

ECAR Study of Students and Technology, 2015

Appalachian State University Benchmarking Report

1.1. Age	Appalachian State University	MA public institutions	All US institutions
18-24	794	10024	34590
	95.1%	82.0%	77.9%
25+	41	2199	9807
	4.9%	18.0%	22.1%
Total respondent count (Percentages sum to 100%)	835	12223	44397
	100.0%	100.0%	100.0%

1.2. Class standing	Appalachian State University	MA public institutions	All US institutions
Freshman or first-year student	234	2791	10935
	28.0%	22.8%	24.6%
Sophomore or second-year student	175	2062	10260
	21.0%	16.9%	23.1%
Junior or third-year student	203	3047	10159
	24.3%	24.9%	22.9%
Senior or fourth-year student	176	3086	8996
	21.1%	25.2%	20.3%
Fifth-year student or beyond	32	981	2467
	3.8%	8.0%	5.6%
Other type of undergraduate student	15	256	1580
	1.8%	2.1%	3.6%
Total respondent count (Percentages sum to 100%)	835	12223	44397
	100.0%	100.0%	100.0%

2.1. Own: Desktop	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	614	6960	25342
	79.0%	60.9%	60.8%
No, but I plan to purchase one.	33	498	1871
	4.2%	4.4%	4.5%
Yes, I currently own one (or more).	130	3978	14495
	16.7%	34.8%	34.8%
Total respondent count (Percentages sum to 100%)	777	11436	41708
	100.0%	100.0%	100.0%

2.1. Own: Laptop	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	11	398	1516
	1.3%	3.3%	3.5%

No, but I plan to purchase one.	5	318	1273
	0.6%	2.6%	2.9%
Yes, I currently own one (or more).	815	11372	41081
	98.1%	94.1%	93.6%
Total respondent count (Percentages sum to 100%)	831	12088	43870
	100.0%	100.0%	100.0%

2.1. Own: Tablet	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	422	4605	17133
	54.0%	40.5%	41.3%
No, but I plan to purchase one.	73	1048	3561
	9.3%	9.2%	8.6%
Yes, I currently own one (or more).	287	5729	20833
	36.7%	50.3%	50.2%
Total respondent count (Percentages sum to 100%)	782	11382	41527
	100.0%	100.0%	100.0%

2.1. Own: Smartphone	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	34	644	2149
	4.2%	5.4%	5.0%
No, but I plan to purchase one.	13	271	922
	1.6%	2.3%	2.1%
Yes, I currently own one (or more).	770	11021	40231
	94.2%	92.3%	92.9%
Total respondent count (Percentages sum to 100%)	817	11936	43302
	100.0%	100.0%	100.0%

2.1. Own: Wearable technology	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	642	8564	30785
	83.8%	78.5%	77.4%
No, but I plan to purchase one.	55	1145	4235
	7.2%	10.5%	10.7%
Yes, I currently own one (or more).	69	1200	4743
	9.0%	11.0%	11.9%
Total respondent count (Percentages sum to 100%)	766	10909	39763
	100.0%	100.0%	100.0%

2.1. Own: Internet-connected gaming device	Appalachian State University	MA public institutions	All US institutions
No, and I don't plan to purchase one.	470	6041	22562
	59.7%	53.6%	55.2%
No, but I plan to purchase one.	26	390	1341
	3.3%	3.5%	3.3%
Yes, I currently own one (or more).	291	4831	16988
	37.0%	42.9%	41.5%
Total respondent count (Percentages sum to 100%)	787	11262	40891
	100.0%	100.0%	100.0%

2.2a. Desktop OS	Appalachian State University	MA public institutions	All US institutions
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Windows	96	3193	11458
	74.4%	80.6%	79.3%
Mac or OS X	28	561	2208
	21.7%	14.2%	15.3%
Chrome OS	1	82	325
	0.8%	2.1%	2.3%
Linux	1	51	220
	0.8%	1.3%	1.5%
Other	1	24	83
	0.8%	0.6%	0.6%
Don't know	2	50	149
	1.6%	1.3%	1.0%
Total respondent count (Percentages sum to 100%)	129	3961	14443
	100.0%	100.0%	100.0%

2.2b. Laptop OS	Appalachian State University	MA public institutions	All US institutions
Windows	431	7103	24138
	52.9%	62.6%	58.9%
Mac or OS X	352	3716	14997
	43.2%	32.8%	36.6%
Chrome OS	19	304	1120
	2.3%	2.7%	2.7%
Linux	6	76	350
	0.7%	0.7%	0.9%
Other OS	2	37	116
	0.2%	0.3%	0.3%
Don't know	4	102	268
	0.5%	0.9%	0.7%
Total respondent count (Percentages sum to 100%)	814	11338	40989
	100.0%	100.0%	100.0%

2.2b.1 Laptop touch screen	Appalachian State University	MA public institutions	All US institutions
No	690	9123	33229
	84.9%	80.5%	81.3%
Yes	123	2203	7652
	15.1%	19.5%	18.7%
Total respondent count (Percentages sum to 100%)	813	11326	40881
	100.0%	100.0%	100.0%

2.2b.2 Laptop used more like...	Appalachian State University	MA public institutions	All US institutions
...more like a laptop	102	1575	5595
	83.6%	71.9%	73.4%
...more like a tablet	2	70	237
	1.6%	3.2%	3.1%
...about equal	18	546	1794
	14.8%	24.9%	23.5%
Total respondent count (Percentages sum to 100%)	122	2191	7626
	100.0%	100.0%	100.0%

2.2c. Tablet OS	Appalachian State University	MA public institutions	All US institutions
iOS (iPad)	153	2947	10872
	53.3%	51.5%	52.3%
Windows OS	30	683	2481
	10.5%	11.9%	11.9%
Android OS	67	1462	5387
	23.3%	25.6%	25.9%
Fire OS	13	326	1113
	4.5%	5.7%	5.4%
BlackBerry OS	0	7	31
	0.0%	0.1%	0.1%
Other OS	8	73	234
	2.8%	1.3%	1.1%
Don't know	16	219	674
	5.6%	3.8%	3.2%
Total respondent count (Percentages sum to 100%)	287	5717	20792
	100.0%	100.0%	100.0%

2.2c.1 Tablet keyboard or docking station	Appalachian State University	MA public institutions	All US institutions
No	211	3893	14352
	73.5%	68.2%	69.2%
Yes	76	1816	6382
	26.5%	31.8%	30.8%
Total respondent count (Percentages sum to 100%)	287	5709	20734
	100.0%	100.0%	100.0%

2.2c.2 Tablet used more like...	Appalachian State University	MA public institutions	All US institutions
...more like a tablet	36	724	2700
	47.4%	40.0%	42.4%
...more like a laptop	11	361	1210
	14.5%	19.9%	19.0%
...about equal	29	727	2462
	38.2%	40.1%	38.6%
Total respondent count (Percentages sum to 100%)	76	1812	6372
	100.0%	100.0%	100.0%

2.2d. Smartphone type	Appalachian State University	MA public institutions	All US institutions
iPhone	529	6417	23846
	68.7%	58.3%	59.3%
Android phone	217	4217	15000
	28.2%	38.3%	37.3%
Windows phone	11	171	711
	1.4%	1.6%	1.8%
BlackBerry phone	1	20	88
	0.1%	0.2%	0.2%
Other smartphone	9	162	461
	1.2%	1.5%	1.1%
Don't know	3	26	80

	0.4%	0.2%	0.2%
Total respondent count	770	11013	40186
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.2e. Wearable technology types	Appalachian State University	MA public institutions	All US institutions
Fitness device	60	949	3789
	87.0%	80.1%	81.0%
Smart watch	9	242	911
	13.0%	20.4%	19.5%
Google Glass	0	23	86
	0.0%	1.9%	1.8%
Other, please specify	2	68	260
	2.9%	5.7%	5.6%
Total respondent count	69	1185	4678

2.3. Device usage: Desktop	Appalachian State University	MA public institutions	All US institutions
Did not use at all	411	5382	20913
	50.7%	45.9%	49.2%
Used for at least one course	179	2089	7390
	22.1%	17.8%	17.4%
Used for about half of my courses	65	1128	3569
	8.0%	9.6%	8.4%
Used for most of my courses	85	1287	4037
	10.5%	11.0%	9.5%
Used for all my courses	70	1834	6606
	8.6%	15.6%	15.5%
Total respondent count	810	11720	42515
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.3. Device usage: Laptop	Appalachian State University	MA public institutions	All US institutions
Did not use at all	14	478	1967
	1.7%	4.0%	4.5%
Used for at least one course	8	422	1517
	1.0%	3.5%	3.5%
Used for about half of my courses	34	811	2571
	4.1%	6.7%	5.9%
Used for most of my courses	193	2681	8629
	23.3%	22.2%	19.7%
Used for all my courses	581	7691	29164
	70.0%	63.7%	66.5%
Total respondent count	830	12083	43848
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.3. Device usage: Tablet	Appalachian State University	MA public institutions	All US institutions
Did not use at all	586	6826	25532
	73.1%	59.2%	61.0%
Used for at least one course	105	1672	5899
	13.1%	14.5%	14.1%

Used for about half of my courses	43	1078	3733
	5.4%	9.3%	8.9%
Used for most of my courses	30	878	3047
	3.7%	7.6%	7.3%
Used for all my courses	38	1078	3647
	4.7%	9.3%	8.7%
Total respondent count (Percentages sum to 100%)	802	11532	41858
	100.0%	100.0%	100.0%

2.3. Device usage: Smartphone	Appalachian State University	MA public institutions	All US institutions
Did not use at all	210	3077	12061
	25.7%	25.8%	28.0%
Used for at least one course	229	2930	10797
	28.0%	24.6%	25.0%
Used for about half of my courses	157	2116	7072
	19.2%	17.8%	16.4%
Used for most of my courses	116	1705	5758
	14.2%	14.3%	13.4%
Used for all my courses	106	2077	7424
	13.0%	17.4%	17.2%
Total respondent count (Percentages sum to 100%)	818	11905	43112
	100.0%	100.0%	100.0%

2.3. Device usage: Wearable technology	Appalachian State University	MA public institutions	All US institutions
Did not use at all	781	10918	39670
	98.9%	96.8%	97.0%
Used for at least one course	7	175	561
	0.9%	1.6%	1.4%
Used for about half of my courses	1	61	237
	0.1%	0.5%	0.6%
Used for most of my courses	0	47	154
	0.0%	0.4%	0.4%
Used for all my courses	1	75	287
	0.1%	0.7%	0.7%
Total respondent count (Percentages sum to 100%)	790	11276	40909
	100.0%	100.0%	100.0%

2.4. Academic success: Desktop	Appalachian State University	MA public institutions	All US institutions
Not at all important	42	424	1503
	10.6%	6.7%	7.0%
Not very important	102	1008	3634
	25.6%	16.0%	16.9%
Moderately important	104	1585	5301
	26.1%	25.1%	24.6%
Very important	83	1326	4064
	20.9%	21.0%	18.9%
Extremely important	67	1963	7004
	16.8%	31.1%	32.6%
Total respondent count	398	6306	21506

(Percentages sum to 100%)	100.0%	100.0%	100.0%
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2.4. Academic success: Laptop	Appalachian State University	MA public institutions	All US institutions
Not at all important	0	39	131
	0.0%	0.3%	0.3%
Not very important	4	134	460
	0.5%	1.2%	1.1%
Moderately important	41	671	2198
	5.0%	5.8%	5.3%
Very important	145	2231	7358
	17.8%	19.2%	17.6%
Extremely important	626	8515	31661
	76.7%	73.5%	75.7%
Total respondent count (Percentages sum to 100%)	816	11590	41808
	100.0%	100.0%	100.0%

2.4. Academic success: Tablet	Appalachian State University	MA public institutions	All US institutions
Not at all important	23	200	736
	10.7%	4.3%	4.5%
Not very important	67	985	3732
	31.2%	21.0%	23.0%
Moderately important	65	1549	5262
	30.2%	33.0%	32.4%
Very important	36	934	3184
	16.7%	19.9%	19.6%
Extremely important	24	1021	3342
	11.2%	21.8%	20.6%
Total respondent count (Percentages sum to 100%)	215	4689	16256
	100.0%	100.0%	100.0%

2.4. Academic success: Smartphone	Appalachian State University	MA public institutions	All US institutions
Not at all important	27	320	1209
	4.4%	3.6%	3.9%
Not very important	178	1812	6855
	29.3%	20.6%	22.1%
Moderately important	218	2858	10131
	35.9%	32.5%	32.7%
Very important	117	1808	6195
	19.2%	20.5%	20.0%
Extremely important	68	2004	6561
	11.2%	22.8%	21.2%
Total respondent count (Percentages sum to 100%)	608	8802	30951
	100.0%	100.0%	100.0%

2.4. Academic success: Wearable technology	Appalachian State University	MA public institutions	All US institutions
Not at all important	2	75	226
	22.2%	21.4%	18.6%
Not very important	1	87	317

	11.1%	24.9%	26.1%
Moderately important	3	86	299
	33.3%	24.6%	24.6%
Very important	1	43	175
	11.1%	12.3%	14.4%
Extremely important	2	59	197
	22.2%	16.9%	16.2%
Total respondent count (Percentages sum to 100%)	9	350	1214
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Access library resources	Appalachian State University	MA public institutions	All US institutions
Not at all important	93	1313	5779
	11.8%	11.6%	14.0%
Not very important	171	2029	8239
	21.8%	17.9%	20.0%
Moderately important	227	2992	10929
	28.9%	26.4%	26.6%
Very important	158	2479	7979
	20.1%	21.9%	19.4%
Extremely important	137	2508	8217
	17.4%	22.2%	20.0%
Total respondent count (Percentages sum to 100%)	786	11321	41143
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Check grades	Appalachian State University	MA public institutions	All US institutions
Not at all important	31	476	1979
	3.9%	4.2%	4.8%
Not very important	54	564	2478
	6.9%	5.0%	6.0%
Moderately important	173	1900	7471
	22.0%	16.8%	18.1%
Very important	235	3127	11118
	29.9%	27.6%	27.0%
Extremely important	293	5246	18131
	37.3%	46.4%	44.0%
Total respondent count (Percentages sum to 100%)	786	11313	41177
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Access course content	Appalachian State University	MA public institutions	All US institutions
Not at all important	35	509	2166
	4.4%	4.5%	5.3%
Not very important	58	720	2878
	7.4%	6.4%	7.0%
Moderately important	174	2065	8044
	22.1%	18.2%	19.5%
Very important	233	3087	11031
	29.6%	27.3%	26.8%
Extremely important	287	4937	17060
	36.5%	43.6%	41.4%

Total respondent count	787	11318	41179
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Use the LMS	Appalachian State University	MA public institutions	All US institutions
Not at all important	152	895	3866
	19.3%	7.9%	9.4%
Not very important	151	1026	4096
	19.2%	9.1%	10.0%
Moderately important	173	2112	8147
	22.0%	18.7%	19.8%
Very important	145	2744	9746
	18.4%	24.3%	23.7%
Extremely important	165	4537	15310
	21.0%	40.1%	37.2%
Total respondent count	786	11314	41165
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Register for courses	Appalachian State University	MA public institutions	All US institutions
Not at all important	134	1460	6067
	17.0%	12.9%	14.7%
Not very important	189	1847	7095
	24.0%	16.3%	17.2%
Moderately important	175	2202	8384
	22.2%	19.5%	20.4%
Very important	143	2079	7551
	18.2%	18.4%	18.3%
Extremely important	146	3725	12081
	18.6%	32.9%	29.3%
Total respondent count	787	11313	41178
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Review transcript	Appalachian State University	MA public institutions	All US institutions
Not at all important	114	1232	5297
	14.4%	10.9%	12.9%
Not very important	191	1915	7510
	24.2%	16.9%	18.3%
Moderately important	216	2793	10653
	27.4%	24.7%	25.9%
Very important	146	2497	8451
	18.5%	22.1%	20.5%
Extremely important	122	2881	9239
	15.5%	25.5%	22.5%
Total respondent count	789	11318	41150
(Percentages sum to 100%)	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Make tuition/fee payments	Appalachian State University	MA public institutions	All US institutions
Not at all important	202	2075	8688
	25.7%	18.3%	21.1%

Not very important	225	2318	8788
	28.6%	20.5%	21.4%
Moderately important	174	2387	8577
	22.1%	21.1%	20.8%
Very important	101	1924	6482
	12.8%	17.0%	15.8%
Extremely important	84	2611	8609
	10.7%	23.1%	20.9%
Total respondent count (Percentages sum to 100%)	786	11315	41144
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Track financial aid	Appalachian State University	MA public institutions	All US institutions
Not at all important	154	1664	7126
	19.6%	14.7%	17.3%
Not very important	191	1776	7243
	24.3%	15.7%	17.6%
Moderately important	185	2462	9183
	23.5%	21.8%	22.3%
Very important	149	2269	7757
	18.9%	20.1%	18.9%
Extremely important	108	3138	9832
	13.7%	27.7%	23.9%
Total respondent count (Percentages sum to 100%)	787	11309	41141
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Access information about events, activities, and clubs/organizations	Appalachian State University	MA public institutions	All US institutions
Not at all important	43	912	3717
	5.5%	8.1%	9.0%
Not very important	80	1441	5358
	10.2%	12.7%	13.0%
Moderately important	253	3240	11344
	32.3%	28.7%	27.6%
Very important	226	2857	10323
	28.8%	25.3%	25.1%
Extremely important	182	2853	10378
	23.2%	25.2%	25.2%
Total respondent count (Percentages sum to 100%)	784	11303	41120
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Use the mobile device as identification	Appalachian State University	MA public institutions	All US institutions
Not at all important	121	1452	6029
	15.4%	12.8%	14.7%
Not very important	156	1706	6319
	19.9%	15.1%	15.4%
Moderately important	183	2782	9907
	23.3%	24.6%	24.1%
Very important	198	2615	9081
	25.3%	23.1%	22.1%

Extremely important	126	2757	9811
	16.1%	24.4%	23.8%
Total respondent count (Percentages sum to 100%)	784	11312	41147
	100.0%	100.0%	100.0%

2.5a. Handheld importance (administrative): Use the mobile device to verify/record attendance	Appalachian State University	MA public institutions	All US institutions
Not at all important	128	1695	6710
	16.3%	15.0%	16.3%
Not very important	170	1989	7288
	21.6%	17.6%	17.7%
Moderately important	199	2735	9890
	25.3%	24.2%	24.0%
Very important	169	2323	8215
	21.5%	20.5%	20.0%
Extremely important	120	2576	9046
	15.3%	22.8%	22.0%
Total respondent count (Percentages sum to 100%)	786	11318	41149
	100.0%	100.0%	100.0%

2.5b. Tablet importance for administrative activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	45	533	2353
	15.7%	11.8%	13.1%
Not very important	80	959	4006
	27.9%	21.2%	22.2%
Moderately important	86	1408	5614
	30.0%	31.2%	31.1%
Very important	41	891	3399
	14.3%	19.7%	18.9%
Extremely important	35	723	2656
	12.2%	16.0%	14.7%
Total respondent count (Percentages sum to 100%)	287	4514	18028
	100.0%	100.0%	100.0%

2.5b. Smartphone importance for administrative activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	33	428	1977
	4.3%	4.9%	5.7%
Not very important	161	1540	6325
	21.0%	17.7%	18.2%
Moderately important	297	2967	11799
	38.7%	34.1%	33.9%
Very important	186	2150	8445
	24.3%	24.7%	24.3%
Extremely important	90	1624	6218
	11.7%	18.6%	17.9%
Total respondent count (Percentages sum to 100%)	767	8709	34764
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Read e-texts	Appalachian State University	MA public institutions	All US institutions

Not at all important	137	1457	5399
	17.4%	12.9%	13.1%
Not very important	142	1690	6168
	18.0%	15.0%	15.0%
Moderately important	203	2944	10388
	25.8%	26.1%	25.3%
Very important	183	2583	9619
	23.3%	22.9%	23.4%
Extremely important	122	2612	9512
	15.5%	23.1%	23.2%
Total respondent count (Percentages sum to 100%)	787	11286	41086
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Communicate with other students about class-related matters outside class	Appalachian State University	MA public institutions	All US institutions
Not at all important	28	462	2019
	3.6%	4.1%	4.9%
Not very important	50	699	2785
	6.4%	6.2%	6.8%
Moderately important	165	2250	8489
	21.0%	19.9%	20.7%
Very important	295	3619	12742
	37.5%	32.1%	31.0%
Extremely important	249	4254	15042
	31.6%	37.7%	36.6%
Total respondent count (Percentages sum to 100%)	787	11284	41077
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Communicate with instructors about class-related matters outside class	Appalachian State University	MA public institutions	All US institutions
Not at all important	53	726	3125
	6.7%	6.4%	7.6%
Not very important	93	1072	4366
	11.8%	9.5%	10.6%
Moderately important	206	2677	10241
	26.1%	23.7%	24.9%
Very important	246	3292	11442
	31.2%	29.2%	27.8%
Extremely important	190	3526	11919
	24.1%	31.2%	29.0%
Total respondent count (Percentages sum to 100%)	788	11293	41093
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Take notes in class	Appalachian State University	MA public institutions	All US institutions
Not at all important	228	2531	9837
	29.0%	22.4%	23.9%
Not very important	244	2811	10179
	31.1%	24.9%	24.8%
Moderately important	153	2403	8337
	19.5%	21.3%	20.3%

Very important	93	1667	6012
	11.8%	14.8%	14.6%
Extremely important	67	1874	6727
	8.5%	16.6%	16.4%
Total respondent count (Percentages sum to 100%)	785	11286	41092
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Look up course-related information while in class	Appalachian State University	MA public institutions	All US institutions
Not at all important	60	788	3221
	7.6%	7.0%	7.8%
Not very important	100	1134	4569
	12.7%	10.0%	11.1%
Moderately important	241	2917	10642
	30.7%	25.9%	25.9%
Very important	241	3232	11465
	30.7%	28.6%	27.9%
Extremely important	143	3213	11170
	18.2%	28.5%	27.2%
Total respondent count (Percentages sum to 100%)	785	11284	41067
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Take pictures of in-class activities or resources	Appalachian State University	MA public institutions	All US institutions
Not at all important	63	913	3410
	8.0%	8.1%	8.3%
Not very important	131	1554	5464
	16.6%	13.8%	13.3%
Moderately important	258	3107	11125
	32.8%	27.5%	27.1%
Very important	199	2892	10597
	25.3%	25.6%	25.8%
Extremely important	136	2825	10504
	17.3%	25.0%	25.6%
Total respondent count (Percentages sum to 100%)	787	11291	41100
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Record your instructor's lecture or in-class activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	194	2499	9072
	24.7%	22.1%	22.1%
Not very important	224	2705	9628
	28.5%	24.0%	23.4%
Moderately important	195	2545	9081
	24.8%	22.5%	22.1%
Very important	105	1763	6619
	13.4%	15.6%	16.1%
Extremely important	68	1781	6687
	8.7%	15.8%	16.3%
Total respondent count (Percentages sum to 100%)	786	11293	41087
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Answer questions posed in class to generate/tally automatic responses	Appalachian State University	MA public institutions	All US institutions
Not at all important	174	1889	7584
	22.1%	16.7%	18.5%
Not very important	227	2400	8558
	28.8%	21.3%	20.8%
Moderately important	197	2907	10257
	25.0%	25.8%	25.0%
Very important	119	2179	7747
	15.1%	19.3%	18.9%
Extremely important	70	1911	6917
	8.9%	16.9%	16.8%
Total respondent count (Percentages sum to 100%)	787	11286	41063
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Participate in interactive class activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	138	1486	6182
	17.6%	13.2%	15.1%
Not very important	200	2132	8283
	25.4%	18.9%	20.2%
Moderately important	251	3111	10724
	31.9%	27.6%	26.1%
Very important	114	2416	8412
	14.5%	21.4%	20.5%
Extremely important	83	2137	7469
	10.6%	18.9%	18.2%
Total respondent count (Percentages sum to 100%)	786	11282	41070
	100.0%	100.0%	100.0%

2.6a. Handheld importance (academic): Produce content	Appalachian State University	MA public institutions	All US institutions
Not at all important	196	1999	8149
	24.9%	17.7%	19.8%
Not very important	214	2432	9509
	27.2%	21.6%	23.2%
Moderately important	196	2587	9058
	24.9%	22.9%	22.1%
Very important	103	2045	7040
	13.1%	18.1%	17.1%
Extremely important	77	2212	7312
	9.8%	19.6%	17.8%
Total respondent count (Percentages sum to 100%)	786	11275	41068
	100.0%	100.0%	100.0%

2.6b. Tablet importance for academic activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	47	649	2652
	16.5%	11.4%	12.8%
Not very important	82	1068	3997
	28.9%	18.8%	19.3%

Moderately important	71	1663	6098
	25.0%	29.3%	29.5%
Very important	48	1186	4165
	16.9%	20.9%	20.2%
Extremely important	36	1111	3756
	12.7%	19.6%	18.2%
Total respondent count (Percentages sum to 100%)	284	5677	20668
	100.0%	100.0%	100.0%

2.6b. Smartphone importance for academic activities	Appalachian State University	MA public institutions	All US institutions
Not at all important	35	508	2116
	4.6%	4.6%	5.3%
Not very important	147	1738	6620
	19.3%	15.9%	16.6%
Moderately important	304	3740	13543
	39.8%	34.2%	34.0%
Very important	185	2728	9770
	24.2%	25.0%	24.5%
Extremely important	92	2213	7839
	12.1%	20.3%	19.7%
Total respondent count (Percentages sum to 100%)	763	10927	39888
	100.0%	100.0%	100.0%

2.7. Required to own or provided with desktop	Appalachian State University	MA public institutions	All US institutions
Required to own by institution	15	756	2880
	1.8%	6.3%	6.6%
Provided by institution	311	4864	14866
	37.7%	40.6%	34.2%
Neither required to own nor provided	507	6603	26468
	61.4%	55.0%	60.8%
Total respondent count	826	11995	43522

2.7. Required to own or provided with laptop	Appalachian State University	MA public institutions	All US institutions
Required to own by institution	161	2811	10682
	19.4%	23.3%	24.4%
Provided by institution	198	2421	6241
	23.8%	20.1%	14.3%
Neither required to own nor provided	507	7241	27979
	61.0%	60.0%	63.9%
Total respondent count	831	12063	43753

2.7. Required to own or provided with tablet	Appalachian State University	MA public institutions	All US institutions
Required to own by institution	10	558	1533
	1.2%	4.7%	3.6%
Provided by institution	113	1239	2538
	13.7%	10.4%	5.9%
Neither required to own nor provided	706	10212	39223
	85.7%	85.9%	91.0%

Total respondent count	824	11890	43080
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2.7. Required to own or provided with smartphone	Appalachian State University	MA public institutions	All US institutions
Required to own by institution	13	514	1727
	1.6%	4.3%	4.0%
Provided by institution	7	122	461
	0.9%	1.0%	1.1%
Neither required to own nor provided	801	11258	40949
	97.7%	94.8%	95.0%
Total respondent count	820	11880	43087

3.2. Wireless experience: Reliable access to Wi-Fi throughout campus	Appalachian State University	MA public institutions	All US institutions
Poor	173	1403	4799
	21.0%	11.6%	10.9%
Fair	213	2229	7382
	25.8%	18.4%	16.8%
Neutral	139	1826	6400
	16.8%	15.1%	14.6%
Good	220	4395	16139
	26.7%	36.4%	36.7%
Excellent	75	1879	7383
	9.1%	15.5%	16.8%
N/A	5	358	1830
	0.6%	3.0%	4.2%
Total respondent count (Percentages sum to 100%)	825	12090	43933
	100.0%	100.0%	100.0%

3.2. Wireless experience: Reliable access to Wi-Fi specifically in classroom/instructional spaces	Appalachian State University	MA public institutions	All US institutions
Poor	48	931	3442
	5.8%	7.7%	7.8%
Fair	171	1796	6077
	20.7%	14.9%	13.9%
Neutral	134	1687	5982
	16.2%	14.0%	13.6%
Good	328	4572	16160
	39.7%	37.8%	36.8%
Excellent	140	2685	10148
	16.9%	22.2%	23.1%
N/A	6	409	2058
	0.7%	3.4%	4.7%
Total respondent count (Percentages sum to 100%)	827	12080	43867
	100.0%	100.0%	100.0%

3.2. Wireless experience: Ease of login to Wi-Fi network	Appalachian State University	MA public institutions	All US institutions
Poor	135	1276	4198
	16.4%	10.6%	9.6%
Fair	191	1870	5993
	23.2%	15.5%	13.7%

Neutral	161	2179	7154
	19.5%	18.1%	16.3%
Good	224	3856	14396
	27.2%	31.9%	32.8%
Excellent	108	2537	10310
	13.1%	21.0%	23.5%
N/A	6	351	1797
	0.7%	2.9%	4.1%
Total respondent count (Percentages sum to 100%)	825	12069	43848
	100.0%	100.0%	100.0%

3.2. Wireless experience: Network performance	Appalachian State University	MA public institutions	All US institutions
Poor	257	1825	6129
	31.2%	15.1%	14.0%
Fair	211	2439	7918
	25.6%	20.2%	18.1%
Neutral	133	2333	8125
	16.1%	19.3%	18.5%
Good	160	3467	13357
	19.4%	28.7%	30.5%
Excellent	62	1696	6655
	7.5%	14.1%	15.2%
N/A	2	306	1653
	0.2%	2.5%	3.8%
Total respondent count (Percentages sum to 100%)	825	12066	43837
	100.0%	100.0%	100.0%

3.3. Simultaneously connected devices	Appalachian State University	MA public institutions	All US institutions
None	6	437	2153
	0.7%	3.6%	4.9%
One	206	3153	11612
	24.9%	26.1%	26.4%
Two	534	6800	24597
	64.6%	56.2%	56.0%
Three	70	1424	4657
	8.5%	11.8%	10.6%
Four	6	189	620
	0.7%	1.6%	1.4%
Five	2	43	150
	0.2%	0.4%	0.3%
Six or more	2	50	160
	0.2%	0.4%	0.4%
Total respondent count (Percentages sum to 100%)	826	12096	43949
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Accessing library resources	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	30	407	1837
	3.9%	3.6%	4.5%
	308	3979	16951

Haven't used service in the past year	39.5%	35.6%	41.7%
Poor	42	539	2009
	5.4%	4.8%	4.9%
Fair	77	1061	3508
	9.9%	9.5%	8.6%
Neutral	117	1712	5750
	15.0%	15.3%	14.1%
Good	161	2455	7514
	20.7%	22.0%	18.5%
Excellent	44	1024	3123
	5.6%	9.2%	7.7%
Total respondent count (Percentages sum to 100%)	779	11177	40692
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Checking grades	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	36	263	1075
	4.6%	2.4%	2.6%
Haven't used service in the past year	77	1084	4657
	9.9%	9.7%	11.4%
Poor	42	563	2184
	5.4%	5.0%	5.4%
Fair	101	1176	4413
	13.0%	10.5%	10.8%
Neutral	109	1583	5967
	14.0%	14.1%	14.7%
Good	313	4224	14742
	40.3%	37.7%	36.2%
Excellent	98	2297	7679
	12.6%	20.5%	18.9%
Total respondent count (Percentages sum to 100%)	776	11190	40717
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Accessing course content	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	33	296	1240
	4.2%	2.6%	3.0%
Haven't used service in the past year	91	1181	5012
	11.7%	10.6%	12.3%
Poor	38	537	2426
	4.9%	4.8%	6.0%
Fair	130	1328	4938
	16.7%	11.9%	12.1%
Neutral	126	1754	6627
	16.2%	15.7%	16.3%
Good	288	4166	14301
	36.9%	37.2%	35.1%
Excellent	74	1924	6185
	9.5%	17.2%	15.2%
Total respondent count (Percentages sum to 100%)	780	11186	40729
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Using the LMS	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	57	410	1695
	7.3%	3.7%	4.2%
Haven't used service in the past year	273	1611	6733
	35.2%	14.4%	16.5%
Poor	49	683	3058
	6.3%	6.1%	7.5%
Fair	99	1285	4778
	12.8%	11.5%	11.7%
Neutral	102	1733	6320
	13.1%	15.5%	15.5%
Good	157	3635	12461
	20.2%	32.5%	30.6%
Excellent	39	1819	5659
	5.0%	16.3%	13.9%
Total respondent count (Percentages sum to 100%)	776	11176	40704
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Registering for courses	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	83	632	2628
	10.7%	5.6%	6.5%
Haven't used service in the past year	369	3878	15162
	47.5%	34.7%	37.2%
Poor	68	814	3244
	8.8%	7.3%	8.0%
Fair	67	957	3425
	8.6%	8.6%	8.4%
Neutral	87	1482	5127
	11.2%	13.2%	12.6%
Good	80	2270	7453
	10.3%	20.3%	18.3%
Excellent	23	1153	3680
	3.0%	10.3%	9.0%
Total respondent count (Percentages sum to 100%)	777	11186	40719
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Reviewing transcript	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	52	499	2059
	6.7%	4.5%	5.1%
Haven't used service in the past year	390	3820	15587
	50.3%	34.2%	38.3%
Poor	23	558	2124
	3.0%	5.0%	5.2%
Fair	60	1012	3461
	7.7%	9.1%	8.5%
Neutral	104	1633	5643
	13.4%	14.6%	13.9%
Good	118	2578	8479

	15.2%	23.1%	20.8%
Excellent	29	1082	3354
	3.7%	9.7%	8.2%
Total respondent count (Percentages sum to 100%)	776	11182	40707
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Making tuition/fee payments	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	59	628	2377
	7.6%	5.6%	5.8%
Haven't used service in the past year	504	5419	21017
	64.7%	48.5%	51.6%
Poor	22	436	1633
	2.8%	3.9%	4.0%
Fair	35	682	2395
	4.5%	6.1%	5.9%
Neutral	82	1409	4577
	10.5%	12.6%	11.2%
Good	63	1744	5903
	8.1%	15.6%	14.5%
Excellent	14	865	2820
	1.8%	7.7%	6.9%
Total respondent count (Percentages sum to 100%)	779	11183	40722
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Tracking financial aid	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	64	503	1988
	8.2%	4.5%	4.9%
Haven't used service in the past year	441	4348	17740
	56.5%	38.9%	43.6%
Poor	21	426	1714
	2.7%	3.8%	4.2%
Fair	56	908	3142
	7.2%	8.1%	7.7%
Neutral	82	1586	5345
	10.5%	14.2%	13.1%
Good	90	2327	7501
	11.5%	20.8%	18.4%
Excellent	26	1087	3266
	3.3%	9.7%	8.0%
Total respondent count (Percentages sum to 100%)	780	11185	40696
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Accessing information about events, activities, and clubs/organizations	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	17	245	1101
	2.2%	2.2%	2.7%
Haven't used service in the past year	143	2394	9793
	18.5%	21.4%	24.0%
Poor	15	389	1465

	1.9%	3.5%	3.6%
Fair	98	1116	3929
	12.6%	10.0%	9.6%
Neutral	146	1921	6960
	18.8%	17.2%	17.1%
Good	292	3705	12806
	37.7%	33.2%	31.4%
Excellent	64	1403	4674
	8.3%	12.6%	11.5%
Total respondent count (Percentages sum to 100%)	775	11173	40728
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Using the mobile device as identification	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	154	1618	6450
	19.8%	14.5%	15.8%
Haven't used service in the past year	321	3955	15207
	41.2%	35.4%	37.4%
Poor	24	340	1386
	3.1%	3.0%	3.4%
Fair	60	807	2800
	7.7%	7.2%	6.9%
Neutral	76	1533	5037
	9.8%	13.7%	12.4%
Good	117	2081	6975
	15.0%	18.6%	17.1%
Excellent	27	848	2856
	3.5%	7.6%	7.0%
Total respondent count (Percentages sum to 100%)	779	11182	40711
	100.0%	100.0%	100.0%

3.4. Handheld support (administrative): Using the mobile device to verify/record attendance	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	90	1242	4752
	11.5%	11.1%	11.7%
Haven't used service in the past year	352	4438	17029
	45.1%	39.7%	41.8%
Poor	27	371	1373
	3.5%	3.3%	3.4%
Fair	49	754	2674
	6.3%	6.7%	6.6%
Neutral	100	1514	5054
	12.8%	13.5%	12.4%
Good	135	1992	6935
	17.3%	17.8%	17.0%
Excellent	28	873	2880
	3.6%	7.8%	7.1%
Total respondent count (Percentages sum to 100%)	781	11184	40697
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Reading e-texts	Appalachian State University	MA public institutions	All US institutions
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Service not offered/does not function	32	444	1712
	4.1%	4.0%	4.2%
Haven't used service in the past year	275	3597	12912
	35.2%	32.1%	31.7%
Poor	24	329	1423
	3.1%	2.9%	3.5%
Fair	79	818	2977
	10.1%	7.3%	7.3%
Neutral	115	1702	6044
	14.7%	15.2%	14.8%
Good	194	2924	10651
	24.8%	26.1%	26.1%
Excellent	63	1406	5076
	8.1%	12.5%	12.4%
Total respondent count (Percentages sum to 100%)	782	11220	40795
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Communicating with other students about class-related matters outside class	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	12	215	887
	1.5%	1.9%	2.2%
Haven't used service in the past year	83	1369	6067
	10.6%	12.2%	14.9%
Poor	9	237	905
	1.2%	2.1%	2.2%
Fair	49	690	2432
	6.3%	6.1%	6.0%
Neutral	98	1566	5480
	12.5%	14.0%	13.4%
Good	336	4384	15210
	43.0%	39.1%	37.3%
Excellent	194	2764	9824
	24.8%	24.6%	24.1%
Total respondent count (Percentages sum to 100%)	781	11225	40805
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Communicating with instructors about class-related matters outside class	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	12	214	929
	1.5%	1.9%	2.3%
Haven't used service in the past year	114	1811	7818
	14.7%	16.2%	19.2%
Poor	17	252	1013
	2.2%	2.2%	2.5%
Fair	51	785	2862
	6.6%	7.0%	7.0%
Neutral	112	1686	6124
	14.4%	15.0%	15.0%
Good	341	4304	14969
	43.8%	38.4%	36.7%
Excellent	131	2155	7090
	16.8%	19.2%	17.4%

Total respondent count (Percentages sum to 100%)	778	11207	40805
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Taking notes in class	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	18	340	1370
	2.3%	3.0%	3.4%
Haven't used service in the past year	417	4662	17377
	53.5%	41.6%	42.6%
Poor	30	406	1669
	3.8%	3.6%	4.1%
Fair	57	727	2665
	7.3%	6.5%	6.5%
Neutral	95	1560	5622
	12.2%	13.9%	13.8%
Good	113	2385	8063
	14.5%	21.3%	19.8%
Excellent	50	1124	4031
	6.4%	10.0%	9.9%
Total respondent count (Percentages sum to 100%)	780	11204	40797
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Looking up course-related information while in class	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	18	208	907
	2.3%	1.9%	2.2%
Haven't used service in the past year	132	1718	7114
	16.9%	15.3%	17.4%
Poor	26	366	1401
	3.3%	3.3%	3.4%
Fair	73	918	3346
	9.3%	8.2%	8.2%
Neutral	138	1834	6574
	17.7%	16.4%	16.1%
Good	298	4243	14756
	38.2%	37.8%	36.2%
Excellent	96	1925	6698
	12.3%	17.2%	16.4%
Total respondent count (Percentages sum to 100%)	781	11212	40796
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Taking pictures of in-class activities or resources	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	12	260	983
	1.5%	2.3%	2.4%
Haven't used service in the past year	186	2596	9651
	23.8%	23.1%	23.7%
Poor	17	217	765
	2.2%	1.9%	1.9%
Fair	48	660	2301
	6.1%	5.9%	5.6%
	94	1486	5342

Neutral	12.0%	13.2%	13.1%
	297	3794	13529
Good	38.0%	33.8%	33.2%
	127	2204	8221
Excellent	16.3%	19.6%	20.2%
	781	11217	40792
Total respondent count (Percentages sum to 100%)	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Recording your instructor's lecture or in-class activities	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	20	424	1630
	2.6%	3.8%	4.0%
Haven't used service in the past year	460	5735	20981
	58.7%	51.1%	51.4%
Poor	10	264	1155
	1.3%	2.4%	2.8%
Fair	44	598	2070
	5.6%	5.3%	5.1%
Neutral	85	1340	4745
	10.9%	11.9%	11.6%
Good	119	1854	6674
	15.2%	16.5%	16.3%
Excellent	45	1003	3566
	5.7%	8.9%	8.7%
Total respondent count (Percentages sum to 100%)	783	11218	40821
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Answering questions posed in class to generate/tally automatic responses	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	59	732	3086
	7.6%	6.5%	7.6%
Haven't used service in the past year	407	4675	17583
	52.1%	41.7%	43.1%
Poor	18	316	1169
	2.3%	2.8%	2.9%
Fair	40	680	2404
	5.1%	6.1%	5.9%
Neutral	96	1563	5279
	12.3%	13.9%	12.9%
Good	125	2264	7844
	16.0%	20.2%	19.2%
Excellent	36	984	3401
	4.6%	8.8%	8.3%
Total respondent count (Percentages sum to 100%)	781	11214	40766
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Participating in interactive class activities	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	39	493	2073
	5.0%	4.4%	5.1%
Haven't used service in the past year	337	3837	15259

	43.1%	34.2%	37.4%
Poor	21	347	1371
	2.7%	3.1%	3.4%
Fair	58	828	2849
	7.4%	7.4%	7.0%
Neutral	119	1806	6222
	15.2%	16.1%	15.3%
Good	163	2749	9228
	20.9%	24.5%	22.6%
Excellent	44	1155	3789
	5.6%	10.3%	9.3%
Total respondent count (Percentages sum to 100%)	781	11215	40791
	100.0%	100.0%	100.0%

3.5. Handheld support (academic): Producing content	Appalachian State University	MA public institutions	All US institutions
Service not offered/does not function	48	539	2230
	6.1%	4.8%	5.5%
Haven't used service in the past year	368	3987	15739
	47.1%	35.6%	38.6%
Poor	54	568	2363
	6.9%	5.1%	5.8%
Fair	47	933	3257
	6.0%	8.3%	8.0%
Neutral	113	1662	5955
	14.5%	14.8%	14.6%
Good	110	2433	7858
	14.1%	21.7%	19.3%
Excellent	41	1090	3394
	5.2%	9.7%	8.3%
Total respondent count (Percentages sum to 100%)	781	11212	40796
	100.0%	100.0%	100.0%

3.6. How many instructors ...have adequate technical skills for course	Appalachian State University	MA public institutions	All US institutions
None	8	227	873
	1.0%	1.9%	2.0%
Very few	58	1113	3617
	7.0%	9.3%	8.3%
Some	183	2962	10180
	22.2%	24.7%	23.4%
Most	325	4018	14303
	39.4%	33.5%	32.9%
Almost all	185	2401	8848
	22.4%	20.0%	20.3%
All	66	1274	5711
	8.0%	10.6%	13.1%
Total respondent count (Percentages sum to 100%)	825	11995	43532
	100.0%	100.0%	100.0%

3.6. How many instructors ...use technology during class to maintain your attention	Appalachian State University	MA public institutions	All US institutions
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None	49	866	3286
	5.9%	7.2%	7.5%
Very few	102	1743	5935
	12.3%	14.5%	13.6%
Some	225	3160	11388
	27.2%	26.3%	26.2%
Most	226	2911	10304
	27.4%	24.3%	23.7%
Almost all	161	2143	7855
	19.5%	17.9%	18.0%
All	63	1176	4758
	7.6%	9.8%	10.9%
Total respondent count (Percentages sum to 100%)	826	11999	43526
	100.0%	100.0%	100.0%

3.6. How many instructors ...use technology during class to supplement the learning material	Appalachian State University	MA public institutions	All US institutions
None	19	488	1927
	2.3%	4.1%	4.4%
Very few	76	1429	4739
	9.2%	11.9%	10.9%
Some	216	3135	11171
	26.2%	26.1%	25.7%
Most	241	3154	11363
	29.2%	26.3%	26.1%
Almost all	210	2468	8988
	25.5%	20.6%	20.6%
All	63	1321	5347
	7.6%	11.0%	12.3%
Total respondent count (Percentages sum to 100%)	825	11995	43535
	100.0%	100.0%	100.0%

3.6. How many instructors ...encourage you to use your own technology devices during class to deepen learning	Appalachian State University	MA public institutions	All US institutions
None	80	1628	5978
	9.7%	13.6%	13.7%
Very few	306	3613	11876
	37.0%	30.1%	27.3%
Some	229	3212	11610
	27.7%	26.8%	26.7%
Most	118	1769	6583
	14.3%	14.7%	15.1%
Almost all	77	1111	4507
	9.3%	9.3%	10.4%
All	17	667	2980
	2.1%	5.6%	6.8%
Total respondent count (Percentages sum to 100%)	827	12000	43534
	100.0%	100.0%	100.0%

3.6. How many instructors ...encourage you to use online collaboration tools to communicate/collaborate	Appalachian State University	MA public institutions	All US institutions
	33	550	2145

None	4.0%	4.6%	4.9%
	103	1655	5742
Very few	12.5%	13.8%	13.2%
	241	3226	11396
Some	29.2%	26.9%	26.2%
	237	2995	10683
Most	28.8%	25.0%	24.5%
	143	2239	8093
Almost all	17.4%	18.7%	18.6%
	67	1329	5472
All	8.1%	11.1%	12.6%
	Total respondent count	824	11994
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Resource/tool usage: LMS	Appalachian State University	MA public institutions	All US institutions
Did not use at all	330	1797	6992
	40.0%	15.0%	16.1%
Used in at least one course	96	1081	3671
	11.6%	9.0%	8.5%
Used in about half of my courses	74	1687	5437
	9.0%	14.1%	12.5%
Used in most of my courses	177	3496	11851
	21.5%	29.2%	27.3%
Used in all my courses	148	3898	15469
	17.9%	32.6%	35.6%
Total respondent count	825	11959	43420
	(Percentages sum to 100%)	100.0%	100.0%

3.7. Resource/tool usage: E-portfolios	Appalachian State University	MA public institutions	All US institutions
Did not use at all	530	8634	30637
	64.4%	72.3%	70.7%
Used in at least one course	210	1717	5565
	25.5%	14.4%	12.8%
Used in about half of my courses	55	750	2783
	6.7%	6.3%	6.4%
Used in most of my courses	25	556	2585
	3.0%	4.7%	6.0%
Used in all my courses	3	280	1787
	0.4%	2.3%	4.1%
Total respondent count	823	11937	43357
	(Percentages sum to 100%)	100.0%	100.0%

3.7. Resource/tool usage: E-books or e-textbooks	Appalachian State University	MA public institutions	All US institutions
Did not use at all	311	4213	12991
	37.6%	35.2%	29.9%
Used in at least one course	304	3759	13517
	36.8%	31.4%	31.1%
Used in about half of my courses	142	2039	8126

	17.2%	17.0%	18.7%
Used in most of my courses	59	1329	5744
	7.1%	11.1%	13.2%
Used in all my courses	11	628	3076
	1.3%	5.2%	7.1%
Total respondent count (Percentages sum to 100%)	827	11968	43454
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Simulations or educational games	Appalachian State University	MA public institutions	All US institutions
Did not use at all	560	7549	26751
	68.0%	63.2%	61.6%
Used in at least one course	194	2592	9730
	23.5%	21.7%	22.4%
Used in about half of my courses	45	926	3434
	5.5%	7.7%	7.9%
Used in most of my courses	21	602	2333
	2.5%	5.0%	5.4%
Used in all my courses	4	285	1156
	0.5%	2.4%	2.7%
Total respondent count (Percentages sum to 100%)	824	11954	43404
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Recorded lectures or lecture capture	Appalachian State University	MA public institutions	All US institutions
Did not use at all	563	7677	26142
	68.7%	64.3%	60.2%
Used in at least one course	169	2104	8290
	20.6%	17.6%	19.1%
Used in about half of my courses	39	999	4083
	4.8%	8.4%	9.4%
Used in most of my courses	42	740	3110
	5.1%	6.2%	7.2%
Used in all my courses	7	422	1779
	0.9%	3.5%	4.1%
Total respondent count (Percentages sum to 100%)	820	11942	43404
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Online collaboration tools	Appalachian State University	MA public institutions	All US institutions
Did not use at all	212	2043	8868
	25.8%	17.1%	20.4%
Used in at least one course	232	2204	8792
	28.2%	18.4%	20.2%
Used in about half of my courses	153	2123	7900
	18.6%	17.8%	18.2%
Used in most of my courses	149	2822	9253
	18.1%	23.6%	21.3%
Used in all my courses	77	2765	8622
	9.4%	23.1%	19.9%
Total respondent count (Percentages sum to 100%)	823	11957	43435
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Tablet during class	Appalachian State University	MA public institutions	All US institutions
Did not use at all	587	7060	26700
	71.4%	59.1%	61.5%
Used in at least one course	112	1935	6165
	13.6%	16.2%	14.2%
Used in about half of my courses	65	1320	4493
	7.9%	11.0%	10.4%
Used in most of my courses	41	1013	3664
	5.0%	8.5%	8.4%
Used in all my courses	17	627	2373
	2.1%	5.2%	5.5%
Total respondent count (Percentages sum to 100%)	822	11955	43395
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Smartphone during class	Appalachian State University	MA public institutions	All US institutions
Did not use at all	278	3832	14617
	33.8%	32.0%	33.6%
Used in at least one course	327	3841	13208
	39.8%	32.1%	30.4%
Used in about half of my courses	131	2079	7259
	15.9%	17.4%	16.7%
Used in most of my courses	63	1384	5147
	7.7%	11.6%	11.8%
Used in all my courses	23	831	3243
	2.8%	6.9%	7.5%
Total respondent count (Percentages sum to 100%)	822	11967	43474
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Laptop during class	Appalachian State University	MA public institutions	All US institutions
Did not use at all	146	3004	9990
	17.6%	25.1%	23.0%
Used in at least one course	264	3266	10139
	31.9%	27.3%	23.3%
Used in about half of my courses	219	2508	8773
	26.4%	20.9%	20.2%
Used in most of my courses	147	1919	8096
	17.8%	16.0%	18.6%
Used in all my courses	52	1283	6467
	6.3%	10.7%	14.9%
Total respondent count (Percentages sum to 100%)	828	11980	43465
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Social media as a learning tool	Appalachian State University	MA public institutions	All US institutions
Did not use at all	472	6188	22842
	57.5%	51.8%	52.6%
Used in at least one course	244	3123	10706
	29.7%	26.1%	24.7%
	53	1266	4682

Used in about half of my courses	6.5%	10.6%	10.8%
	43	893	3319
Used in most of my courses	5.2%	7.5%	7.6%
	9	479	1868
Used in all my courses	1.1%	4.0%	4.3%
	821	11949	43417
Total respondent count (Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Resource/tool usage: 3D printers	Appalachian State University	MA public institutions	All US institutions
Did not use at all	783	10694	38246
	95.0%	89.4%	88.1%
Used in at least one course	14	378	1847
	1.7%	3.2%	4.3%
Used in about half of my courses	13	373	1331
	1.6%	3.1%	3.1%
Used in most of my courses	9	353	1304
	1.1%	3.0%	3.0%
Used in all my courses	5	158	687
	0.6%	1.3%	1.6%
Total respondent count (Percentages sum to 100%)	824	11956	43415
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Software to create videos or multimedia resources	Appalachian State University	MA public institutions	All US institutions
Did not use at all	387	6504	23642
	46.9%	54.4%	54.5%
Used in at least one course	277	2949	10350
	33.6%	24.7%	23.9%
Used in about half of my courses	100	1253	4571
	12.1%	10.5%	10.5%
Used in most of my courses	56	863	3225
	6.8%	7.2%	7.4%
Used in all my courses	5	385	1599
	0.6%	3.2%	3.7%
Total respondent count (Percentages sum to 100%)	825	11954	43387
	100.0%	100.0%	100.0%

3.7. Resource/tool usage: Non-keyboard or non-mouse interfaces	Appalachian State University	MA public institutions	All US institutions
Did not use at all	593	7801	28117
	71.9%	65.2%	64.7%
Used in at least one course	129	1758	6148
	15.6%	14.7%	14.2%
Used in about half of my courses	55	1021	3879
	6.7%	8.5%	8.9%
Used in most of my courses	34	873	3234
	4.1%	7.3%	7.4%
Used in all my courses	14	509	2063
	1.7%	4.3%	4.7%
Total respondent count (Percentages sum to 100%)	825	11962	43441

	100.0%	100.0%	100.0%
3.7. Resource/tool usage: Search tools to find references or other information online for class work	Appalachian State University	MA public institutions	All US institutions
Did not use at all	95 11.6%	1751 14.7%	6358 14.7%
Used in at least one course	177 21.6%	2361 19.8%	8028 18.5%
Used in about half of my courses	228 27.8%	2789 23.3%	9671 22.3%
Used in most of my courses	212 25.9%	2936 24.6%	10710 24.7%
Used in all my courses	107 13.1%	2114 17.7%	8606 19.8%
Total respondent count (Percentages sum to 100%)	819 100.0%	11951 100.0%	43373 100.0%

	100.0%	100.0%	100.0%
3.7. Resource/tool usage: Online blogs or discussion/collaboration tools related to class work	Appalachian State University	MA public institutions	All US institutions
Did not use at all	280 34.0%	4176 34.9%	14840 34.2%
Used in at least one course	318 38.6%	3818 31.9%	13647 31.4%
Used in about half of my courses	147 17.8%	2025 16.9%	7312 16.8%
Used in most of my courses	59 7.2%	1289 10.8%	4902 11.3%
Used in all my courses	20 2.4%	652 5.5%	2724 6.3%
Total respondent count (Percentages sum to 100%)	824 100.0%	11960 100.0%	43425 100.0%

	100.0%	100.0%	100.0%
3.8. More effective if better skilled with: LMS	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	67 8.1%	835 7.0%	3287 7.6%
Disagree	104 12.6%	976 8.1%	3707 8.5%
Neutral	344 41.6%	3887 32.4%	14396 33.1%
Agree	239 28.9%	4054 33.8%	14345 33.0%
Strongly agree	72 8.7%	2242 18.7%	7775 17.9%
Total respondent count (Percentages sum to 100%)	826 100.0%	11994 100.0%	43510 100.0%

	100.0%	100.0%	100.0%
3.8. More effective if better skilled with: E-portfolios	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	94 11.4%	1572 13.1%	6323 14.5%
Disagree	139	1675	6519

	16.9%	14.0%	15.0%
Neutral	377	5393	19360
	45.8%	45.0%	44.5%
Agree	179	2346	7869
	21.7%	19.6%	18.1%
Strongly agree	35	1006	3427
	4.2%	8.4%	7.9%
Total respondent count (Percentages sum to 100%)	824	11992	43498
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: E-books or e-textbooks	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	69	1310	4600
	8.4%	10.9%	10.6%
Disagree	112	1496	5212
	13.6%	12.5%	12.0%
Neutral	310	4158	14702
	37.6%	34.7%	33.8%
Agree	261	3367	12613
	31.7%	28.1%	29.0%
Strongly agree	72	1659	6376
	8.7%	13.8%	14.7%
Total respondent count (Percentages sum to 100%)	824	11990	43503
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Simulations or educational games	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	82	1423	5279
	9.9%	11.9%	12.1%
Disagree	139	1543	5992
	16.8%	12.9%	13.8%
Neutral	320	4354	15677
	38.7%	36.3%	36.0%
Agree	226	3301	11827
	27.3%	27.5%	27.2%
Strongly agree	60	1362	4745
	7.3%	11.4%	10.9%
Total respondent count (Percentages sum to 100%)	827	11983	43520
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Recorded lectures or lecture capture	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	68	1138	3990
	8.2%	9.5%	9.2%
Disagree	116	1331	4687
	14.0%	11.1%	10.8%
Neutral	297	3870	13788
	35.8%	32.3%	31.7%
Agree	267	3786	13856
	32.2%	31.6%	31.8%
Strongly agree	81	1861	7184
	9.8%	15.5%	16.5%

Total respondent count	829	11986	43505
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Online collaboration tools	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	63	841	3210
	7.6%	7.0%	7.4%
Disagree	74	888	3521
	8.9%	7.4%	8.1%
Neutral	315	3808	14221
	38.1%	31.8%	32.7%
Agree	298	4244	15095
	36.0%	35.4%	34.7%
Strongly agree	77	2212	7476
	9.3%	18.4%	17.2%
Total respondent count	827	11993	43523
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Tablet during class	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	107	1571	6009
	13.0%	13.1%	13.8%
Disagree	157	1709	6546
	19.0%	14.2%	15.0%
Neutral	349	4465	16228
	42.3%	37.2%	37.3%
Agree	175	2894	9975
	21.2%	24.1%	22.9%
Strongly agree	37	1359	4757
	4.5%	11.3%	10.9%
Total respondent count	825	11998	43515
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Smartphone during class	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	95	1564	5976
	11.4%	13.0%	13.7%
Disagree	174	1896	7340
	21.0%	15.8%	16.9%
Neutral	305	4213	15262
	36.7%	35.1%	35.1%
Agree	210	3001	10353
	25.3%	25.0%	23.8%
Strongly agree	46	1324	4594
	5.5%	11.0%	10.6%
Total respondent count	830	11998	43525
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Laptop during class	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	46	937	3489
	5.6%	7.8%	8.0%

Disagree	79	1125	4222
	9.6%	9.4%	9.7%
Neutral	271	3719	13411
	32.8%	31.0%	30.8%
Agree	311	3997	13917
	37.7%	33.3%	32.0%
Strongly agree	119	2216	8503
	14.4%	18.5%	19.5%
Total respondent count (Percentages sum to 100%)	826	11994	43542
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Social media as a learning tool	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	127	1869	7095
	15.3%	15.6%	16.3%
Disagree	168	2107	7812
	20.2%	17.6%	18.0%
Neutral	313	4317	15521
	37.7%	36.0%	35.7%
Agree	187	2670	9463
	22.5%	22.3%	21.7%
Strongly agree	35	1032	3623
	4.2%	8.6%	8.3%
Total respondent count (Percentages sum to 100%)	830	11995	43514
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: 3D printers	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	126	2279	8455
	15.2%	19.0%	19.4%
Disagree	175	1953	7258
	21.2%	16.3%	16.7%
Neutral	333	4790	16898
	40.3%	39.9%	38.8%
Agree	133	1846	6843
	16.1%	15.4%	15.7%
Strongly agree	60	1125	4067
	7.3%	9.4%	9.3%
Total respondent count (Percentages sum to 100%)	827	11993	43521
	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Software to create videos or multimedia resources	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	68	1330	4901
	8.2%	11.1%	11.3%
Disagree	100	1473	5612
	12.1%	12.3%	12.9%
Neutral	287	4455	15907
	34.7%	37.2%	36.6%
Agree	300	3345	11915
	36.2%	27.9%	27.4%
	73	1368	5149

Strongly agree	8.8%	11.4%	11.8%
Total respondent count	828	11971	43484
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Non-keyboard or non-mouse interfaces	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	113 13.7%	1704 14.2%	6213 14.3%
Disagree	170 20.6%	2001 16.7%	7445 17.1%
Neutral	366 44.4%	4962 41.4%	18061 41.5%
Agree	149 18.1%	2322 19.4%	8269 19.0%
Strongly agree	27 3.3%	994 8.3%	3523 8.1%
Total respondent count	825	11983	43511
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Search tools to find references or other information online for class work	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	35 4.2%	734 6.1%	2678 6.2%
Disagree	42 5.1%	678 5.7%	2663 6.1%
Neutral	244 29.5%	3358 28.0%	12094 27.8%
Agree	389 47.0%	4860 40.5%	17340 39.9%
Strongly agree	117 14.1%	2358 19.7%	8723 20.1%
Total respondent count	827	11988	43498
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.8. More effective if better skilled with: Online blogs or discussion/collaboration tools related to class work	Appalachian State University	MA public institutions	All US institutions
Strongly disagree	76 9.2%	1255 10.5%	4539 10.4%
Disagree	110 13.3%	1463 12.2%	5630 12.9%
Neutral	358 43.3%	4608 38.5%	16641 38.3%
Agree	236 28.6%	3444 28.8%	12288 28.3%
Strongly agree	46 5.6%	1204 10.1%	4390 10.1%
Total respondent count	826	11974	43488
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.9. Notification interest: Guidance about courses you might consider taking	Appalachian State University	MA public institutions	All US institutions
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Don't know	30	435	1534
	3.6%	3.6%	3.5%
Not at all interested	20	496	2019
	2.4%	4.1%	4.7%
Not very interested	76	937	3496
	9.2%	7.8%	8.1%
Moderately interested	273	3393	12285
	33.1%	28.3%	28.3%
Very interested	273	3692	13224
	33.1%	30.8%	30.5%
Extremely interested	153	3018	10854
	18.5%	25.2%	25.0%
Total respondent count (Percentages sum to 100%)	825	11971	43412
	100.0%	100.0%	100.0%

3.9. Notification interest: Alerts if it appears your progress in a course is declining	Appalachian State University	MA public institutions	All US institutions
Don't know	24	383	1457
	2.9%	3.2%	3.4%
Not at all interested	40	510	2267
	4.9%	4.3%	5.2%
Not very interested	72	963	4142
	8.8%	8.1%	9.6%
Moderately interested	267	3348	12264
	32.5%	28.0%	28.3%
Very interested	271	3750	12938
	33.0%	31.4%	29.8%
Extremely interested	148	3006	10296
	18.0%	25.1%	23.7%
Total respondent count (Percentages sum to 100%)	822	11960	43364
	100.0%	100.0%	100.0%

3.9. Notification interest: Suggestions for how to improve performance	Appalachian State University	MA public institutions	All US institutions
Don't know	26	440	1617
	3.2%	3.7%	3.7%
Not at all interested	25	485	1832
	3.0%	4.1%	4.2%
Not very interested	75	906	3423
	9.1%	7.6%	7.9%
Moderately interested	258	3353	12003
	31.4%	28.0%	27.7%
Very interested	262	3756	13568
	31.9%	31.4%	31.3%
Extremely interested	175	3022	10940
	21.3%	25.3%	25.2%
Total respondent count (Percentages sum to 100%)	821	11962	43383
	100.0%	100.0%	100.0%

3.9. Notification interest: Suggestions about new or different academic resources	Appalachian State University	MA public institutions	All US institutions
	37	487	1768

Don't know	4.5%	4.1%	4.1%
Not at all interested	34	573	2195
	4.1%	4.8%	5.1%
Not very interested	107	1434	5334
	13.0%	12.0%	12.3%
Moderately interested	322	4087	14730
	39.2%	34.2%	34.0%
Very interested	216	3195	11400
	26.3%	26.7%	26.3%
Extremely interested	106	2169	7949
	12.9%	18.2%	18.3%
Total respondent count (Percentages sum to 100%)	822	11945	43376
	100.0%	100.0%	100.0%

3.9. Notification interest: Feedback about performance compared to other students	Appalachian State University	MA public institutions	All US institutions
Don't know	26	403	1578
	3.2%	3.4%	3.6%
Not at all interested	58	746	2981
	7.1%	6.2%	6.9%
Not very interested	98	1190	4383
	11.9%	10.0%	10.1%
Moderately interested	253	3486	11988
	30.8%	29.2%	27.6%
Very interested	229	3325	12073
	27.9%	27.8%	27.8%
Extremely interested	157	2798	10367
	19.1%	23.4%	23.9%
Total respondent count (Percentages sum to 100%)	821	11948	43370
	100.0%	100.0%	100.0%

3.9. Notification interest: Personalized support and information on degree progress	Appalachian State University	MA public institutions	All US institutions
Don't know	25	358	1449
	3.0%	3.0%	3.3%
Not at all interested	18	358	1387
	2.2%	3.0%	3.2%
Not very interested	39	608	2426
	4.8%	5.1%	5.6%
Moderately interested	239	2982	10725
	29.1%	24.9%	24.7%
Very interested	309	4085	14544
	37.7%	34.1%	33.5%
Extremely interested	190	3575	12863
	23.2%	29.9%	29.6%
Total respondent count (Percentages sum to 100%)	820	11966	43394
	100.0%	100.0%	100.0%

3.9. Notification interest: Personalized quizzes or practice questions	Appalachian State University	MA public institutions	All US institutions
Don't know	27	428	1587

	3.3%	3.6%	3.7%
Not at all interested	35	513	1921
	4.3%	4.3%	4.4%
Not very interested	74	973	3480
	9.0%	8.1%	8.0%
Moderately interested	241	3410	11684
	29.4%	28.5%	26.9%
Very interested	259	3555	13013
	31.6%	29.7%	30.0%
Extremely interested	184	3080	11670
	22.4%	25.8%	26.9%
Total respondent count (Percentages sum to 100%)	820	11959	43355
	100.0%	100.0%	100.0%

3.9. Notification interest: Personalized dashboards that give you real-time feedback about your progress	Appalachian State University	MA public institutions	All US institutions
Don't know	28	446	1699
	3.4%	3.7%	3.9%
Not at all interested	27	481	1776
	3.3%	4.0%	4.1%
Not very interested	68	808	3263
	8.3%	6.8%	7.5%
Moderately interested	257	3425	12122
	31.3%	28.6%	28.0%
Very interested	276	3802	13684
	33.6%	31.8%	31.6%
Extremely interested	166	2999	10816
	20.2%	25.1%	24.9%
Total respondent count (Percentages sum to 100%)	822	11961	43360
	100.0%	100.0%	100.0%

3.9. Notification interest: Real-time feedback for your instructor about your performance or progress	Appalachian State University	MA public institutions	All US institutions
Don't know	36	440	1718
	4.4%	3.7%	4.0%
Not at all interested	21	441	1754
	2.6%	3.7%	4.0%
Not very interested	72	932	3751
	8.8%	7.8%	8.6%
Moderately interested	270	3517	12911
	32.8%	29.4%	29.8%
Very interested	277	3808	13224
	33.7%	31.8%	30.5%
Extremely interested	146	2821	10014
	17.8%	23.6%	23.1%
Total respondent count (Percentages sum to 100%)	822	11959	43372
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Guidance about courses you might consider taking	Appalachian State University	MA public institutions	All US institutions
Service not provided	245	3360	12937
	29.7%	28.1%	29.8%

Don't know	80	941	3621
	9.7%	7.9%	8.3%
Not at all useful	14	283	1198
	1.7%	2.4%	2.8%
Not very useful	43	585	2299
	5.2%	4.9%	5.3%
Moderately useful	182	2501	8640
	22.1%	20.9%	19.9%
Very useful	165	2413	8185
	20.0%	20.2%	18.9%
Extremely useful	96	1877	6530
	11.6%	15.7%	15.0%
Total respondent count (Percentages sum to 100%)	825	11960	43410
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Alerts if it appears your progress in a course is declining	Appalachian State University	MA public institutions	All US institutions
Service not provided	328	3720	13763
	39.7%	31.1%	31.7%
Don't know	86	1018	4039
	10.4%	8.5%	9.3%
Not at all useful	14	323	1223
	1.7%	2.7%	2.8%
Not very useful	26	572	2320
	3.1%	4.8%	5.3%
Moderately useful	167	2203	7851
	20.2%	18.4%	18.1%
Very useful	129	2244	7667
	15.6%	18.8%	17.7%
Extremely useful	77	1883	6549
	9.3%	15.7%	15.1%
Total respondent count (Percentages sum to 100%)	827	11963	43412
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Suggestions for how to improve performance	Appalachian State University	MA public institutions	All US institutions
Service not provided	271	3514	13177
	32.8%	29.4%	30.4%
Don't know	100	1046	4122
	12.1%	8.7%	9.5%
Not at all useful	13	291	1048
	1.6%	2.4%	2.4%
Not very useful	35	565	2140
	4.2%	4.7%	4.9%
Moderately useful	175	2360	8208
	21.2%	19.7%	18.9%
Very useful	148	2345	8026
	17.9%	19.6%	18.5%
Extremely useful	85	1836	6675
	10.3%	15.4%	15.4%
Total respondent count (Percentages sum to 100%)	827	11957	43396
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Suggestions about new or different academic resources	Appalachian State University	MA public institutions	All US institutions
Service not provided	131	2199	8073
	15.8%	18.4%	18.6%
Don't know	116	1239	4704
	14.0%	10.4%	10.8%
Not at all useful	18	349	1384
	2.2%	2.9%	3.2%
Not very useful	63	857	3367
	7.6%	7.2%	7.8%
Moderately useful	272	3295	11834
	32.9%	27.6%	27.3%
Very useful	157	2399	8232
	19.0%	20.1%	19.0%
Extremely useful	71	1611	5812
	8.6%	13.5%	13.4%
Total respondent count (Percentages sum to 100%)	828	11949	43406
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Feedback about performance compared to other students	Appalachian State University	MA public institutions	All US institutions
Service not provided	322	3916	14013
	38.9%	32.7%	32.3%
Don't know	78	861	3396
	9.4%	7.2%	7.8%
Not at all useful	27	392	1551
	3.3%	3.3%	3.6%
Not very useful	47	750	2803
	5.7%	6.3%	6.5%
Moderately useful	154	2311	8322
	18.6%	19.3%	19.2%
Very useful	117	2054	7327
	14.1%	17.2%	16.9%
Extremely useful	82	1679	6005
	9.9%	14.0%	13.8%
Total respondent count (Percentages sum to 100%)	827	11963	43417
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Personalized support and information on degree progress	Appalachian State University	MA public institutions	All US institutions
Service not provided	138	2474	9365
	16.6%	20.7%	21.6%
Don't know	70	984	3847
	8.4%	8.2%	8.9%
Not at all useful	10	273	1022
	1.2%	2.3%	2.4%
Not very useful	34	585	2256
	4.1%	4.9%	5.2%
Moderately useful	216	2623	9333
	26.1%	21.9%	21.5%
	238	2796	9707

Very useful	28.7%	23.4%	22.4%
Extremely useful	123	2231	7898
	14.8%	18.6%	18.2%
Total respondent count (Percentages sum to 100%)	829	11966	43428
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Personalized quizzes or practice questions	Appalachian State University	MA public institutions	All US institutions
Service not provided	328	3908	14705
	39.7%	32.7%	33.9%
Don't know	68	883	3344
	8.2%	7.4%	7.7%
Not at all useful	22	294	1093
	2.7%	2.5%	2.5%
Not very useful	39	605	2005
	4.7%	5.1%	4.6%
Moderately useful	154	2200	7632
	18.6%	18.4%	17.6%
Very useful	124	2203	7796
	15.0%	18.4%	18.0%
Extremely useful	92	1860	6819
	11.1%	15.6%	15.7%
Total respondent count (Percentages sum to 100%)	827	11953	43394
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Personalized dashboards that give you real-time feedback about your progress	Appalachian State University	MA public institutions	All US institutions
Service not provided	252	3192	11371
	30.4%	26.7%	26.2%
Don't know	84	1014	3860
	10.1%	8.5%	8.9%
Not at all useful	7	265	1061
	0.8%	2.2%	2.4%
Not very useful	43	608	2286
	5.2%	5.1%	5.3%
Moderately useful	195	2601	9210
	23.5%	21.7%	21.2%
Very useful	156	2445	8826
	18.8%	20.4%	20.3%
Extremely useful	92	1836	6790
	11.1%	15.3%	15.6%
Total respondent count (Percentages sum to 100%)	829	11961	43404
	100.0%	100.0%	100.0%

3.10. Notification usefulness: Real-time feedback for your instructor about your performance or progress	Appalachian State University	MA public institutions	All US institutions
Service not provided	220	3045	11160
	26.6%	25.4%	25.7%
Don't know	95	1191	4764
	11.5%	10.0%	11.0%
Not at all useful	12	272	1064

	1.5%	2.3%	2.5%
Not very useful	44	618	2282
	5.3%	5.2%	5.3%
Moderately useful	196	2576	9214
	23.7%	21.5%	21.2%
Very useful	170	2456	8562
	20.6%	20.5%	19.7%
Extremely useful	90	1810	6372
	10.9%	15.1%	14.7%
Total respondent count (Percentages sum to 100%)	827	11968	43418
	100.0%	100.0%	100.0%

3.11. Opinion of individualized messages created from data collected from/about students	Appalachian State University	MA public institutions	All US institutions
Very bad idea	54	696	2684
	6.5%	5.8%	6.1%
Bad idea	79	1129	4231
	9.6%	9.4%	9.7%
Neither good nor bad	215	3449	12235
	26.0%	28.7%	28.0%
Good idea	371	5120	18604
	44.9%	42.5%	42.6%
Very good idea	107	1642	5895
	13.0%	13.6%	13.5%
Total respondent count (Percentages sum to 100%)	826	12036	43649
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Performance in past courses	Appalachian State University	MA public institutions	All US institutions
Very bad idea	39	575	2224
	4.7%	4.8%	5.1%
Bad idea	58	759	2827
	7.0%	6.3%	6.5%
Neither good nor bad	228	3383	11860
	27.7%	28.3%	27.3%
Good idea	398	5474	19916
	48.3%	45.8%	45.8%
Very good idea	101	1773	6621
	12.3%	14.8%	15.2%
Total respondent count (Percentages sum to 100%)	824	11964	43448
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Performance in current courses	Appalachian State University	MA public institutions	All US institutions
Very bad idea	27	475	1854
	3.3%	4.0%	4.3%
Bad idea	43	526	1937
	5.2%	4.4%	4.5%
Neither good nor bad	158	2541	8823
	19.1%	21.2%	20.3%
Good idea	456	5981	21803
	55.1%	50.0%	50.2%

Very good idea	143	2450	9015
	17.3%	20.5%	20.8%
Total respondent count (Percentages sum to 100%)	827	11973	43432
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Progress toward your degree or certificate goal	Appalachian State University	MA public institutions	All US institutions
Very bad idea	25	411	1584
	3.0%	3.4%	3.6%
Bad idea	31	342	1288
	3.8%	2.9%	3.0%
Neither good nor bad	134	2164	7464
	16.3%	18.1%	17.2%
Good idea	438	5875	21138
	53.2%	49.1%	48.7%
Very good idea	196	3179	11942
	23.8%	26.6%	27.5%
Total respondent count (Percentages sum to 100%)	824	11971	43416
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Performance in individual courses compared to the performance of other students	Appalachian State University	MA public institutions	All US institutions
Very bad idea	52	785	3068
	6.3%	6.6%	7.1%
Bad idea	107	1110	3900
	13.0%	9.3%	9.0%
Neither good nor bad	201	3348	11393
	24.4%	28.0%	26.2%
Good idea	354	4803	17736
	43.0%	40.1%	40.8%
Very good idea	110	1923	7356
	13.3%	16.1%	16.9%
Total respondent count (Percentages sum to 100%)	824	11969	43453
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Activity on a college or university website	Appalachian State University	MA public institutions	All US institutions
Very bad idea	81	1114	4425
	9.8%	9.3%	10.2%
Bad idea	109	1369	5263
	13.2%	11.4%	12.1%
Neither good nor bad	265	4025	14318
	32.1%	33.6%	33.0%
Good idea	308	4143	14728
	37.3%	34.6%	33.9%
Very good idea	63	1315	4713
	7.6%	11.0%	10.8%
Total respondent count (Percentages sum to 100%)	826	11966	43447
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Activity in a specific application or service provided by the college or university	Appalachian State University	MA public institutions	All US institutions
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Very bad idea	57	931	3464
	6.9%	7.8%	8.0%
Bad idea	86	1004	3706
	10.4%	8.4%	8.5%
Neither good nor bad	267	4140	14486
	32.4%	34.7%	33.4%
Good idea	342	4517	16600
	41.6%	37.9%	38.3%
Very good idea	71	1340	5121
	8.6%	11.2%	11.8%
Total respondent count (Percentages sum to 100%)	823	11932	43377
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Campus-based activities logged through your student ID/smart card	Appalachian State University	MA public institutions	All US institutions
Very bad idea	85	1267	4954
	10.3%	10.6%	11.4%
Bad idea	121	1476	5526
	14.7%	12.3%	12.7%
Neither good nor bad	245	3815	13547
	29.7%	31.9%	31.2%
Good idea	290	4059	14448
	35.2%	33.9%	33.2%
Very good idea	83	1356	4981
	10.1%	11.3%	11.5%
Total respondent count (Percentages sum to 100%)	824	11973	43456
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Campus-based activities logged through your smartphone	Appalachian State University	MA public institutions	All US institutions
Very bad idea	142	1914	7253
	17.3%	16.0%	16.7%
Bad idea	193	2077	7639
	23.5%	17.4%	17.6%
Neither good nor bad	236	3766	13502
	28.7%	31.5%	31.1%
Good idea	202	3125	11090
	24.6%	26.1%	25.5%
Very good idea	49	1082	3939
	6.0%	9.0%	9.1%
Total respondent count (Percentages sum to 100%)	822	11964	43423
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Location on campus	Appalachian State University	MA public institutions	All US institutions
Very bad idea	194	2590	9757
	23.5%	21.6%	22.5%
Bad idea	223	2313	8774
	27.0%	19.3%	20.2%
Neither good nor bad	208	3547	12267
	25.2%	29.6%	28.2%
	159	2570	9119

Good idea	19.2%	21.5%	21.0%
Very good idea	42	955	3526
	5.1%	8.0%	8.1%
Total respondent count (Percentages sum to 100%)	826	11975	43443
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Proximity to a college building, office, or resource	Appalachian State University	MA public institutions	All US institutions
Very bad idea	150	1857	7176
	18.2%	15.5%	16.5%
Bad idea	162	1883	7171
	19.7%	15.7%	16.5%
Neither good nor bad	265	3943	13852
	32.2%	32.9%	31.9%
Good idea	192	3177	11218
	23.3%	26.5%	25.8%
Very good idea	55	1107	4022
	6.7%	9.3%	9.3%
Total respondent count (Percentages sum to 100%)	824	11967	43439
	100.0%	100.0%	100.0%

3.12. Data collection opinion: Social media activities	Appalachian State University	MA public institutions	All US institutions
Very bad idea	296	3520	13541
	35.8%	29.4%	31.2%
Bad idea	208	2573	9742
	25.2%	21.5%	22.4%
Neither good nor bad	193	3108	10724
	23.4%	26.0%	24.7%
Good idea	102	2038	6810
	12.3%	17.0%	15.7%
Very good idea	27	725	2632
	3.3%	6.1%	6.1%
Total respondent count (Percentages sum to 100%)	826	11964	43449
	100.0%	100.0%	100.0%

3.13. Opinion of combining data about school-related activities with social media and mobile device data	Appalachian State University	MA public institutions	All US institutions
Very bad idea	172	2131	8019
	20.8%	17.7%	18.4%
Bad idea	200	2421	8965
	24.2%	20.1%	20.5%
Neither good nor bad	242	3889	13776
	29.2%	32.4%	31.6%
Good idea	172	2818	10135
	20.8%	23.4%	23.2%
Very good idea	42	761	2748
	5.1%	6.3%	6.3%
Total respondent count (Percentages sum to 100%)	828	12020	43643
	100.0%	100.0%	100.0%

3.14. Wish instructors used: LMS	Appalachian State		
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	University	MA public institutions	All US institutions
Don't know	176	1319	5330
	21.4%	11.0%	12.3%
(Less) 1	70	712	2586
	8.5%	6.0%	6.0%
2	60	759	2817
	7.3%	6.4%	6.5%
3	244	3134	11811
	29.6%	26.2%	27.3%
4	155	2843	10002
	18.8%	23.8%	23.1%
(More) 5	118	3175	10731
	14.3%	26.6%	24.8%
Total respondent count (Percentages sum to 100%)	823	11942	43277
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Online collaboration tools	Appalachian State University	MA public institutions	All US institutions
Don't know	141	1482	6056
	17.2%	12.4%	14.0%
(Less) 1	73	835	3193
	8.9%	7.0%	7.4%
2	69	867	3314
	8.4%	7.3%	7.7%
3	261	3100	11676
	31.8%	26.0%	27.0%
4	175	2788	9820
	21.3%	23.4%	22.7%
(More) 5	101	2851	9214
	12.3%	23.9%	21.3%
Total respondent count (Percentages sum to 100%)	820	11923	43273
	100.0%	100.0%	100.0%

3.14. Wish instructors used: E-portfolios	Appalachian State University	MA public institutions	All US institutions
Don't know	292	4565	17048
	35.5%	38.2%	39.4%
(Less) 1	142	1880	7156
	17.3%	15.7%	16.5%
2	94	1044	3697
	11.4%	8.7%	8.5%
3	173	2356	8304
	21.0%	19.7%	19.2%
4	81	1087	3795
	9.9%	9.1%	8.8%
(More) 5	40	1010	3317
	4.9%	8.5%	7.7%
Total respondent count (Percentages sum to 100%)	822	11942	43317
	100.0%	100.0%	100.0%

3.14. Wish instructors used: E-books or e-textbooks	Appalachian State University	MA public institutions	All US institutions
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Don't know	131	1936	6398
	15.9%	16.2%	14.8%
(Less) 1	143	1948	6653
	17.3%	16.3%	15.4%
2	85	1202	4188
	10.3%	10.1%	9.7%
3	225	2730	9852
	27.3%	22.8%	22.7%
4	138	1860	7372
	16.7%	15.6%	17.0%
(More) 5	103	2275	8866
	12.5%	19.0%	20.5%
Total respondent count (Percentages sum to 100%)	825	11951	43329
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Freely available content beyond your campus	Appalachian State University	MA public institutions	All US institutions
Don't know	102	1420	5138
	12.5%	11.9%	11.9%
(Less) 1	44	686	2453
	5.4%	5.7%	5.7%
2	59	738	2539
	7.2%	6.2%	5.9%
3	183	2677	9064
	22.4%	22.4%	20.9%
4	233	2984	11157
	28.6%	25.0%	25.8%
(More) 5	195	3435	12933
	23.9%	28.8%	29.9%
Total respondent count (Percentages sum to 100%)	816	11940	43284
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Simulations or educational games	Appalachian State University	MA public institutions	All US institutions
Don't know	145	2115	7693
	17.7%	17.7%	17.8%
(Less) 1	120	1416	5116
	14.6%	11.9%	11.8%
2	64	1015	3510
	7.8%	8.5%	8.1%
3	173	2645	9386
	21.1%	22.1%	21.7%
4	200	2422	9090
	24.4%	20.3%	21.0%
(More) 5	118	2329	8521
	14.4%	19.5%	19.7%
Total respondent count (Percentages sum to 100%)	820	11942	43316
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Recorded lectures or lecture capture	Appalachian State University	MA public institutions	All US institutions
	140	1776	6209

Don't know	17.1%	14.9%	14.3%
(Less) 1	80	948	3051
	9.8%	7.9%	7.0%
2	39	764	2473
	4.8%	6.4%	5.7%
3	161	2361	8174
	19.7%	19.8%	18.9%
4	202	2693	9764
	24.7%	22.5%	22.5%
(More) 5	197	3405	13653
	24.1%	28.5%	31.5%
Total respondent count (Percentages sum to 100%)	819	11947	43324
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Tablet during class	Appalachian State University	MA public institutions	All US institutions
Don't know	215	2695	10657
	26.3%	22.6%	24.6%
(Less) 1	155	1808	6850
	19.0%	15.1%	15.8%
2	79	1051	3767
	9.7%	8.8%	8.7%
3	189	2771	9878
	23.2%	23.2%	22.8%
4	108	1729	6008
	13.2%	14.5%	13.9%
(More) 5	70	1893	6146
	8.6%	15.8%	14.2%
Total respondent count (Percentages sum to 100%)	816	11947	43306
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Smartphone during class	Appalachian State University	MA public institutions	All US institutions
Don't know	127	1996	7652
	15.5%	16.7%	17.7%
(Less) 1	165	1959	7544
	20.1%	16.4%	17.4%
2	83	1223	4345
	10.1%	10.2%	10.0%
3	224	2931	10667
	27.3%	24.5%	24.6%
4	132	1954	6803
	16.1%	16.4%	15.7%
(More) 5	91	1884	6305
	11.1%	15.8%	14.6%
Total respondent count (Percentages sum to 100%)	822	11947	43316
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Laptop during class	Appalachian State University	MA public institutions	All US institutions
Don't know	76	1351	5075

	9.3%	11.3%	11.7%
(Less) 1	57	974	3537
	7.0%	8.2%	8.2%
2	64	893	3153
	7.8%	7.5%	7.3%
3	223	3055	10950
	27.2%	25.6%	25.3%
4	213	2615	9673
	26.0%	21.9%	22.3%
(More) 5	186	3057	10913
	22.7%	25.6%	25.2%
Total respondent count (Percentages sum to 100%)	819	11945	43301
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Social media as a learning tool	Appalachian State University	MA public institutions	All US institutions
Don't know	172	2308	8743
	21.0%	19.3%	20.2%
(Less) 1	220	2703	10258
	26.8%	22.6%	23.7%
2	124	1395	4901
	15.1%	11.7%	11.3%
3	168	2733	9665
	20.5%	22.9%	22.3%
4	89	1514	5434
	10.9%	12.7%	12.6%
(More) 5	47	1285	4294
	5.7%	10.8%	9.9%
Total respondent count (Percentages sum to 100%)	820	11938	43295
	100.0%	100.0%	100.0%

3.14. Wish instructors used: 3D printers	Appalachian State University	MA public institutions	All US institutions
Don't know	331	5019	18224
	40.4%	42.1%	42.1%
(Less) 1	103	1571	5427
	12.6%	13.2%	12.5%
2	41	696	2398
	5.0%	5.8%	5.5%
3	124	1877	6873
	15.1%	15.7%	15.9%
4	103	1168	4403
	12.6%	9.8%	10.2%
(More) 5	118	1603	5979
	14.4%	13.4%	13.8%
Total respondent count (Percentages sum to 100%)	820	11934	43304
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Non-keyboard or non-mouse interfaces	Appalachian State University	MA public institutions	All US institutions
Don't know	271	3592	13438
	33.0%	30.1%	31.0%

(Less) 1	132	1665	6019
	16.1%	13.9%	13.9%
2	75	1146	4000
	9.1%	9.6%	9.2%
3	219	2902	10404
	26.7%	24.3%	24.0%
4	67	1362	5044
	8.2%	11.4%	11.6%
(More) 5	57	1272	4401
	6.9%	10.7%	10.2%
Total respondent count (Percentages sum to 100%)	821	11939	43306
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Software to create videos or multimedia resources	Appalachian State University	MA public institutions	All US institutions
Don't know	165	2674	9920
	20.2%	22.4%	22.9%
(Less) 1	92	1416	4984
	11.3%	11.9%	11.5%
2	98	1167	4082
	12.0%	9.8%	9.4%
3	215	3024	10958
	26.4%	25.4%	25.3%
4	149	1979	7335
	18.3%	16.6%	17.0%
(More) 5	96	1664	5993
	11.8%	14.0%	13.8%
Total respondent count (Percentages sum to 100%)	815	11924	43272
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Early-alert systems	Appalachian State University	MA public institutions	All US institutions
Don't know	118	1551	6028
	14.4%	13.0%	13.9%
(Less) 1	65	753	2746
	7.9%	6.3%	6.3%
2	46	704	2513
	5.6%	5.9%	5.8%
3	185	2429	9043
	22.5%	20.3%	20.9%
4	223	3044	10854
	27.2%	25.5%	25.1%
(More) 5	184	3467	12132
	22.4%	29.0%	28.0%
Total respondent count (Percentages sum to 100%)	821	11948	43316
	100.0%	100.0%	100.0%

3.14. Wish instructors used: Search tools to find references or other information online for class work	Appalachian State University	MA public institutions	All US institutions
Don't know	96	1457	5633
	11.7%	12.2%	13.0%
	38	631	2294

(Less) 1	4.6%	5.3%	5.3%
	68	837	2892
2	8.3%	7.0%	6.7%
	257	3403	12162
3	31.3%	28.5%	28.1%
	245	3100	11334
4	29.8%	26.0%	26.2%
	118	2504	8943
(More) 5	14.4%	21.0%	20.7%
	822	11932	43258
Total respondent count (Percentages sum to 100%)	100.0%	100.0%	100.0%

3.14. Wish instructors used: Online blogs or discussion/collaboration tools related to class work	Appalachian State University	MA public institutions	All US institutions
Don't know	120	1865	6929
	14.7%	15.6%	16.0%
(Less) 1	142	1837	6555
	17.4%	15.4%	15.2%
2	109	1474	5503
	13.3%	12.3%	12.7%
3	229	3238	11648
	28.0%	27.1%	26.9%
4	145	1981	7327
	17.7%	16.6%	16.9%
(More) 5	73	1542	5303
	8.9%	12.9%	12.3%
Total respondent count (Percentages sum to 100%)	818	11937	43265
	100.0%	100.0%	100.0%

3.15. Security practices: Let other people use my mobile devices unsupervised	Appalachian State University	MA public institutions	All US institutions
Don't know	36	546	1989
	4.4%	4.5%	4.6%
No	478	7702	27901
	58.0%	64.2%	64.1%
Yes	310	3754	13615
	37.6%	31.3%	31.3%
Total respondent count (Percentages sum to 100%)	824	12002	43505
	100.0%	100.0%	100.0%

3.15. Security practices: Secure access to computer, tablet, and smartphone with a password or PIN	Appalachian State University	MA public institutions	All US institutions
Don't know	38	551	1940
	4.6%	4.6%	4.5%
No	105	1711	5835
	12.8%	14.3%	13.4%
Yes	679	9740	35739
	82.6%	81.2%	82.1%
Total respondent count (Percentages sum to 100%)	822	12002	43514
	100.0%	100.0%	100.0%

3.15. Security practices: Use a combination of alpha,	Appalachian State		
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numeric, and symbol character passwords	University	MA public institutions	All US institutions
Don't know	47	798	2750
	5.7%	6.7%	6.3%
No	125	1723	5711
	15.2%	14.4%	13.1%
Yes	652	9465	35006
	79.1%	79.0%	80.5%
Total respondent count (Percentages sum to 100%)	824	11986	43467
	100.0%	100.0%	100.0%

3.15. Security practices: Have shared the password or PIN for my computer, tablet, or smartphone	Appalachian State University	MA public institutions	All US institutions
Don't know	42	622	2122
	5.1%	5.2%	4.9%
No	413	7298	27022
	50.1%	60.8%	62.1%
Yes	370	4084	14363
	44.8%	34.0%	33.0%
Total respondent count (Percentages sum to 100%)	825	12004	43507
	100.0%	100.0%	100.0%

3.15. Security practices: Have shared the password or PIN for an online account	Appalachian State University	MA public institutions	All US institutions
Don't know	47	667	2217
	5.7%	5.6%	5.1%
No	576	8988	32845
	70.0%	74.9%	75.5%
Yes	200	2348	8445
	24.3%	19.6%	19.4%
Total respondent count (Percentages sum to 100%)	823	12003	43507
	100.0%	100.0%	100.0%

3.15. Security practices: Have let someone log in as me to an institution service, system, app, or site	Appalachian State University	MA public institutions	All US institutions
Don't know	41	616	2241
	5.0%	5.1%	5.2%
No	628	9492	34773
	76.2%	79.1%	79.9%
Yes	155	1897	6488
	18.8%	15.8%	14.9%
Total respondent count (Percentages sum to 100%)	824	12005	43502
	100.0%	100.0%	100.0%

3.15. Security practices: Had a computer, tablet, or smartphone stolen	Appalachian State University	MA public institutions	All US institutions
Don't know	35	538	1880
	4.2%	4.5%	4.3%
No	722	10044	36288
	87.5%	83.7%	83.4%
Yes	68	1411	5325
	8.2%	11.8%	12.2%
Total respondent count (Percentages sum to 100%)	825	11993	43493

	100.0%	100.0%	100.0%
3.15. Security practices: Had an online account hacked	Appalachian State University	MA public institutions	All US institutions
Don't know	53 6.4%	927 7.7%	3393 7.8%
No	614 74.6%	8702 72.6%	31262 71.9%
Yes	156 19.0%	2356 19.7%	8836 20.3%
Total respondent count (Percentages sum to 100%)	823 100.0%	11985 100.0%	43491 100.0%

4.1. Preferred learning environment	Appalachian State University	MA public institutions	All US institutions
No online components	71 8.6%	1374 11.4%	4889 11.2%
Some online components	590 71.3%	7067 58.5%	25340 57.9%
Mostly but not completely online	89 10.8%	1878 15.6%	6660 15.2%
Completely online	22 2.7%	604 5.0%	2681 6.1%
No preference	55 6.7%	1151 9.5%	4203 9.6%
Total respondent count (Percentages sum to 100%)	827 100.0%	12074 100.0%	43773 100.0%

4.2. Extent of blended courses	Appalachian State University	MA public institutions	All US institutions
None	147 17.8%	2164 18.0%	8266 18.9%
A few	337 40.8%	4873 40.5%	16137 37.0%
About half	152 18.4%	2679 22.3%	9572 21.9%
Nearly all	156 18.9%	1779 14.8%	7138 16.4%
All	33 4.0%	537 4.5%	2528 5.8%
Total respondent count (Percentages sum to 100%)	825 100.0%	12032 100.0%	43641 100.0%

4.4. Taken completely online course in the past year	Appalachian State University	MA public institutions	All US institutions
No	555 67.4%	6406 53.3%	22776 52.3%
Yes	268 32.6%	5609 46.7%	20752 47.7%
Total respondent count (Percentages sum to 100%)	823 100.0%	12015 100.0%	43528 100.0%

4.5. Ever taken completely online course	Appalachian State		
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	University	MA public institutions	All US institutions
No	375	4711	17060
	45.4%	39.2%	39.2%
Yes	451	7299	26439
	54.6%	60.8%	60.8%
Total respondent count	826	12010	43499
(Percentages sum to 100%)	100.0%	100.0%	100.0%

4.6. Taken MOOC in the past year	Appalachian State University	MA public institutions	All US institutions
No, and I don't know what a MOOC is.	660	9517	32221
	79.9%	79.2%	74.0%
No, but I do know what a MOOC is.	129	1722	7420
	15.6%	14.3%	17.0%
Yes, but I didn't complete one.	25	386	1899
	3.0%	3.2%	4.4%
Yes, and I completed one.	12	396	1988
	1.5%	3.3%	4.6%
Total respondent count	826	12021	43528
(Percentages sum to 100%)	100.0%	100.0%	100.0%

4.7. Earned digital badge	Appalachian State University	MA public institutions	All US institutions
Don't know	234	3759	13226
	28.3%	31.3%	30.4%
No	471	7075	25419
	57.0%	58.9%	58.5%
Yes	121	1177	4838
	14.6%	9.8%	11.1%
Total respondent count	826	12011	43483
(Percentages sum to 100%)	100.0%	100.0%	100.0%

4.8. Would include on résumé	Appalachian State University	MA public institutions	All US institutions
Undergraduate degree/diploma	778	10833	39106
	94.9%	91.2%	90.7%
Certificate from an accredited college or university	428	5644	21672
	52.2%	47.5%	50.3%
Certificate from an industry-based training program	291	3556	14567
	35.5%	29.9%	33.8%
Certificate of completion of free course	192	2585	9934
	23.4%	21.8%	23.1%
Digital badge	214	2182	8278
	26.1%	18.4%	19.2%
E-portfolio	230	2630	9420
	28.0%	22.1%	21.9%
Jobs worked during college	673	8183	29634
	82.1%	68.9%	68.8%
Major projects completed during course work	479	6064	22183
	58.4%	51.1%	51.5%
Other, please specify	85	1006	3478
	10.4%	8.5%	8.1%

Total respondent count		820	11877	43097
4.9. I get more actively involved in courses that use technology.	Appalachian State University	MA public institutions	All US institutions	
Don't know	26	364	1395	
	3.2%	3.1%	3.2%	
Strongly disagree	55	751	2808	
	6.7%	6.3%	6.5%	
Somewhat disagree	115	1444	5210	
	14.1%	12.1%	12.1%	
Neutral	286	4073	14372	
	35.0%	34.3%	33.4%	
Somewhat agree	249	3559	12914	
	30.4%	29.9%	30.0%	
Strongly agree	87	1700	6325	
	10.6%	14.3%	14.7%	
Total respondent count (Percentages sum to 100%)	818	11891	43024	
	100.0%	100.0%	100.0%	

4.9. I am more likely to skip classes when materials are available online.	Appalachian State University	MA public institutions	All US institutions	
Don't know	25	393	1552	
	3.0%	3.3%	3.6%	
Strongly disagree	162	2936	10305	
	19.8%	24.7%	23.9%	
Somewhat disagree	133	1845	6619	
	16.2%	15.5%	15.4%	
Neutral	120	2458	8568	
	14.6%	20.7%	19.9%	
Somewhat agree	272	2926	10910	
	33.2%	24.6%	25.3%	
Strongly agree	108	1333	5093	
	13.2%	11.2%	11.8%	
Total respondent count (Percentages sum to 100%)	820	11891	43047	
	100.0%	100.0%	100.0%	

4.9. I entered college adequately prepared to use technology needed in my courses.	Appalachian State University	MA public institutions	All US institutions	
Don't know	16	281	1034	
	2.0%	2.4%	2.4%	
Strongly disagree	33	541	1886	
	4.0%	4.5%	4.4%	
Somewhat disagree	72	1121	4156	
	8.8%	9.4%	9.7%	
Neutral	126	2401	8157	
	15.4%	20.2%	18.9%	
Somewhat agree	346	4402	15506	
	42.2%	37.0%	36.0%	
Strongly agree	226	3155	12316	
	27.6%	26.5%	28.6%	
Total respondent count (Percentages sum to 100%)	819	11901	43055	
	100.0%	100.0%	100.0%	

4.9. Technology makes me feel more connected to the institution.	Appalachian State University	MA public institutions	All US institutions
Don't know	20	310	1127
	2.4%	2.6%	2.6%
Strongly disagree	33	442	1698
	4.0%	3.7%	3.9%
Somewhat disagree	46	794	2925
	5.6%	6.7%	6.8%
Neutral	160	3023	10592
	19.4%	25.4%	24.6%
Somewhat agree	399	4751	17246
	48.5%	40.0%	40.1%
Strongly agree	165	2570	9425
	20.0%	21.6%	21.9%
Total respondent count (Percentages sum to 100%)	823	11890	43013
	100.0%	100.0%	100.0%

4.9. Technology makes me feel connected to other students.	Appalachian State University	MA public institutions	All US institutions
Don't know	26	344	1296
	3.2%	2.9%	3.0%
Strongly disagree	58	802	3026
	7.1%	6.8%	7.0%
Somewhat disagree	87	1232	4651
	10.6%	10.4%	10.8%
Neutral	194	3385	12060
	23.7%	28.5%	28.0%
Somewhat agree	348	4217	15155
	42.6%	35.5%	35.2%
Strongly agree	104	1896	6847
	12.7%	16.0%	15.9%
Total respondent count (Percentages sum to 100%)	817	11876	43035
	100.0%	100.0%	100.0%

4.9. Technology makes me feel connected to instructors.	Appalachian State University	MA public institutions	All US institutions
Don't know	29	353	1268
	3.5%	3.0%	2.9%
Strongly disagree	52	796	3023
	6.4%	6.7%	7.0%
Somewhat disagree	108	1342	5071
	13.2%	11.3%	11.8%
Neutral	219	3629	12824
	26.8%	30.5%	29.8%
Somewhat agree	320	4045	14781
	39.1%	34.0%	34.3%
Strongly agree	90	1735	6109
	11.0%	14.6%	14.2%
Total respondent count (Percentages sum to 100%)	818	11900	43076
	100.0%	100.0%	100.0%

4.9. Technology interferes with my ability to concentrate and think deeply.	Appalachian State University	MA public institutions	All US institutions
Don't know	27	361	1336
	3.3%	3.0%	3.1%
Strongly disagree	124	2285	8870
	15.2%	19.2%	20.6%
Somewhat disagree	200	2440	8864
	24.5%	20.5%	20.6%
Neutral	216	3250	11250
	26.4%	27.3%	26.1%
Somewhat agree	189	2580	9325
	23.1%	21.7%	21.7%
Strongly agree	61	973	3406
	7.5%	8.2%	7.9%
Total respondent count (Percentages sum to 100%)	817	11889	43051
	100.0%	100.0%	100.0%

4.9. I am concerned that technology advances may increasingly invade my privacy.	Appalachian State University	MA public institutions	All US institutions
Don't know	21	387	1360
	2.6%	3.3%	3.2%
Strongly disagree	29	693	2607
	3.5%	5.8%	6.1%
Somewhat disagree	79	1083	4065
	9.6%	9.1%	9.4%
Neutral	185	2929	10145
	22.6%	24.6%	23.6%
Somewhat agree	302	3994	14586
	36.9%	33.6%	33.9%
Strongly agree	203	2808	10268
	24.8%	23.6%	23.9%
Total respondent count (Percentages sum to 100%)	819	11894	43031
	100.0%	100.0%	100.0%

4.9. In-class use of mobile devices is distracting for me.	Appalachian State University	MA public institutions	All US institutions
Don't know	24	349	1331
	2.9%	2.9%	3.1%
Strongly disagree	96	1762	6467
	11.7%	14.8%	15.0%
Somewhat disagree	158	1813	6433
	19.2%	15.2%	14.9%
Neutral	168	2999	10418
	20.5%	25.2%	24.2%
Somewhat agree	241	3091	11498
	29.4%	26.0%	26.7%
Strongly agree	134	1882	6916
	16.3%	15.8%	16.1%
Total respondent count (Percentages sum to 100%)	821	11896	43063
	100.0%	100.0%	100.0%

4.9. In-class use of mobile devices is distracting for	Appalachian State		

other students.	University	MA public institutions	All US institutions
Don't know	43	607	2416
	5.2%	5.1%	5.6%
Strongly disagree	59	1028	3919
	7.2%	8.6%	9.1%
Somewhat disagree	115	1355	5017
	14.0%	11.4%	11.7%
Neutral	189	3058	10795
	23.0%	25.7%	25.1%
Somewhat agree	263	3678	13129
	32.0%	30.9%	30.5%
Strongly agree	153	2165	7776
	18.6%	18.2%	18.1%
Total respondent count (Percentages sum to 100%)	822	11891	43052
	100.0%	100.0%	100.0%

4.9. In-class use of mobile devices is distracting for instructors.	Appalachian State University	MA public institutions	All US institutions
Don't know	61	792	3241
	7.4%	6.7%	7.5%
Strongly disagree	46	737	2783
	5.6%	6.2%	6.5%
Somewhat disagree	78	1094	4152
	9.5%	9.2%	9.6%
Neutral	153	2855	10420
	18.6%	24.0%	24.2%
Somewhat agree	302	3995	14232
	36.8%	33.6%	33.1%
Strongly agree	181	2415	8220
	22.0%	20.3%	19.1%
Total respondent count (Percentages sum to 100%)	821	11888	43048
	100.0%	100.0%	100.0%

4.9. Multitasking with my technology devices sometimes prevents me from concentrating	Appalachian State University	MA public institutions	All US institutions
Don't know	24	337	1251
	2.9%	2.8%	2.9%
Strongly disagree	55	1049	4091
	6.7%	8.8%	9.5%
Somewhat disagree	101	1452	5232
	12.3%	12.2%	12.2%
Neutral	154	2700	9187
	18.7%	22.7%	21.4%
Somewhat agree	344	4281	15387
	41.8%	36.0%	35.8%
Strongly agree	144	2072	7869
	17.5%	17.4%	18.3%
Total respondent count (Percentages sum to 100%)	822	11891	43017
	100.0%	100.0%	100.0%

4.9. I like to keep my online academic and social lives separate.	Appalachian State University	MA public institutions	All US institutions
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Don't know	28	403	1430
	3.4%	3.4%	3.3%
Strongly disagree	14	270	1022
	1.7%	2.3%	2.4%
Somewhat disagree	32	630	2487
	3.9%	5.3%	5.8%
Neutral	145	2330	7900
	17.7%	19.6%	18.4%
Somewhat agree	243	3135	11139
	29.6%	26.4%	25.9%
Strongly agree	359	5127	19070
	43.7%	43.1%	44.3%
Total respondent count (Percentages sum to 100%)	821	11895	43048
	100.0%	100.0%	100.0%

4.9. I wish I'd been better prepared to use institution-specific technology.	Appalachian State University	MA public institutions	All US institutions
Don't know	27	486	1778
	3.3%	4.1%	4.1%
Strongly disagree	80	1158	4700
	9.8%	9.8%	10.9%
Somewhat disagree	112	1530	5767
	13.7%	12.9%	13.4%
Neutral	239	3596	12896
	29.1%	30.3%	30.0%
Somewhat agree	227	3209	11555
	27.7%	27.0%	26.9%
Strongly agree	135	1893	6322
	16.5%	15.9%	14.7%
Total respondent count (Percentages sum to 100%)	820	11872	43018
	100.0%	100.0%	100.0%

4.9. I wish I'd been better prepared to use basic software.	Appalachian State University	MA public institutions	All US institutions
Don't know	37	467	1658
	4.5%	3.9%	3.9%
Strongly disagree	141	2035	8259
	17.2%	17.1%	19.2%
Somewhat disagree	166	1906	7048
	20.3%	16.0%	16.4%
Neutral	210	3552	12315
	25.6%	29.9%	28.6%
Somewhat agree	205	2566	9056
	25.0%	21.6%	21.0%
Strongly agree	60	1362	4704
	7.3%	11.5%	10.9%
Total respondent count (Percentages sum to 100%)	819	11888	43040
	100.0%	100.0%	100.0%

For question 4.11, respondents ranked up to eight items 1–8, with 1 representing the action done first. The values reported here are the average rank of each item and the number of respondents ranking each item.

4.11. Tech support		Appalachian State University	MA public institutions	All US institutions
Ask friends	Mean	2.9	3.3	3.6
	N	770	11122	40237
Ask family	Mean	6.0	6.0	6.1
	N	770	11122	40237
Ask instructors or teaching assistants	Mean	5.4	5.1	5.1
	N	770	11122	40237
Search Google, YouTube, or another online source	Mean	2.8	3.1	3.0
	N	770	11122	40237
Contact the company or vendor	Mean	7.5	7.5	7.4
	N	770	11122	40237
Use institution help desk services	Mean	6.2	6.0	6.1
	N	770	11122	40237
Figure it out on my own	Mean	2.8	2.9	2.9
	N	770	11122	40237
Other	Mean	8.3	8.2	8.3
	N	770	11122	40237

5.1. Number of internet-capable devices owned		Appalachian State University	MA public institutions	All US institutions
None		11	200	692
		1.3%	1.7%	1.6%
One		33	632	2284
		4.0%	5.2%	5.2%
Two		351	3777	13754
		42.4%	31.4%	31.6%
Three		262	4106	14703
		31.7%	34.1%	33.7%
Four		109	1894	6507
		13.2%	15.7%	14.9%
Five		24	590	2230
		2.9%	4.9%	5.1%
Six or more		37	840	3424
		4.5%	7.0%	7.9%
Total respondent count		827	12039	43594
(Percentages sum to 100%)		100.0%	100.0%	100.0%

5.2a. In-class experience: Smartphone		Appalachian State University	MA public institutions	All US institutions
N/A		30	856	3354
		3.7%	7.2%	7.8%
Banned from using it in class		233	2986	8704
		28.4%	25.0%	20.1%
Discouraged from using it in class		440	5158	18760
		53.6%	43.1%	43.3%
Neither discouraged nor encouraged		94	2335	10063
		11.4%	19.5%	23.3%
Encouraged to use it in class		23	523	2007
		2.8%	4.4%	4.6%
Required to use it in class		1	96	389
		0.1%	0.8%	0.9%

Total respondent count	821	11954	43277
(Percentages sum to 100%)	100.0%	100.0%	100.0%

5.2a. In-class experience: Tablet	Appalachian State University	MA public institutions	All US institutions
N/A	286	2969	11738
	34.9%	24.9%	27.2%
Banned from using it in class	57	826	2440
	7.0%	6.9%	5.6%
Discouraged from using it in class	166	2058	6224
	20.3%	17.2%	14.4%
Neither discouraged nor encouraged	258	4763	18054
	31.5%	39.9%	41.8%
Encouraged to use it in class	51	1185	4277
	6.2%	9.9%	9.9%
Required to use it in class	1	138	477
	0.1%	1.2%	1.1%
Total respondent count	819	11939	43210
(Percentages sum to 100%)	100.0%	100.0%	100.0%

5.2a. In-class experience: Laptop	Appalachian State University	MA public institutions	All US institutions
N/A	21	745	2950
	2.6%	6.2%	6.8%
Banned from using it in class	54	672	1997
	6.6%	5.6%	4.6%
Discouraged from using it in class	233	2346	7208
	28.3%	19.6%	16.6%
Neither discouraged nor encouraged	353	5662	20195
	42.9%	47.3%	46.6%
Encouraged to use it in class	156	2152	8836
	19.0%	18.0%	20.4%
Required to use it in class	6	384	2118
	0.7%	3.2%	4.9%
Total respondent count	823	11961	43304
(Percentages sum to 100%)	100.0%	100.0%	100.0%

5.2a. In-class experience: Wearable technologies	Appalachian State University	MA public institutions	All US institutions
N/A	549	7128	25910
	67.0%	59.7%	60.0%
Banned from using it in class	41	620	1965
	5.0%	5.2%	4.6%
Discouraged from using it in class	48	918	2976
	5.9%	7.7%	6.9%
Neither discouraged nor encouraged	172	2981	11254
	21.0%	25.0%	26.1%
Encouraged to use it in class	10	229	816
	1.2%	1.9%	1.9%
Required to use it in class	0	55	232
	0.0%	0.5%	0.5%
Total respondent count	820	11931	43153

(Percentages sum to 100%)	100.0%	100.0%	100.0%
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5.2b. In-class smartphone use	Appalachian State University	MA public institutions	All US institutions
Take notes	58	1200	4679
	7.2%	10.1%	10.9%
Engage in nonclass activities	365	4507	17582
	45.0%	38.1%	41.1%
Make other connections with the learning material	294	4292	15584
	36.3%	36.2%	36.4%
User for instructor-directed activities	117	2073	7285
	14.4%	17.5%	17.0%
Do not typically use in class	322	4710	16115
	39.7%	39.8%	37.7%
Total respondent count	811	11844	42794

5.2b. In-class tablet use	Appalachian State University	MA public institutions	All US institutions
Take notes	104	2064	7260
	13.3%	17.9%	17.5%
Engage in nonclass activities	67	1324	4620
	8.6%	11.5%	11.1%
Make other connections with the learning material	116	2638	9137
	14.8%	22.8%	22.0%
User for instructor-directed activities	76	1620	5304
	9.7%	14.0%	12.8%
Do not typically use in class	591	7297	26843
	75.6%	63.1%	64.7%
Total respondent count	782	11558	41498

5.2b. In-class laptop use	Appalachian State University	MA public institutions	All US institutions
Take notes	418	4921	19710
	50.8%	41.4%	45.8%
Engage in nonclass activities	273	2878	12467
	33.2%	24.2%	29.0%
Make other connections with the learning material	405	5119	20178
	49.2%	43.0%	46.9%
User for instructor-directed activities	330	4225	16244
	40.1%	35.5%	37.8%
Do not typically use in class	220	3786	12297
	26.7%	31.8%	28.6%
Total respondent count	823	11891	43016

5.3a. Physical or learning disability that requires accessible or adaptive technologies	Appalachian State University	MA public institutions	All US institutions
No.	792	11144	40299
	96.2%	92.7%	92.6%
Yes, I have one or more physical disabilities.	7	201	708
	0.9%	1.7%	1.6%
Yes, I have one or more learning disabilities.	11	284	1060
	1.3%	2.4%	2.4%

Yes, I have both physical and learning disabilities.	1	59	269
	0.1%	0.5%	0.6%
Prefer not to answer	12	330	1197
	1.5%	2.7%	2.7%
Total respondent count (Percentages sum to 100%)	823	12018	43533
	100.0%	100.0%	100.0%

5.3b. Institution support of needed accessible or adaptive technologies	Appalachian State University	MA public institutions	All US institutions
Not provided with needed technologies	1	40	161
	5.6%	8.0%	8.5%
Poor	1	51	223
	5.6%	10.2%	11.8%
Fair	3	104	314
	16.7%	20.9%	16.6%
Neutral	5	126	425
	27.8%	25.3%	22.4%
Good	7	107	431
	38.9%	21.5%	22.7%
Excellent	0	63	280
	0.0%	12.7%	14.8%
Don't know	1	7	61
	5.6%	1.4%	3.2%
Total respondent count (Percentages sum to 100%)	18	498	1895
	100.0%	100.0%	100.0%

For the next set of questions, respondents were asked to rate themselves on a scale of 0–100.

6.1a. Disposition towards IT		Appalachian State University	MA public institutions	All US institutions
Reluctant vs. Enthusiast	Mean	57.6	61.0	62.0
	SD	25.3	26.1	26.7
	N	757	10496	38185
Late adopter vs. Early adopter	Mean	52.7	56.2	56.7
	SD	25.6	26.1	26.4
	N	750	10415	37816
Technophobe vs. Technophile	Mean	55.4	58.0	58.9
	SD	24.4	25.2	25.8
	N	718	9853	36023
Skeptic vs. Cheerleader	Mean	53.8	55.0	55.4
	SD	21.6	22.8	23.2
	N	724	9975	36360
By-the-book vs. Experimenter	Mean	51.4	54.5	55.0
	SD	24.0	25.0	25.0
	N	734	10228	37170
Critic vs. Supporter	Mean	54.3	56.2	56.6
	SD	23.0	24.2	24.4
	N	728	10030	36559
Conservative vs. Radical	Mean	51.5	52.5	52.4
	SD	19.8	21.9	21.8
	N	676	9442	34308

6.1b. Attitude towards IT		Appalachian State University	MA public institutions	All US institutions
Dissatisfied vs. Satisfied	Mean	56.5	59.4	60.0
	SD	22.5	23.5	23.8
	N	754	10492	38112
Discontent vs. Content	Mean	56.6	59.1	59.5
	SD	22.1	23.3	23.4
	N	744	10322	37525
Perturbed vs. Pleased	Mean	55.9	59.1	59.4
	SD	22.1	23.0	23.3
	N	738	10205	37036
Burdensome vs. Beneficial	Mean	59.5	61.6	62.0
	SD	25.6	26.6	26.8
	N	741	10319	37507
Useless vs. Useful	Mean	62.7	65.1	65.7
	SD	27.6	27.7	28.0
	N	746	10349	37641
Distraction vs. Enhancement	Mean	55.1	57.4	57.6
	SD	23.6	25.4	25.6
	N	718	10020	36497

6.1c. Usage of IT		Appalachian State University	MA public institutions	All US institutions
Never connected vs. Always connected	Mean	60.9	64.2	64.9
	SD	26.6	28.3	28.3
	N	746	10583	38525
Peripheral vs. Central	Mean	55.0	58.3	59.0
	SD	20.2	22.4	22.7
	N	710	9747	35634
Old media vs. New media	Mean	58.2	61.1	61.4
	SD	22.2	23.8	24.1
	N	727	10085	36700
Infrequent vs. Frequent	Mean	63.1	65.5	66.2
	SD	27.1	27.8	28.0
	N	727	10228	37345

6.2. Gender		Appalachian State University	MA public institutions	All US institutions
Male		277	4096	15642
		33.4%	34.0%	35.8%
Female		532	7758	27190
		64.2%	64.4%	62.3%
Other		9	63	221
		1.1%	0.5%	0.5%
Prefer not to answer		11	135	590
		1.3%	1.1%	1.4%
Total respondent count (Percentages sum to 100%)		829	12052	43643
		100.0%	100.0%	100.0%

6.3. Academic goal		Appalachian State University	MA public institutions	All US institutions
Digital badges that certify my skills		105	1372	5264

	12.8%	11.5%	12.2%
A vocational/occupational certificate	70	894	3902
	8.5%	7.5%	9.0%
An associate's degree	77	1251	8319
	9.4%	10.5%	19.2%
A bachelor's degree	719	9933	34153
	87.7%	83.1%	78.9%
A master's degree	357	4906	16812
	43.5%	41.0%	38.8%
A doctoral degree	103	1640	6293
	12.6%	13.7%	14.5%
Another professional degree	64	856	4379
	7.8%	7.2%	10.1%
Other, please describe	13	206	794
	1.6%	1.7%	1.8%
N/A	15	437	1391
	1.8%	3.7%	3.2%
Total respondent count	820	11954	43294

6.4. Major	Appalachian State University	MA public institutions	All US institutions
Agriculture and natural resources	10	218	710
	1.2%	1.8%	1.6%
Biological/life sciences	52	972	3852
	6.3%	8.1%	8.8%
Business, management, marketing	112	1729	6099
	13.5%	14.4%	14.0%
Communications/journalism	56	557	1821
	6.7%	4.6%	4.2%
Computer and information sciences	56	623	2922
	6.7%	5.2%	6.7%
Education, including physical education	82	1390	3058
	9.9%	11.5%	7.0%
Engineering and architecture	14	606	3911
	1.7%	5.0%	9.0%
Fine and performing arts	51	384	1560
	6.1%	3.2%	3.6%
Health sciences, including professional programs	120	1637	6574
	14.5%	13.6%	15.1%
Humanities	26	399	1247
	3.1%	3.3%	2.9%
Liberal arts/general studies	17	331	1509
	2.0%	2.7%	3.5%
Manufacturing, construction, repair, or transportation	5	48	180
	0.6%	0.4%	0.4%
Physical sciences, including mathematical sciences	32	345	1220
	3.9%	2.9%	2.8%
Public administration; legal, social, and protective services	19	282	903
	2.3%	2.3%	2.1%
Social sciences	82	1221	3568
	9.9%	10.1%	8.2%

Other major not described above	86	1097	3512
	10.4%	9.1%	8.1%
Undecided	10	207	976
	1.2%	1.7%	2.2%
Total respondent count (Percentages sum to 100%)	830	12046	43622
	100.0%	100.0%	100.0%

6.5. Part time or full time	Appalachian State University	MA public institutions	All US institutions
Part time	27	1299	7639
	3.3%	10.8%	17.6%
Full time	803	10710	35863
	96.7%	89.2%	82.4%
Total respondent count (Percentages sum to 100%)	830	12009	43502
	100.0%	100.0%	100.0%

6.6. Ethnicity	Appalachian State University	MA public institutions	All US institutions
American Indian/Native American/Alaskan native	16	285	1102
	1.9%	2.4%	2.5%
Asian/Pacific Islander	33	1073	5326
	4.0%	8.9%	12.2%
Black/African American	22	809	3309
	2.7%	6.7%	7.6%
Hispanic/Latino	44	2793	7517
	5.3%	23.2%	17.2%
White	730	7415	27396
	88.2%	61.5%	62.7%
Other	12	272	1122
	1.4%	2.3%	2.6%
Prefer not to answer	29	492	1980
	3.5%	4.1%	4.5%
Total respondent count	828	12059	43684

6.7. On/off campus	Appalachian State University	MA public institutions	All US institutions
On campus	415	3752	13148
	50.7%	31.3%	30.3%
Off campus	404	8249	30315
	49.3%	68.7%	69.7%
Total respondent count (Percentages sum to 100%)	819	12001	43463
	100.0%	100.0%	100.0%

6.8. First person in immediate family to attend college	Appalachian State University	MA public institutions	All US institutions
No	649	8104	31463
	78.4%	67.2%	72.1%
Yes	165	3729	11347
	19.9%	30.9%	26.0%
Prefer not to answer	14	224	823
	1.7%	1.9%	1.9%
Total respondent count (Percentages sum to 100%)	828	12057	43633

	100.0%	100.0%	100.0%
6.9. Received free or reduced lunches in high school	Appalachian State University	MA public institutions	All US institutions
No	688 83.1%	7729 64.1%	30534 70.0%
Yes	114 13.8%	3924 32.6%	11538 26.4%
Prefer not to answer	26 3.1%	399 3.3%	1552 3.6%
Total respondent count (Percentages sum to 100%)	828 100.0%	12052 100.0%	43624 100.0%