REPORT ON PIUS XII MEMORIAL LIBRARY USE SURVEY

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PURPOSE OF STUDY

Librarians and library staff have long believed that library usage influences student success, so the Pius/Medical Center Libraries Assessment Committee set out to determine if we could correlate student use of Pius Library with their GPAs. From January 15, 2018 to December 17, 2018, users who swiped their ID cards into the library between 9:00 p.m. and 7:30 a.m. were studied anonymously. Evening hours were selected because 9:00 p.m.-7:30 a.m.is the only time period when both entrances require a card swipe for access to the library. Public Safety coordinates the touch pads on campus and provided us with the data on students who swiped into the library at night. Patrick Kelly, Senior Research Analyst from the Office of Institutional Research, helped immensely with this project and was able to link the ID information with Registrar's data on GPA to see if students using the library during the evening hours had higher GPAs. His analysis found no correlation between nighttime library users and better term GPAs. He suggested that we construct a survey to focus on students' perceptions of how they were using the library. The Assessment Committee agreed to develop a survey with Qualtrics using broad questions about reasons for using the library. Jonathan Harms and Patrick Kelly set up the survey on February 28, and a distribution list was requested from Registrar Jay Haugen. The survey was sent to all full-time and part-time undergraduate and graduate students asking how they used the library in six 4-hour time periods throughout the day during a typical week. We distributed the survey on March 19 with a two-week time period for completion. When the survey closed on April 2, ten students who had completed the survey were randomly selected as recipients of ten $20 Billiken Bucks incentive prizes. Of the 10,914 students who received surveys, 1,827 responded to the survey, a response rate of 17%.

Patrick Kelly analyzed the data, and the Assessment Committee completed this report on the project. Patrick Kelly's data and the survey questions are found in the Appendices.

FINDINGS

When do students use Pius Library, and how often?

Survey responses suggest students predominantly use the library between noon and midnight, with strong usage also in the morning hours. Library usage between midnight and the morning hours is distinctly lesser, but by no means insignificant.

LIBRARY SURVEY USAGE RESPONSES

NUMBERS HERE REPRESENT HOW MANY RESPONDENTS USE THE LIBRARY AT THE FREQUENCY LISTED BY COLUMN DURING THE TIME SLOTS INDICATED BY ROW

	1 time/week	2 times/week	3-4 times/week	5+ times/week	ESTIMATED TOTAL WEEKLY VISITS	PERCENT TOTAL WEEKLY VISITS
8am - 12p	483	326	234	75	2,329	17.5%
12pm - 4pm	448	349	335	140	3,019	22.7%
4pm - 8pm	374	309	392	214	3,434	25.8%
8pm - 12am	324	270	321	179	2,883	21.7%
12am - 4am	318	134	120	32	1,166	8.8%
4am - 8am	177	64	34	9	469	3.5%
TOTAL					13,299	100.0%

*CALCULATION METHOD FOR ESTIMATED TOTAL WEEKLY VISITS: SUM(D4,(G4)*2,(J4)*3.5,(M4)*5)
(number of 1 time/week responses * 1) + (2 times/week responses * 2) + (3-4 times/week responses * 3.5) + (5+ times/week responses * 5)

How are students using the library during various time periods?

Survey responses show the overwhelming reasons for student use of the library are studying, using a study room, and using other study spaces. Use of computing, printing, and copying resources are also significant, followed closely by access to the café. These relative usages are consistent across all time periods.
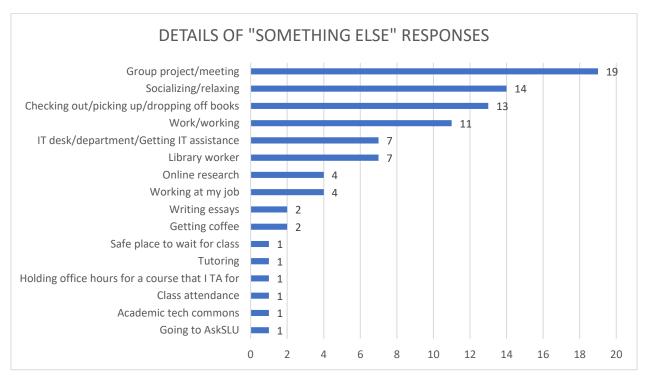
REASONS FOR STUDENT LIBRARY USE BY TIME PERIOD

	MIDNIGHT - 4AM	4AM - 8AM	8AM - NOON	NOON - 4PM	4PM - 8PM	8PM - MIDNIGHT
STUDYING/STUDY ROOMS/STUDY SPACE	59.8%	50.4%	52.7%	52.6%	52.6%	53.1%
USING COMPUTER/PRINTER/COPIER/OTHER TECHNOLOGY	20.2%	26.3%	24.4%	24.3%	24.1%	24.7%
USING CAFÉ FOR EATING OR MEETING	15.3%	15.3%	17.2%	17.7%	17.7%	16.7%
USING LIBRARY RESOURCES OR CONSULTING LIBRARIAN	3.3%	5.2%	3.8%	3.6%	3.6%	3.8%
PROGRAMS, LECTURES, OR EXHIBITS	0.6%	1.7%	0.9%	0.7%	0.8%	0.7%
OTHER	0.8%	0.4%	1.2%	1.4%	1.8%	1.3%

*PERCENTAGES ARE OF TOTAL RESPONDENTS SELECTING CHOICES WITHIN THESE CATEGORIES; MULTIPLE SELECTIONS WERE ALLOWED

"Something else" responses

Approximately 5% of the responses (89/1827) were outside any of the predefined categories. The most frequent "Something else" response (19 responses) concerned group gatherings to study together or work on a project of some type. This is interesting in that none of our pre-set responses distinguished individual from group activity; in theory, at least, the response "studying" could have covered such activities, but it was not interpreted that way by those giving this response. It may have been helpful to have included a "group" answer to get a better idea of this type of usage, and any future similar survey should probably include such a category among the answers.

The next most-frequent responses were "socializing/relaxing" (14) and "checking out/picking up/dropping off books" (13).

DETAILS OF "SOMETHING ELSE" RESPONSES

Category	Value
Group project/meeting	19
Socializing/relaxing	14
Checking out/picking up/dropping off books	13
Work/working	11
IT desk/department/Getting IT assistance	7
Library worker	7
Online research	4
Working at my job	4
Writing essays	2
Getting coffee	2
Safe place to wait for class	1
Tutoring	1
Holding office hours for a course that I TA for	1
Class attendance	1
Academic tech commons	1
Going to AskSLU	1

Some of the answers are vague and difficult to interpret. While some respondents indicated clearly that they come to the library to work (remotely) at a job (4), others simply indicated "work/working" (11) without indicating what they are "working" on or at.

Several of the responses are clearly (one would think) covered by one of the pre-set responses: online research and getting coffee would seem to fall into that category.

Also, several of the responses specified IT assistance whereas the closest pre-set response in the survey was "getting help from a librarian." It thus appears that these respondents do not associate IT help with the role of "librarian."

Finally, some of the responses could possibly be combined with others if we knew more about exactly what is meant (e.g., does "going to AskSLU" mean asking for IT help or reference assistance? Does "Academic tech commons" mean IT help, using technology [already covered in the pre-set answers], group/individual study, etc.?)

Respondents who never use the library

Approximately 12.2% of survey respondents (222/1827) indicated that they are never in the library during any of the six specified time periods, i.e. never in the library, period. Conversely, just under 88% of respondents are in the library at least once a week. Without drawing any firm conclusions about library building usage by the entire student body, it is at least encouraging that the proportion of respondents never in the library is so small, especially given the fact that some of that number of non-entrants may have been biased upward by the incentive given to complete the survey.

What colleges/schools are respondents in?

A total of 10,914 surveys were sent, and distribution among the various colleges and schools, of which fourteen were distinguished in the survey, was representative of their populations. The College of Arts & Sciences, for example, received the most surveys, with 2,488, followed by the Doisy College of Health Sciences (1,647), the Chaifetz School of Business (1,263), the College of Public Health & Social Justice (1,000), and the School of Nursing (993).

The percentage of responses received from each college/school was also representative of their populations. Arts & Sciences accounted for 29.5% of all responses. This was followed by Doisy (20.2%), Public Health & Social Justice (11.0%), Chaifetz School of Business (10.0%) and the School of Nursing (9.3%). The other nine colleges/schools that received surveys, and also responded to the survey, included the Center for Advanced Dental Education, Inter-University, School of Education, School of Law, School of Medicine, Parks College, the College of Philosophy & Letters, the School for Professional Studies, and Academic Affairs.

Overall, response rates from the various colleges and schools showed no trends or biases and were generally representative of their relative student populations. There was no significant difference in GPA (when sorted by colleges/schools) between students who received the survey and those who responded to the survey. Detailed data for sent surveys and responses by College is available in Appendix B.

Which majors turned up most frequently in responses and in library use?

Among 1,827 responses received, 171 majors were represented.

In addition to the majors primarily based on the north campus where Pius Library is located, we found students in many majors offered by the School of Medicine, School of Nursing, Doisy College for Health Sciences, and College for Public Health & Social Justice on the medical campus (south campus) also physically use Pius library. It was noted that undergraduate students tended to use Pius Library in addition to MCL. Overall, the majors with the highest percentage of respondents were Nursing (170 / 1,813 = 9.3%), Exercise Science (6.2%), Biology (5.9%), Public Health (4.3%), Neuroscience (3.4%), Medicine (3.3%), Psychology (3.3%), Health Sciences (3.2%), and Occupational Sciences (3.1%). Nineteen other majors each made up between 1.0% and 3.0% of the total respondents. All other majors each accounted for less than 1% of respondents. Overall, the distribution of majors among respondents seems to be reflective of campus population and interests, at least among the top majors. Again, there was no significant difference in GPA (when sorted by major) between students who received the survey and those who responded to the survey.

Although the available data did not provide details of specific library uses between respondents in different majors, data indicated that the top reasons for library use (studying, using study space, printing, and scanning or copying) remained consistent, regardless of the time of day the library was being used. It could be inferred that these reasons would remain consistent among majors as well. However, for future analysis, looking at

variations among majors for the reason "using information resources (books, databases, reserves)" could be useful in determining the level of information needs among majors, although this reason was also consistently ranked (either eighth or ninth in the list) among all time periods.

Gender of respondents

Of the 10,914 surveys sent, approximately 60% were sent to female students and 40% to male students (see p. 27 of Appendix B). Out of the female students who received surveys, just under 20% responded (1316 of 6581), while slightly more than 11% of the male students who received surveys responded (500 of 4411). Thus, both the number and the percentage of responses from female students was significantly higher; more than 72% of the total responses came from female students, compared to only 28% from male students.

Conclusions

- We found no significant difference in GPA between students who received the survey and those who responded.
- Many Medical campus and Law students use Pius Library.
- Just as we cannot assert that library use improves student performance, we also cannot conclude that library use has no impact because we have no way of comparing the GPA of those students who use the library with the GPA they would have achieved if they had not used the library.

Recommendations

- Clarify pre-set responses for future surveys and leave space for comments.
- Given the importance of attracting and retaining international students at SLU, including demographics for international students on future surveys might help identify needs to be addressed and opportunities to support this segment of the student population.
- We need to continue to survey students about library use and needs.

APPENDIX A: QUALTRICS SURVEY QUESTIONS

Qualtrics Survey Software

SAINT LOUIS UNIVERSITY™

PIUS LIBRARY USE SURVEY

Intro block

The goal of this survey is to learn how SLU students use Pius Library at different times of the day. Your answers will help us improve our services.

Filling out the survey should take less than five minutes of your time. Your name and identity are confidential. All responses are also confidential and will only be reported on an aggregate basis.

Reminder: When answering, please refer only to your use of **Pius Library**, not the Medical Center Library or Law Library. Thank you!

Midn-4a block

In a typical week, how often are you in Pius Library **between midnight and 4 a.m.**?

[▼]

If you're at Pius Library **between midnight and 4 a.m.**, what are you usually doing? (Select all that apply.)

☐ Studying
☐ Using a library computer
☐ Printing, scanning or copying
☐ Using other technology (3D printer, laser cutter, robot)
☐ Using a study room
☐ Using other study spaces around the building
☐ Using information resources (books, databases, reserves)
☐ Getting help from a librarian
☐ Attending a program or lecture
☐ Looking at an exhibit
☐ Getting something to eat or drink at the cafe
☐ Using the cafe as a meeting place
☐ Something else

Please describe "something else" *(optional)*:

[   ]

1/5

4a-8a block

In a typical week, how often are you in Pius Library **between 4 a.m. and 8 a.m.**?

[▾]

If you're at Pius Library between 4 a.m. and 8 a.m., what are you usually doing? (Select all that apply.)

☐ Studying
☐ Using a library computer
☐ Printing, scanning or copying
☐ Using other technology (3D printer, laser cutter, robot)
☐ Using a study room
☐ Using other study spaces around the building
☐ Using information resources (books, databases, reserves)
☐ Getting help from a librarian
☐ Attending a program or lecture
☐ Looking at an exhibit
☐ Getting something to eat or drink at the cafe
☐ Using the cafe as a meeting place
☐ Something else

Please describe "something else" *(optional)*:

[   ]

8a-noon block

In a typical week, how often are you in Pius Library **between 8 a.m. and noon**?

[▾]

If you're at Pius Library **between 8 a.m. and noon**, what are you usually doing? (Select all that apply.)

☐ Studying
☐ Using a library computer
☐ Printing, scanning or copying
☐ Using other technology (3D printer, laser cutter, robot)

- ☐ Using a study room
- ☐ Using other study spaces around the building
- ☐ Using information resources (books, databases, reserves)
- ☐ Getting help from a librarian
- ☐ Attending a program or lecture
- ☐ Looking at an exhibit
- ☐ Getting something to eat or drink at the cafe
- ☐ Using the cafe as a meeting place
- ☐ Something else

Please describe "something else" *(optional)*:

[text box]

noon-4p block

In a typical week, how often are you in Pius Library **between noon and 4 p.m.**?

[dropdown ▾]

If you're at Pius Library **between noon and 4 p.m.**, what are you usually doing? (Select all that apply.)

- ☐ Studying
- ☐ Using a library computer
- ☐ Printing, scanning or copying
- ☐ Using other technology (3D printer, laser cutter, robot)
- ☐ Using a study room
- ☐ Using other study spaces around the building
- ☐ Using information resources (books, databases, reserves)
- ☐ Getting help from a librarian
- ☐ Attending a program or lecture
- ☐ Looking at an exhibit
- ☐ Getting something to eat or drink at the cafe
- ☐ Using the cafe as a meeting place
- ☐ Something else

Please describe "something else" *(optional)*:

[text box]

3/5

4p-8p block

In a typical week, how often are you in Pius Library **between 4 p.m. and 8 p.m.**?

[▼]

If you're at Pius Library **between 4 p.m. and 8 p.m.**, what are you usually doing? (Select all that apply.)

☐ Studying
☐ Using a library computer
☐ Printing, scanning or copying
☐ Using other technology (3D printer, laser cutter, robot)
☐ Using a study room
☐ Using other study spaces around the building
☐ Using information resources (books, databases, reserves)
☐ Getting help from a librarian
☐ Attending a program or lecture
☐ Looking at an exhibit
☐ Getting something to eat or drink at the cafe
☐ Using the cafe as a meeting place
☐ Something else

Please describe "something else" *(optional)*:

[   ]

8p-midn. block

In a typical week, how often are you in Pius Library **between 8 p.m. and midnight?**

[▼]

If you're at Pius Library **between 8 p.m. and midnight**, what are you usually doing? (Select all that apply.)

☐ Studying
☐ Using a library computer
☐ Printing, scanning or copying
☐ Using other technology (3D printer, laser cutter, robot)
☐ Using a study room

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- ☐ Using other study spaces around the building
- ☐ Using information resources (books, databases, reserves)
- ☐ Getting help from a librarian
- ☐ Attending a program or lecture
- ☐ Looking at an exhibit
- ☐ Getting something to eat or drink at the cafe
- ☐ Using the cafe as a meeting place
- ☐ Something else

Please describe "something else" *(optional)*:

Reasons block

Of all the reasons you use Pius Library, which do you do most often?
(Select as many as you like.)

- ☐ Studying
- ☐ Using a library computer
- ☐ Printing, scanning or copying
- ☐ Using other technology (3D printer, laser cutter, robot)
- ☐ Using a study room
- ☐ Using other study spaces around the building
- ☐ Using information resources (books, databases, reserves)

- ☐ Getting help from a librarian
- ☐ Attending a program or lecture
- ☐ Looking at an exhibit
- ☐ Getting something to eat or drink at the cafe
- ☐ Using the cafe as a meeting place
- ☐ Something else

Block 3

To finish the survey, click or tap the Submit button.

To review or change your answers, click or tap the ← button.

Powered by Qualtrics

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APPENDIX B: SURVEY RESPONSES

*In a typical week, how often are you in Pius Library between **midnight and 4 a.m.?***

Q2_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	119	19.83	119	19.83
5 or more times a week	32	5.33	151	25.17
Once a week	315	52.50	466	77.67
Twice a week	134	22.33	600	100.00

*In a typical week, how often are you in Pius Library between **4 a.m. and 8 a.m.?***

Q3_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	34	12.01	34	12.01
5 or more times a week	9	3.18	43	15.19
Once a week	176	62.19	219	77.39
Twice a week	64	22.61	283	100.00

*In a typical week, how often are you in Pius Library between **8 a.m. and noon?***

Q4_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	234	20.97	234	20.97
5 or more times a week	74	6.63	308	27.60
Once a week	483	43.28	791	70.88
Twice a week	325	29.12	1116	100.00

*In a typical week, how often are you in Pius Library between **noon and 4 p.m.?***

Q5_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	334	26.30	334	26.30
5 or more times a week	139	10.94	473	37.24
Once a week	448	35.28	921	72.52
Twice a week	349	27.48	1270	100.00

*In a typical week, how often are you in Pius Library between **4 p.m. and 8 p.m.?***

Q6_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	391	30.38	391	30.38
5 or more times a week	213	16.55	604	46.93
Once a week	374	29.06	978	75.99
Twice a week	309	24.01	1287	100.00

*In a typical week, how often are you in Pius Library between **8 p.m. and midnight?***

Q7_1	Frequency	Percent	Cum. Freq.	Cum. Pct.
3-4 times a week	321	29.37	321	29.37
5 or more times a week	178	16.29	499	45.65
Once a week	324	29.64	823	75.30
Twice a week	270	24.70	1093	100.00

Average age and cumulative GPA of population to whom the survey was sent

Variable	Label	N	Mean	Std Dev	Minimum	Median	Maximum
SWRCENS_AGE	Age	10996	24.7	7.7	15.0	22.0	71.0
SWRCENS_CUM_GPA	Cum. GPA	10031	3.4	0.5	0.0	3.6	4.0

Average age and cumulative GPA of population to whom the survey was sent

Variable	Label	N	Mean	Std Dev	Minimum	Median	Maximum
SWRCENS_AGE	Age	1817	22.3	6.1	15.0	22.0	65.0
SWRCENS_CUM_GPA	Cum. GPA	1748	3.5	0.5	0.1	3.7	4.0

Comparison of the distribution of sent surveys to the responses received by College

Colleges/Schools/Centers	Number sent	PCT sent	Number rcv'd	PCT rcv'd	PCT diff.
Doisy College Health Sciences	1647	15.0%	367	20.2%	5.2%
College of Arts & Sciences	2488	22.6%	536	29.5%	6.8%
Chaifetz School of Business	1263	11.5%	182	10.0%	1.5%
Center for Advanced Dental Ed	51	0.5%	1	0.1%	0.4%
Inter-University	13	0.1%	1	0.1%	0.1%
School of Education	435	4.0%	59	3.2%	0.7%
School of Law	507	4.6%	31	1.7%	2.9%
School of Medicine	927	8.4%	66	3.6%	4.8%
School of Nursing	993	9.0%	170	9.3%	0.3%
Public Health & Social Justice	1000	9.1%	200	11.0%	1.9%
Parks College of Eng, Av & Tch	853	7.8%	149	8.2%	0.4%
Coll. of Philosophy & Letters	57	0.5%	4	0.2%	0.3%
School for Professional Studies	556	5.1%	43	2.4%	2.7%
Academic Affairs	173	1.6%	8	0.4%	1.1%
	10963	99.7%	1817	99.8%	0.1%

Comparison of the distribution of the age of those sent surveys to the average age of those who responded by College

Colleges/Schools/Centers	Number sent	Pop. Avg. Age	Number rcv'd	Resp. Avg. Age	Deviation
Doisy College Health Sciences	1647	21.3	367	20.3	-1.04
College of Arts & Sciences	2488	22.6	536	21.5	-1.11
Chaifetz School of Business	1263	22.9	182	21.8	-1.10
Center for Advanced Dental Ed	51	29.4	1	34.0	4.57
Inter-University	13	30.2	1	26.0	-4.15
School of Education	435	33.1	59	29.5	-3.58
School of Law	507	26.7	31	25.6	-1.03
School of Medicine	927	25.6	66	24.2	-1.43
School of Nursing	993	26.5	170	21.7	-4.80
Public Health & Social Justice	1000	25.4	200	23.3	-2.04
Parks College of Eng, Av & Tch	853	22.3	149	20.9	-1.39
Coll. of Philosophy & Letters	57	24.1	4	24.0	-0.09
School for Professional Studies	556	37.4	43	37.7	0.36
Academic Affairs	173	22.2	8	28.9	6.63

**Comparison of the distribution of the average GPA of those sent surveys
to the average GPA of the respondents
by College**

Colleges/Schools/Centers	Number sent	Pop. Avg. GPA	Number rcv'd	Resp. Avg. GPA	Deviation
Doisy College Health Sciences	1647	3.5	367	3.6	0.08
College of Arts & Sciences	2488	3.4	536	3.5	0.12
Chaifetz School of Business	1263	3.3	182	3.5	0.18
Center for Advanced Dental Ed	51	3.6	1	3.7	0.05
Inter-University	13	3.6	1	.	.
School of Education	435	3.7	59	3.7	-0.03
School of Law	507	3.0	31	3.3	0.22
School of Medicine	927	3.8	66	3.8	0.03
School of Nursing	993	3.5	170	3.5	-0.03
Public Health & Social Justice	1000	3.5	200	3.5	-0.01
Parks College of Eng, Av & Tch	853	3.3	149	3.4	0.12
Coll. of Philosophy & Letters	57	3.6	4	3.6	-0.04
School for Professional Studies	556	3.3	43	3.3	0.02
Academic Affairs	173	3.0	8	3.8	0.72

**Comparison of the distribution of sent surveys to the responses received
by Career Level**

Career Level	Number sent	PCT sent	Number rcv'd	PCT rcv'd	PCT diff.
Post-Baccalaureate / Graduate	3041	27.7%	330	18.1%	9.5%
Professional Law	507	4.6%	31	1.7%	2.9%
Professional Medicine	831	7.6%	60	3.3%	4.3%
Undergraduate	6616	60.2%	1396	76.7%	16.5%
	10995	100.0%	1817	99.8%	0.2%

**Comparison of the distribution of the age of those sent surveys
to the average age of those who responded
by Career Level**

Career Level	Number sent	Pop. Avg. Age	Number rcv'd	Resp. Avg. Age	Deviation
Post-Baccalaureate / Graduate	3041	30.4	330	29.7	-0.72
Professional Law	507	26.7	31	25.6	-1.03
Professional Medicine	831	25.2	60	24.1	-1.15
Undergraduate	6616	21.9	1396	20.4	-1.44

**Comparison of the distribution of the average GPA of those sent surveys
to the average GPA of the respondents
by Career Level**

Career Level	Number sent	Pop. Avg. GPA	Number rcv'd	Resp. Avg. GPA	Deviation
Post-Baccalaureate / Graduate	3041	3.7	330	3.7	0.05
Professional Law	507	3.0	31	3.3	0.22
Professional Medicine	831	3.9	60	3.9	0.01
Undergraduate	6616	3.3	1396	3.5	0.15

Comparison of the distribution of sent surveys to the responses received by Major

Major	Number sent	PCT sent	Number rcv'd	PCT rcv'd	PCT diff.
No Major Associated	192	1.7%	3	0.2%	1.6%
Applied Analytics	49	0.4%	3	0.2%	0.3%
Accounting	155	1.4%	32	1.8%	0.3%
Aerospace Engineering	117	1.1%	23	1.3%	0.2%
Aeronautics	161	1.5%	15	0.8%	0.6%
Analytics & Enterprise Systems	22	0.2%	3	0.2%	0.0%
Applied Financial Economics	37	0.3%	4	0.2%	0.1%
Anatomy	9	0.1%	1	0.1%	0.0%
Anthropology	20	0.2%	5	0.3%	0.1%
American Studies	21	0.2%	9	0.5%	0.3%
Art History	8	0.1%	2	0.1%	0.0%
Studio Art	18	0.2%	2	0.1%	0.1%
Aviation	23	0.2%	1	0.1%	0.2%
Business Administration	171	1.6%	19	1.0%	0.5%
Biochemistry/Molecular Biology	9	0.1%	1	0.1%	0.0%
Biochemistry	83	0.8%	18	1.0%	0.2%
Bioinformatics & Comp Biol	14	0.1%	2	0.1%	0.0%
Biology	413	3.8%	108	5.9%	2.2%
Biomedical Engineering	186	1.7%	47	2.6%	0.9%
Biosecurity & Disaster Preparedness	6	0.1%	1	0.1%	0.0%
Biostatistics	15	0.1%	6	0.3%	0.2%
Criminology & Criminal Justice	81	0.7%	10	0.5%	0.2%
Computer Engineering	37	0.3%	10	0.5%	0.2%
Chemistry	89	0.8%	21	1.2%	0.3%
Hospitality Management	1	0.0%	1	0.1%	0.0%
Computer Information Systems	88	0.8%	6	0.3%	0.5%
Communication	150	1.4%	18	1.0%	0.4%
Computer Science	114	1.0%	18	1.0%	0.0%
Comm Sciences & Disorders	148	1.3%	28	1.5%	0.2%
Civil Engineering	70	0.6%	14	0.8%	0.1%
Cybersecurity	6	0.1%	2	0.1%	0.1%
Dentistry	51	0.5%	1	0.1%	0.4%
Nutrition & Dietetics	123	1.1%	27	1.5%	0.4%
Economics	99	0.9%	14	0.8%	0.1%
Educational Foundations	5	0.0%	1	0.1%	0.0%
Higher Education Admin	56	0.5%	9	0.5%	0.0%
Curriculum & Instruction	38	0.3%	5	0.3%	0.1%
Educational Leadership	166	1.5%	8	0.4%	1.1%
Special Education	22	0.2%	2	0.1%	0.1%
Education	108	1.0%	28	1.5%	0.6%
Electrical Engineering	32	0.3%	7	0.4%	0.1%
Emergency Management	12	0.1%	2	0.1%	0.0%
Engineering	98	0.9%	7	0.4%	0.5%
English	102	0.9%	19	1.0%	0.1%
Entrepreneurship	59	0.5%	9	0.5%	0.0%
Engineering Physics	9	0.1%	1	0.1%	0.0%
Exercise Science	427	3.9%	113	6.2%	2.3%
Environmental Science	34	0.3%	9	0.5%	0.2%
Environmental Studies	9	0.1%	3	0.2%	0.1%
Finance	163	1.5%	21	1.2%	0.3%
French	13	0.1%	2	0.1%	0.0%
Forensic Science	33	0.3%	17	0.9%	0.6%
Geophysics	2	0.0%	1	0.1%	0.0%
Geoscience	14	0.1%	3	0.2%	0.0%
German Studies	2	0.0%	2	0.1%	0.1%
Geographic Information Science	12	0.1%	1	0.1%	0.1%
Greek & Latin Lang & Lit	4	0.0%	1	0.1%	0.0%
General Studies	62	0.6%	2	0.1%	0.5%
Health Administration	110	1.0%	12	0.7%	0.3%
Health Care Ethics	26	0.2%	3	0.2%	0.1%
Health Information Mgmt	25	0.2%	3	0.2%	0.1%
History	79	0.7%	17	0.9%	0.2%
Health Management	162	1.5%	42	2.3%	0.8%
Health Sciences	202	1.8%	59	3.2%	1.4%
Historical Theology	16	0.1%	6	0.3%	0.2%
Integrated & Applied Sciences	15	0.1%	1	0.1%	0.1%
International Bus-Marketing	8	0.1%	3	0.2%	0.1%
Investigative & Medical Sci	89	0.8%	32	1.8%	0.9%

**Comparison of the distribution of sent surveys to the responses received
by Major**

Major	Number sent	PCT sent	Number rcv'd	PCT rcv'd	PCT diff.
International Business	130	1.2%	16	0.9%	0.3%
Industrial-Organizational Psychology	18	0.2%	1	0.1%	0.1%
International Studies	18	0.2%	4	0.2%	0.1%
Information Technology Mgmt	37	0.3%	3	0.2%	0.2%
Law	505	4.6%	31	1.7%	2.9%
Leadership & HR Management	44	0.4%	11	0.6%	0.2%
Leadership & Organizational De	52	0.5%	5	0.3%	0.2%
Medical Anatomy & Physiology	8	0.1%	2	0.1%	0.0%
Medicine	716	6.5%	60	3.3%	3.2%
Medieval Studies	1	0.0%	1	0.1%	0.0%
Mechanical Engineering	104	0.9%	20	1.1%	0.2%
Meteorology	24	0.2%	5	0.3%	0.1%
Marketing	165	1.5%	28	1.5%	0.0%
Medical Laboratory Science	30	0.3%	6	0.3%	0.1%
Magnetic Resonance Imaging	17	0.2%	7	0.4%	0.2%
Music	10	0.1%	3	0.2%	0.1%
Neuroscience	218	2.0%	62	3.4%	1.4%
Nuclear Medicine Tech	28	0.3%	1	0.1%	0.2%
Nursing	933	8.5%	170	9.3%	0.9%
Occupational Sciences	183	1.7%	57	3.1%	1.5%
Occupational Therapy	57	0.5%	2	0.1%	0.4%
Org Leadership & Technology	27	0.2%	3	0.2%	0.1%
Organizational Studies	104	0.9%	9	0.5%	0.5%
Physician Assistant	86	0.8%	6	0.3%	0.5%
Public Administration	4	0.0%	1	0.1%	0.0%
Philosophy for Ministry	6	0.1%	2	0.1%	0.1%
Philosophy	99	0.9%	9	0.5%	0.4%
Public Health Studies	44	0.4%	5	0.3%	0.1%
Physics	20	0.2%	1	0.1%	0.1%
Project Management	41	0.4%	6	0.3%	0.0%
Political Science	125	1.1%	28	1.5%	0.4%
Public Policy Analysis	5	0.0%	1	0.1%	0.0%
Pharm & Physiological Science	16	0.1%	2	0.1%	0.0%
Experimental Psychology	23	0.2%	4	0.2%	0.0%
Public and Social Policy	18	0.2%	3	0.2%	0.0%
Political Sci & Public Affairs	5	0.0%	1	0.1%	0.0%
Psychology	229	2.1%	60	3.3%	1.2%
Clinical Psychology	38	0.3%	6	0.3%	0.0%
Physical Therapy	166	1.5%	20	1.1%	0.4%
Radiation Therapy	31	0.3%	5	0.3%	0.0%
Russian Studies	4	0.0%	1	0.1%	0.0%
Supply Chain Management	41	0.4%	7	0.4%	0.0%
Sociology	44	0.4%	13	0.7%	0.3%
Software Engineering	2	0.0%	1	0.1%	0.0%
Student Personnel Admin	24	0.2%	5	0.3%	0.1%
Spanish	20	0.2%	3	0.2%	0.0%
Sports Business	48	0.4%	1	0.1%	0.4%
Security & Strategic Intel	31	0.3%	1	0.1%	0.2%
Strategic Intelligence	8	0.1%	1	0.1%	0.0%
Social Work	291	2.6%	41	2.3%	0.4%
Teaching	14	0.1%	1	0.1%	0.1%
Theological Studies	24	0.2%	3	0.2%	0.1%
Theatre	18	0.2%	4	0.2%	0.1%
Deciding	137	1.2%	21	1.2%	0.1%
Still Deciding	101	0.9%	15	0.8%	0.1%
Undecided	33	0.3%	5	0.3%	0.0%
Urban Planning & Development	8	0.1%	1	0.1%	0.0%
Women's & Gender Studies	10	0.1%	3	0.2%	0.1%
Pathway: Applied Financial Eco	13	0.1%	1	0.1%	0.1%
Pathway: Business	40	0.4%	1	0.1%	0.3%
Pathway: Engineering	7	0.1%	1	0.1%	0.0%
Pathway: General	12	0.1%	1	0.1%	0.1%
Pathway: Nursing	2	0.0%	2	0.1%	0.1%
Pathway: Supply Chain Mgmt	8	0.1%	2	0.1%	0.0%
Community Studies	1	0.0%	1	0.1%	0.0%
Musical Theatre	1	0.0%	1	0.1%	0.0%
	10327	93.9%	1730	95.1%	1.1%

Comparison of the distribution of the age of those sent surveys
to the average age of those who responded
by Major

Major	Number sent	Pop. Avg. Age	Number rcv'd	Resp. Avg. Age	Deviation
No Major Associated	192	29.6	3	22.7	-6.96
Applied Analytics	49	33.3	3	28.0	-5.35
Accounting	155	21.5	32	21.2	-0.33
Aerospace Engineering	117	20.2	23	19.6	-0.58
Aeronautics	161	24.0	15	21.1	-2.98
Analytics & Enterprise Systems	22	21.4	3	20.0	-1.41
Applied Financial Economics	37	27.1	4	25.8	-1.30
Anatomy	9	25.6	1	23.0	-2.56
Anthropology	20	21.2	5	21.2	0.00
American Studies	21	27.8	9	25.6	-2.21
Art History	8	25.3	2	40.5	15.25
Studio Art	18	20.3	2	20.5	0.17
Aviation	23	45.3	1	60.0	14.74
Business Administration	171	31.2	19	29.3	-1.95
Biochemistry/Molecular Biology	9	27.6	1	26.0	-1.56
Biochemistry	83	19.9	18	19.3	-0.61
Bioinformatics & Comp Biol	14	27.1	2	29.5	2.36
Biology	413	20.9	108	20.5	-0.43
Biomedical Engineering	186	20.2	47	20.2	0.04
Biosecurity & Disaster Preparedness	6	35.8	1	25.0	-10.83
Biostatistics	15	20.1	6	19.8	-0.23
Criminology & Criminal Justice	75	21.4	10	19.8	-1.59
Computer Engineering	37	20.5	10	19.2	-1.31
Chemistry	89	23.6	21	22.1	-1.48
Hospitality Management	1	31.0	1	31.0	0.00
Computer Information Systems	88	36.1	6	36.7	0.59
Communication	150	21.5	18	20.2	-1.29
Computer Science	114	20.8	18	20.6	-0.23
Comm Sciences & Disorders	148	22.2	28	21.4	-0.81
Civil Engineering	70	21.2	14	20.6	-0.63
Cybersecurity	6	39.3	2	39.5	0.17
Dentistry	51	29.4	1	34.0	4.57
Nutrition & Dietetics	123	22.0	27	20.8	-1.25
Economics	99	20.4	14	20.6	0.13
Educational Foundations	5	33.6	1	30.0	-3.60
Higher Education Admin	56	39.3	9	39.9	0.60
Curriculum & Instruction	38	39.0	5	41.6	2.57
Educational Leadership	166	38.9	8	43.1	4.19
Special Education	22	34.2	2	38.5	4.27
Education	108	20.3	28	19.7	-0.66
Electrical Engineering	32	20.8	7	20.1	-0.61
Emergency Management	12	29.0	2	48.5	19.50
Engineering	98	25.9	7	29.0	3.09
English	33	28.6	3	31.3	2.70
English	69	20.6	16	19.7	-0.89
Entrepreneurship	59	20.3	9	20.2	-0.10
Engineering Physics	9	20.3	1	21.0	0.67
Exercise Science	427	19.9	113	19.8	-0.06
Environmental Science	34	20.8	9	20.7	-0.13
Environmental Studies	9	21.2	3	20.3	-0.89
Finance	163	20.5	21	20.5	-0.01
French	13	26.0	2	20.0	-6.00
Forensic Science	33	20.3	17	20.1	-0.19
Geophysics	2	26.0	1	31.0	5.00
Geoscience	14	26.4	3	29.7	3.24
German Studies	2	21.0	2	21.0	0.00
Geographic Information Science	12	35.3	1	32.0	-3.33
Greek & Latin Lang & Lit	4	21.3	1	19.0	-2.25
General Studies	62	39.2	2	44.0	4.82
Health Administration	110	28.5	12	30.6	2.07
Health Care Ethics	26	33.2	3	34.7	1.51
Health Information Mgmt	25	21.9	3	20.7	-1.21
History	79	26.8	17	27.2	0.41
Health Management	162	20.4	42	20.0	-0.41
Health Sciences	202	19.8	59	19.7	-0.17
Historical Theology	16	31.4	6	31.3	-0.04
Integrated & Applied Sciences	15	34.3	1	30.0	-4.33
International Bus-Marketing	8	32.1	3	29.0	-3.13
Investigative & Medical Sci	89	20.0	32	19.7	-0.28
International Business	130	23.9	16	21.7	-2.17
Industrial-Organizational Psychology	18	26.6	1	26.0	-0.56
International Studies	18	19.1	4	18.8	-0.31

Comparison of the distribution of the age of those sent surveys
to the average age of those who responded
by Major

Major	Number sent	Pop. Avg. Age	Number rcv'd	Resp. Avg. Age	Deviation
Information Technology Mgmt	37	21.2	3	21.0	-0.24
Law	505	26.7	31	25.6	-1.05
Leadership & HR Management	44	20.9	11	20.3	-0.64
Leadership & Organizational De	52	37.4	5	38.6	1.18
Medical Anatomy & Physiology	8	23.3	2	23.0	-0.25
Mathematics	51	23.6	7	21.1	-2.46
Medicine	716	24.8	60	24.1	-0.79
Medieval Studies	1	19.0	1	19.0	0.00
Mechanical Engineering	104	20.6	20	20.1	-0.56
Meteorology	24	24.3	5	20.8	-3.45
Marketing	165	20.7	28	20.1	-0.60
Medical Laboratory Science	30	22.9	6	20.8	-2.10
Magnetic Resonance Imaging	17	22.8	7	21.3	-1.48
Music	10	24.4	3	20.3	-4.07
Neuroscience	218	19.9	62	20.1	0.20
Nuclear Medicine Tech	28	21.8	1	20.0	-1.75
Nursing	933	25.8	170	21.7	-4.11
Occupational Sciences	183	20.2	57	19.8	-0.34
Occupational Therapy	57	23.6	2	22.0	-1.61
Org Leadership & Technology	27	38.6	3	39.7	1.07
Organizational Studies	104	40.3	9	40.2	-0.08
Physician Assistant	86	26.8	6	24.8	-2.00
Public Administration	4	36.3	1	54.0	17.75
Philosophy for Ministry	6	30.2	2	29.0	-1.17
Philosophy	61	25.8	7	21.9	-3.90
Philosophy	38	22.4	2	19.0	-3.37
Public Health Studies	44	33.8	5	35.4	1.60
Physics	20	21.2	1	33.0	11.85
Project Management	41	38.5	6	40.5	1.96
Political Science	125	20.1	28	19.8	-0.25
Public Policy Analysis	5	42.8	1	43.0	0.20
Pharm & Physiological Science	16	28.6	2	28.0	-0.63
Experimental Psychology	23	26.7	4	26.0	-0.70
Public and Social Policy	18	38.7	3	37.0	-1.72
Political Sci & Public Affairs	5	22.8	1	21.0	-1.80
Psychology	130	20.4	31	20.1	-0.34
Psychology	99	20.4	29	19.9	-0.46
Clinical Psychology	38	27.2	6	25.3	-1.88
Physical Therapy	166	23.0	20	22.7	-0.29
Public Health	259	24.2	78	21.7	-2.45
Radiation Therapy	31	21.8	5	21.2	-0.61
Russian Studies	4	20.8	1	20.0	-0.75
Supply Chain Management	41	27.0	7	23.3	-3.67
Sociology	44	20.7	13	20.0	-0.73
Software Engineering	2	26.5	1	30.0	3.50
Student Personnel Admin	24	29.2	5	28.8	-0.41
Spanish	20	24.6	3	27.3	2.78
Sports Business	48	20.1	1	20.0	-0.13
Security & Strategic Intel	31	36.6	1	30.0	-6.58
Strategic Intelligence	8	29.6	1	21.0	-8.63
Social Work	291	27.7	41	27.8	0.06
Teaching	14	24.4	1	25.0	0.64
Theological Studies	24	25.0	3	22.7	-2.38
Theatre	18	20.3	4	19.8	-0.58
Unclassified	4	35.0	1	32.0	-3.00
Unclassified	24	35.8	1	39.0	3.21
Deciding	10	18.9	1	18.0	-0.90
Still Deciding	101	19.7	15	19.3	-0.38
Deciding	118	20.5	17	20.4	-0.05
Undecided	15	21.1	4	20.0	-1.13
Deciding	9	18.7	3	18.7	0.00
Undecided	18	41.2	1	23.0	-18.22
Urban Planning & Development	8	29.8	1	23.0	-6.75
Women's & Gender Studies	10	25.8	3	24.3	-1.47
Pathway: Applied Financial Eco	13	23.9	1	23.0	-0.92
Pathway: Business	40	20.4	1	25.0	4.63
Pathway: Engineering	7	21.9	1	24.0	2.14
Pathway: General	12	20.1	1	23.0	2.92
Pathway: Nursing	2	36.0	2	36.0	0.00
Pathway: Supply Chain Mgmt	8	25.8	2	32.0	6.25
Community Studies	1	21.0	1	21.0	0.00
Musical Theatre	1	18.0	1	18.0	0.00

Comparison of the distribution of the average GPA of those sent surveys
to the average GPA of the respondents
by Major

Major	Number sent	Pop. Avg. GPA	Number rcv'd	Resp. Avg. GPA	Deviation
No Major Associated	192	3.5	3	3.7	0.20
Applied Analytics	49	3.7	3	3.7	-0.05
Accounting	155	3.5	32	3.7	0.18
Aerospace Engineering	117	3.2	23	3.3	0.08
Aeronautics	161	3.1	15	3.5	0.36
Analytics & Enterprise Systems	22	3.2	3	3.5	0.24
Applied Financial Economics	37	3.6	4	3.7	0.15
Anatomy	9	3.5	1	4.0	0.46
Anthropology	20	3.5	5	3.7	0.18
American Studies	21	3.8	9	3.8	-0.00
Art History	8	3.7	2	3.7	-0.02
Studio Art	18	3.4	2	3.7	0.31
Aviation	23	3.9	1	4.0	0.08
Business Administration	171	3.6	19	3.6	0.00
Biochemistry/Molecular Biology	9	3.7	1	3.6	-0.06
Biochemistry	83	3.5	18	3.7	0.17
Bioinformatics & Comp Biol	14	3.6	2	4.0	0.37
Biology	413	3.4	108	3.6	0.13
Biomedical Engineering	186	3.4	47	3.4	-0.02
Biosecurity & Disaster Preparedness	6	3.6	1	4.0	0.42
Biostatistics	15	3.6	6	3.8	0.26
Criminology & Criminal Justice	75	3.2	10	3.4	0.17
Computer Engineering	37	3.3	10	3.3	0.07
Chemistry	89	3.4	21	3.5	0.11
Hospitality Management	1	2.1	1	2.1	0.00
Computer Information Systems	88	3.4	6	3.4	0.08
Communication	150	3.3	18	3.3	0.07
Computer Science	114	3.2	18	3.3	0.08
Comm Sciences & Disorders	148	3.6	28	3.7	0.07
Civil Engineering	70	3.1	14	3.4	0.27
Cybersecurity	6	3.4	2	3.6	0.23
Dentistry	51	3.6	1	3.7	0.05
Nutrition & Dietetics	123	3.6	27	3.7	0.10
Economics	99	3.4	14	3.7	0.28
Educational Foundations	5	4.0	1	3.9	-0.06
Higher Education Admin	56	3.7	9	3.9	0.14
Curriculum & Instruction	38	3.9	5	3.9	0.06
Educational Leadership	166	3.9	8	3.9	0.04
Special Education	22	3.9	2	3.8	-0.06
Education	108	3.4	28	3.6	0.12
Electrical Engineering	32	3.2	7	3.5	0.27
Emergency Management	12	3.1	2	2.6	-0.53
Engineering	98	3.6	7	3.7	0.09
English	33	3.9	3	3.8	-0.08
English	69	3.3	16	3.4	0.08
Entrepreneurship	59	3.1	9	3.4	0.30
Engineering Physics	9	3.2	1	3.8	0.63
Exercise Science	427	3.6	113	3.6	0.08
Environmental Science	34	3.4	9	3.5	0.06
Environmental Studies	9	3.4	3	3.6	0.18
Finance	163	3.3	21	3.5	0.20
French	13	3.5	2	3.2	-0.32
Forensic Science	33	3.2	17	3.3	0.05
Geophysics	2	3.1	1	3.0	-0.12
Geoscience	14	3.6	3	3.7	0.09
German Studies	2	3.8	2	3.8	0.00
Geographic Information Science	12	3.7	1	3.6	-0.10
Greek & Latin Lang & Lit	4	3.6	1	4.0	0.42
General Studies	62	2.9	2	3.2	0.21
Health Administration	110	3.7	12	3.5	-0.15
Health Care Ethics	26	3.8	3	3.9	0.08
Health Information Mgmt	25	3.4	3	3.6	0.21
History	79	3.6	17	3.8	0.14
Health Management	162	3.5	42	3.5	0.05
Health Sciences	202	3.3	59	3.5	0.13
Historical Theology	16	4.0	6	4.0	-0.02
Integrated & Applied Sciences	15	3.8	1	3.5	-0.28
International Bus-Marketing	8	3.8	3	3.8	0.01
Investigative & Medical Sci	89	3.6	32	3.6	0.05
International Business	130	3.3	16	3.4	0.12
Industrial-Organizational Psychology	18	3.9	1	4.0	0.12
International Studies	18	3.4	4	3.7	0.37

Comparison of the distribution of the average GPA of those sent surveys
to the average GPA of the respondents
by Major

Major	Number sent	Pop. Avg. GPA	Number rcv'd	Resp. Avg. GPA	Deviation
Information Technology Mgmt	37	3.0	3	3.4	0.40
Law	505	3.0	31	3.3	0.22
Leadership & HR Management	44	3.2	11	3.4	0.17
Leadership & Organizational De	52	3.6	5	3.5	-0.15
Medical Anatomy & Physiology	8	3.2	2	3.1	-0.08
Mathematics	51	3.6	7	3.5	-0.08
Medicine	716	3.9	60	3.9	-0.01
Medieval Studies	1	3.3	1	3.3	0.00
Mechanical Engineering	104	3.1	20	3.4	0.23
Meteorology	24	3.4	5	3.4	0.05
Marketing	165	3.1	28	3.3	0.20
Medical Laboratory Science	30	3.2	6	3.3	0.09
Magnetic Resonance Imaging	17	3.2	7	3.6	0.36
Music	10	3.5	3	3.8	0.34
Neuroscience	218	3.6	62	3.6	-0.00
Nuclear Medicine Tech	28	3.1	1	3.6	0.46
Nursing	933	3.5	170	3.5	-0.03
Occupational Sciences	183	3.6	57	3.6	0.05
Occupational Therapy	57	3.6	2	3.9	0.31
Org Leadership & Technology	27	3.3	3	3.8	0.46
Organizational Studies	104	3.2	9	3.1	-0.09
Physician Assistant	86	3.6	6	3.6	0.06
Public Administration	4	3.8	1	3.6	-0.13
Philosophy for Ministry	6	3.9	2	3.9	-0.02
Philosophy	61	3.6	7	3.8	0.16
Philosophy	38	3.7	2	3.3	-0.38
Public Health Studies	44	3.8	5	3.8	-0.01
Physics	20	3.2	1	2.8	-0.37
Project Management	41	3.5	6	3.5	0.02
Political Science	125	3.3	28	3.7	0.34
Public Policy Analysis	5	3.5	1	3.5	0.02
Pharm & Physiological Science	16	3.7	2	4.0	0.30
Experimental Psychology	23	3.9	4	4.0	0.10
Public and Social Policy	18	3.8	3	3.7	-0.01
Political Sci & Public Affairs	5	3.7	1	3.6	-0.09
Psychology	130	3.1	31	3.4	0.31
Psychology	99	3.3	29	3.4	0.13
Clinical Psychology	38	4.0	6	3.9	-0.05
Physical Therapy	166	3.6	20	3.6	0.04
Public Health	259	3.6	78	3.5	-0.01
Radiation Therapy	31	3.3	5	3.2	-0.07
Russian Studies	4	3.6	1	3.9	0.38
Supply Chain Management	41	3.6	7	3.6	0.02
Sociology	44	3.4	13	3.5	0.13
Software Engineering	2	3.6	1	3.9	0.31
Student Personnel Admin	24	3.8	5	3.8	0.07
Spanish	20	3.7	3	3.9	0.24
Sports Business	48	3.2	1	4.0	0.73
Security & Strategic Intel	31	3.4	1	2.3	-1.17
Strategic Intelligence	8	3.9	1	4.0	0.12
Social Work	291	3.6	41	3.7	0.03
Teaching	14	3.7	1	2.6	-1.02
Theological Studies	24	3.6	3	2.8	-0.77
Theatre	18	3.3	4	3.9	0.62
Unclassified	4	3.4	1	3.3	-0.15
Unclassified	24	3.6	1	4.0	0.39
Deciding	10	3.2	1	3.9	0.74
Still Deciding	101	3.2	15	3.5	0.30
Deciding	118	3.0	17	3.1	0.09
Undecided	15	2.4	4	2.3	-0.13
Deciding	9	3.2	3	3.8	0.57
Undecided	18	3.4	1	4.0	0.62
Urban Planning & Development	8	3.8	1	3.8	-0.00
Women's & Gender Studies	10	3.5	3	3.7	0.22
Pathway: Applied Financial Eco	13	3.7	1	3.9	0.18
Pathway: Business	40	3.1	1	4.0	0.92
Pathway: Engineering	7	3.1	1	.	.
Pathway: General	12	2.8	1	.	.
Pathway: Nursing	2	3.6	2	3.6	0.00
Pathway: Supply Chain Mgmt	8	3.6	2	3.7	0.17
Community Studies	1	3.7	1	3.7	0.00
Musical Theatre	1	4.0	1	4.0	0.00

Comparison of the distribution of sent surveys to the responses received by Gender

Gender	Number sent	PCT sent	Number rcv'd	PCT rcv'd	PCT diff.
unknown	4	0.0%	4	0.2%	0.2%
Female	6581	59.8%	1316	72.3%	12.5%
Male	4411	40.1%	500	27.5%	12.6%
	10996	*100.0%*	*1820*	*100.0%*	*0.0%*

Comparison of the distribution of the age of those sent surveys to the average age of those who responded by Gender

Gender	Number sent	Pop. Avg. Age	Number rcv'd	Resp. Avg. Age	Deviation
Female	6581	24.7	1316	22.1	-2.65
Male	4411	24.7	500	23.0	-1.67
unknown	3	29.3	1	23.0	-6.33

Comparison of the distribution of the average GPA of those sent surveys to the average GPA of the respondents by Gender

Gender	Number sent	Pop. Avg. GPA	Number rcv'd	Resp. Avg. GPA	Deviation
Female	6581	3.5	1316	3.5	0.06
Male	4411	3.4	500	3.5	0.15
Unknown	3	3.1	1	3.8	0.61

Respondents using Library from Midnight to 4:00 a.m. (N = 600)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am1cnt
1	Studying	582
2	Using a study room	277
3	Using other study spaces around the building	216
4	Printing	190
5	Scanning or copying	190
6	Getting something to eat or drink at the café	91
7	Using a library computer	71
8	Using information resources (books databases reserves)	40
9	Using the cafe as a meeting place	27
10	Something else	15
11	Looking at an exhibit	9
12	Using other technology (3D printer laser cutter robot)	8
13	Getting help from a librarian	6
14	Attending a program or lecture	4

Respondents using Library from 4:00 a.m. to 8:00 a.m. (N = 283)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am3cnt
1	Studying	225
2	Printing	149
3	Scanning or copying	149
4	Using a study room	81
5	Using a library computer	74
6	Getting something to eat or drink at the café	73
7	Using other study spaces around the building	69
8	Using the cafe as a meeting place	31
9	Using information resources (books databases reserves)	29
10	Something else	7
11	Using other technology (3D printer laser cutter robot)	7
12	Getting help from a librarian	6
13	Looking at an exhibit	2
14	Attending a program or lecture	1

Respondents using Library from 8:00 a.m.–Noon (N = 1,116)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am4cnt
1	Studying	909
2	Printing	658
3	Scanning or copying	658
4	Getting something to eat or drink at the café	428
5	Using a study room	355
6	Using other study spaces around the building	313
7	Using a library computer	247
8	Using information resources (books databases reserves)	137
9	Using the cafe as a meeting place	135
10	Getting help from a librarian	61
11	Something else	35
12	Using other technology (3D printer laser cutter robot)	24
13	Looking at an exhibit	16
14	Attending a program or lecture	13

Respondents using Library from Noon to 4:00 p.m. (N = 1,270)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am5cnt
1	Studying	1136
2	Printing	650
3	Scanning or copying	650
4	Using a study room	484
5	Getting something to eat or drink at the café	459
6	Using other study spaces around the building	418
7	Using a library computer	281
8	Using the cafe as a meeting place	166
9	Using information resources (books databases reserves)	157
10	Getting help from a librarian	68
11	Something else	36
12	Using other technology (3D printer laser cutter robot)	29
13	Looking at an exhibit	20
14	Attending a program or lecture	17

Respondents using Library from 4:00 p.m. to 8:00 p.m. (N = 1,287)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am6cnt
1	Studying	1213
2	Printing	602
3	Scanning or copying	602
4	Using a study room	573
5	Using other study spaces around the building	458
6	Getting something to eat or drink at the café	427
7	Using a library computer	243
8	Using the cafe as a meeting place	148
9	Using information resources (books databases reserves)	125
10	Getting help from a librarian	44
11	Something else	30
12	Using other technology (3D printer laser cutter robot)	21
13	Attending a program or lecture	12
14	Looking at an exhibit	11

Respondents using Library from 8:00 p.m. to midnight (N = 1,093)
Number of Selections from "all-that-apply" choices of Library uses list.

Obs.	AM1	am7cnt
1	Studying	1051
2	Using a study room	485
3	Printing	446
4	Scanning or copying	446
5	Using other study spaces around the building	394
6	Getting something to eat or drink at the café	327
7	Using a library computer	202
8	Using the cafe as a meeting place	104
9	Using information resources (books databases reserves)	82
10	Something else	22
11	Getting help from a librarian	21
12	Looking at an exhibit	14
13	Using other technology (3D printer laser cutter robot)	14
14	Attending a program or lecture	6