2 1-2	689	13%		276	15%	408	12%	480	12%	206	16%								
		3 3-5	1,212	23%		477	25%	731	22%	881	23%	328	26%								
		4 6-10	1,491	29%		520	28%	961	29%	1,148	30%	333	26%								
		5 11-15	771	15%		269	14%	498	15%	592	15%	174	14%								
		6 16-20	426	8%		131	7%	294	9%	317	8%	107	8%								
		7 More than 20	327	6%		106	6%	218	7%	261	7%	64	5%								
		Total	5,195	100%		1,886	100%	3,279	100%	3,888	100%	1,282	100%								
c 11 pages or more	bwritemor	1 None	735	14%	3.8	282	15%	445	13%	533	14%	199	15%	3.6	3.9	***	-.15	3.8	3.6	***	.14
		2 1-2	896	17%		365	19%	525	16%	636	16%	258	20%								
		3 3-5	886	17%		344	18%	541	16%	659	17%	223	17%								
		4 6-10	803	15%		312	16%	487	15%	591	15%	209	16%								
		5 11-15	825	16%		275	14%	547	17%	635	16%	185	14%								
		6 16-20	514	10%		154	8%	357	11%	400	10%	112	9%								
		7 More than 20	580	11%		171	9%	406	12%	458	12%	117	9%								
		Total	5,239	100%		1,903	100%	3,308	100%	3,912	100%	1,303	100%								



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>												Mean Comparisons <sup>c</sup>					
			All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>			
						Males		Females		Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>
			Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean
<b>18. How prepared are you to do the following in your academic work at this university?</b>																				
a Write clearly and effectively	cgnwrite	1 Not at all prepared	41	1%		14	1%	25	1%	32	1%	8	1%							
		2	164	3%		78	4%	82	2%	128	3%	36	3%							
		3	500	9%		233	12%	266	8%	366	9%	130	10%							
		4	966	17%	5.0	398	20%	559	16%	705	17%	255	19%	4.8	5.1	***	-.23	5.0	5.0	.05
		5	1,295	23%		461	23%	825	23%	946	23%	340	25%							
		6 Very prepared	2,610	47%		831	41%	1,768	50%	2,004	48%	594	44%							
		Total	5,576	100%		2,015	100%	3,525	100%	4,181	100%	1,363	100%							
b Speak clearly and effectively	cgnspeak	1 Not at all prepared	74	1%		31	2%	43	1%	61	1%	13	1%							
		2	188	3%		71	4%	113	3%	146	3%	39	3%							
		3	518	9%		215	11%	297	8%	395	9%	122	9%							
		4	1,131	20%	4.8	431	21%	693	20%	852	20%	271	20%	4.8	4.9	***	-.10	4.8	4.9	-.04
		5	1,500	27%		522	26%	968	27%	1,100	26%	391	29%							
		6 Very prepared	2,168	39%		744	37%	1,415	40%	1,632	39%	525	39%							
		Total	5,579	100%		2,014	100%	3,529	100%	4,186	100%	1,361	100%							
c Think critically and analytically	cgnanaly	1 Not at all prepared	30	1%		11	1%	19	1%	27	1%	3	0%							
		2	125	2%		43	2%	81	2%	96	2%	28	2%							
		3	488	9%		173	9%	310	9%	363	9%	119	9%							
		4	1,140	21%	4.9	400	20%	730	21%	817	20%	318	23%	4.9	4.9		.04	4.9	4.9	.05
		5	1,682	30%		595	30%	1,080	31%	1,252	30%	426	31%							
		6 Very prepared	2,087	38%		785	39%	1,291	37%	1,604	39%	467	34%							
		Total	5,552	100%		2,007	100%	3,511	100%	4,159	100%	1,361	100%							
d Analyse numerical and statistical information	cgnquant	1 Not at all prepared	119	2%		23	1%	95	3%	84	2%	34	2%							
		2	266	5%		76	4%	188	5%	198	5%	66	5%							
		3	829	15%		280	14%	542	15%	628	15%	197	14%							
		4	1,354	24%	4.5	461	23%	884	25%	990	24%	357	26%	4.6	4.4	***	.16	4.5	4.4	.06
		5	1,529	27%		563	28%	955	27%	1,135	27%	384	28%							
		6 Very prepared	1,470	26%		601	30%	863	24%	1,139	27%	323	24%							
		Total	5,567	100%		2,004	100%	3,527	100%	4,174	100%	1,361	100%							



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>					
							Males		Females		Yes		No		Males		Females	Yes		No			
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
e	Work effectively with others	cgnother	1	Not at all prepared	77	1%	4.9	27	1%	49	1%	54	1%	22	2%	4.8	4.9	***	-.10	4.9	4.8	***	.14
		2		177	3%	78		4%	99	3%	143	3%	30	2%									
		3		504	9%	202		10%	296	8%	360	9%	140	10%									
		4		1,040	19%	394		20%	637	18%	732	18%	304	22%									
		5		1,521	27%	542		27%	965	27%	1,089	26%	428	32%									
		6	Very prepared	2,234	40%	760		38%	1,468	42%	1,786	43%	433	32%									
			Total	5,553	100%		2,003	100%	3,514	100%	4,164	100%	1,357	100%									
f	Use computing and information technology	cgncmpt	1	Not at all prepared	79	1%	5.0	26	1%	52	1%	65	2%	12	1%	5.0	5.0	.04	5.0	4.9	**	.09	
		2		176	3%	52		3%	122	3%	127	3%	48	4%									
		3		451	8%	180		9%	268	8%	328	8%	120	9%									
		4		904	16%	298		15%	597	17%	641	15%	259	19%									
		5		1,369	25%	492		25%	868	25%	1,012	24%	353	26%									
		6	Very prepared	2,576	46%	957		48%	1,607	46%	1,990	48%	569	42%									
			Total	5,555	100%		2,005	100%	3,514	100%	4,163	100%	1,361	100%									
g	Learn effectively on your own	cgningq	1	Not at all prepared	41	1%	5.3	15	1%	26	1%	32	1%	8	1%	5.2	5.3	***	-.10	5.3	5.2	*	.07
		2		86	2%	29		1%	55	2%	64	2%	20	1%									
		3		268	5%	119		6%	147	4%	194	5%	71	5%									
		4		695	13%	285		14%	408	12%	521	13%	168	12%									
		5		1,333	24%	481		24%	844	24%	934	22%	396	29%									
		6	Very prepared	3,118	56%	1,071		54%	2,025	58%	2,409	58%	692	51%									
			Total	5,541	100%		2,000	100%	3,505	100%	4,154	100%	1,355	100%									
<b>19. How important is it to you that the university provides each of the following?</b>																							
a	A challenging academic experience	cenvscho	1	Not important	185	3%	4.4	56	3%	128	4%	139	3%	45	3%	4.4	4.4	*	.06	4.4	4.3		.06
		2		331	6%	106		5%	220	6%	271	6%	58	4%									
		3		955	17%	338		17%	612	17%	718	17%	232	17%									
		4		1,348	24%	496		25%	841	24%	947	23%	397	29%									
		5		1,171	21%	412		20%	754	21%	832	20%	325	24%									
		6	Very important	1,603	29%	605		30%	989	28%	1,288	31%	310	23%									
			Total	5,593	100%		2,013	100%	3,544	100%	4,195	100%	1,367	100%									



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>								
				All Students			Gender				First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>				
							Males		Females		Yes		No		Males		Females	Yes		No		
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>
b Support to help you succeed academically	cenvsupr	1	Not important	25	0%		11	1%	14	0%	18	0%	7	1%								
		2		89	2%		41	2%	45	1%	73	2%	15	1%								
		3		278	5%		137	7%	140	4%	212	5%	65	5%								
		4		483	9%	5.4	230	11%	250	7%	350	8%	127	9%	5.3	5.5	***	-.24	5.5	5.4	.04	
		5		833	15%		312	15%	511	14%	578	14%	253	19%								
		6	Very important	3,889	69%		1,289	64%	2,581	73%	2,972	71%	897	66%								
		Total		5,597	100%		2,020	100%	3,541	100%	4,203	100%	1,364	100%								
c Opportunities to interact with students from different backgrounds (social, racial/ethnic, religious, etc.)	cenvdivr	1	Not important	89	2%		35	2%	53	1%	65	2%	23	2%								
		2		199	4%		84	4%	112	3%	147	3%	52	4%								
		3		483	9%		198	10%	282	8%	334	8%	145	11%								
		4		897	16%	5.0	365	18%	522	15%	637	15%	255	19%	4.9	5.0	***	-.12	5.0	4.8	***	.15
		5		1,217	22%		413	20%	800	23%	891	21%	319	23%								
		6	Very important	2,715	48%		928	46%	1,772	50%	2,128	51%	573	42%								
		Total		5,600	100%		2,023	100%	3,541	100%	4,202	100%	1,367	100%								
d Help managing your non-academic responsibilities (work, family, etc.)	cenvnaca	1	Not important	321	6%		91	5%	229	6%	239	6%	79	6%								
		2		454	8%		182	9%	267	8%	336	8%	114	8%								
		3		773	14%		299	15%	468	13%	557	13%	214	16%								
		4		1,138	20%	4.4	422	21%	709	20%	834	20%	296	22%	4.3	4.4		-.02	4.4	4.2	**	.10
		5		1,203	22%		432	21%	764	22%	898	21%	299	22%								
		6	Very important	1,701	30%		586	29%	1,105	31%	1,337	32%	356	26%								
		Total		5,590	100%		2,012	100%	3,542	100%	4,201	100%	1,358	100%								
e Opportunities to be involved socially (not related to academic work)	cenvsoca	1	Not important	361	6%		106	5%	252	7%	278	7%	81	6%								
		2		483	9%		174	9%	302	9%	377	9%	100	7%								
		3		904	16%		326	16%	574	16%	656	16%	245	18%								
		4		1,218	22%	4.2	448	22%	763	22%	886	21%	325	24%	4.2	4.2		.04	4.2	4.2	.02	
		5		1,202	22%		454	23%	742	21%	905	22%	290	21%								
		6	Very important	1,402	25%		502	25%	891	25%	1,079	26%	317	23%								
		Total		5,570	100%		2,010	100%	3,524	100%	4,181	100%	1,358	100%								



## BUSSE 2019 Frequencies and Mean Comparisons

### BUSSEville University

	Variable name <sup>d</sup>	Values <sup>e</sup>	Response Options	Frequency Distributions <sup>b</sup>										Mean Comparisons <sup>c</sup>									
				All Students			Gender		First-generation <sup>a</sup>				Gender			First-generation <sup>a</sup>							
							Males	Females	Yes		No		Males	Females	ES <sup>f</sup>	Yes		No	ES <sup>f</sup>				
				Count	%	Mean	Count	%	Count	%	Count	%	Count	%	Count	%	Mean	Mean	ES <sup>f</sup>	Mean	Mean	ES <sup>f</sup>	
f	Opportunities to attend campus events and activities	cenveven	1	Not important	261	5%		90	4%	170	5%	201	5%	59	4%								
			2		492	9%		178	9%	312	9%	372	9%	118	9%								
			3		931	17%		348	17%	577	16%	673	16%	251	18%								
			4		1,168	21%	4.3	442	22%	716	20%	845	20%	317	23%	4.2	4.3	***	-.03	4.3	4.2	*	.07
			5		1,202	22%		434	22%	761	22%	905	22%	290	21%								
			6	Very important	1,519	27%		518	26%	992	28%	1,185	28%	326	24%								
			Total		5,573	100%		2,010	100%	3,528	100%	4,181	100%	1,361	100%								
g	Learning support services (tutoring services, peer mentoring, writing centre, library, etc.)	benvlear	1	Not important	48	1%		21	1%	26	1%	37	1%	11	1%								
			2		145	3%		62	3%	80	2%	106	3%	39	3%								
			3		370	7%		172	9%	195	6%	254	6%	113	8%								
			4		674	12%	5.2	297	15%	370	11%	457	11%	212	16%	5.1	5.3	***	-.21	5.3	5.1	***	.19
			5		998	18%		366	18%	626	18%	695	17%	297	22%								
			6	Very important	3,315	60%		1,085	54%	2,214	63%	2,615	63%	686	51%								
			Total		5,550	100%		2,003	100%	3,511	100%	4,164	100%	1,358	100%								



**Endnotes**

- a. First-generation is defined as no parent or guardian having graduated with a university degree.
- b. Column percentages by gender and first-generation status. Percentages may not sum to 100 due to rounding.
- c. Means calculated from ordered response options (e.g., Very Often, Often, Sometimes, Never) assume equal intervals and should be interpreted with caution.
- d. Please refer to BUSSE 2019 Mean Scale Scores and Selected Student Comparisons for items included in the scale.
- e. For the majority of items, these are the values used to calculate means. These values match the codes in the data file and codebook. For items estimating number of papers and hours per week, the values used to calculate means are midpoints of response option ranges and an estimate for unbounded options.
- f. Effect size for independent  $t$ -tests uses Cohen's  $d$ .