

sampl plan	30/30
sample size	30/30
questions	40/40
Total	100/100

36-303 Project Parts K.L.M.: Sampling Scheme and Question Design

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Topic: CMU Student Perceptions of Academic Integrity and Old Course-Materials Archives

The question that we're proposing to study is Carnegie Mellon University's perception of Academic Integrity & Old Course Material Archives. As Carnegie Mellon University is a world-class institution known for its rigorous academics, we would like to use this study to find out whether students understand and know all the academic policies that Carnegie Mellon University enforces. Also, we would like to find out about what students feel about old test and course material stockpiles and lastly, their opinion on a possible proposed solution. Using these results, we hope to possibly propose to the university administration, with strong statistical backing, about the possible implementation of a campus-wide, official university-sanctioned system of old academic materials for all classes to ensure all students have the same advantage in achieving academic success.

K. Sampling Scheme: Multi-Stage Sampling

Nb, "multi-stage" sampling is a kind of cluster sampling; you could call your method "multi-wave" or "multi-phase" sampling.

good plan We have decided to use Multi-Stage Sampling in which we will use two phases. We have decided to use two phases of sampling, because we are uncertain what our response rate will be. In the first phase we will send out a smaller set of surveys to gauge the response rate we can expect. We will then send out a second phase of surveys, which will take into account the number of responses we except (as detailed in part M).

this is fine Our questions do not rely on gender, age, race or major; the main division in the population of interest for our survey is between students involved and not involved in a fraternity or sorority. This is why we have decided against using Stratified Sampling.

good If our results do not accurately reflect the student population divisions, we will weight the results. For example, based on the Fraternity and Sorority Life Report, Fall 2009, 18% of the Carnegie Mellon population is involved in Greek Life; based on this, we will weight our responses so that 18% of our population's responses will be those of students involved in Greek Life. If we feel that a misrepresentation of gender/major/age is affecting our survey's results, we will then apply weights to correct this.

L. 20-30 Questions Please see attached survey

M. Sample Size

For a 95% confidence level, with a population of 5892 undergraduates (Wikipedia), we have calculated the following:

Confidence Interval	Sample Size:	Phase 1: number of emails sent	Phase 2: (expecting 25% response)
4%	545 people	400	1500
5%	361	200	1200
6%	255	180	900
7%	190	140	600
8%	146	100	500
9%	119	100	380
10%	96	100	280

According to lecture slides, the range for emailed survey responses is 20-30%. We will assume a 25% response for our Phase 1 email. Based on this, we will submit 150 Phase 1 emails. From this, we will determine how many Phase 2 emails to send (see above for examples). We will aim for a confidence interval of 8%. This will be affected primarily by response rate of Phase 1.

To achieve our $\pm 8\%$ goal we will need a sample size of 146 people, so we will have to send 600 email surveys if our response rate to Phase 1 is 25%.

above looks great


DEMOGRAPHICS(7 questions):

Please fill in the following:

Primary Major _____

Year(1 - 5+) _____  might make this be a closed choice question (choose one:
1 2 3 4 5+)

Gender: Male / Female

QPA(circle one):  might as your focus group whether they would rather have a "fill in the blank" for this. Fill in the blank would make the statistics easier, but maybe a closed question like this will help respondents with recall.

0.00-2.00 2.01-2.50 2.51-3.00 3.01-3.50 3.51-4.00

Do you live (check one):

____ On Campus University Housing (Excluding Greek Lease Housing)

____ Greek Lease Housing

____ Off Campus university housing

____ Private off campus housing

Are you a member of a sorority/fraternity (excluding honor societies)? Yes / No

Are you currently a member of a non-academic student organization? Yes / No

if member of fraternity, should
respondent ans "Y" to both of
the above?

MAIN SURVEY QUESTIONS(18 questions):

1. Do you intend ~~on going~~ to graduate school?

____ Yes  to go

____ Unsure

____ No

2. Which academic campus services do you use, and with what frequency:

Office Hours

Never Semesterly Monthly Weekly Multiple times per week

Academic Development (SI, study groups, tutors, etc.)

Never Semesterly Monthly Weekly Multiple times per week

Career Center

Never Semesterly Monthly Weekly Multiple times per week

Other: _____

3. What is the university policy regarding the use of old class materials to study for a current course a student is enrolled in? Choose the best fitting choice:

- a. Entirely prohibited
- b. Prohibited unless given by professor
- c. Not prohibited unless professor says otherwise
- d. Not prohibited

Maybe add "not provided by the professor" to clarify the source of the materials.

4. To what extent do you believe the following can be used as supplemental information for a course you are taking? Choose the best fitting choice:

Old notes:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Old Homework:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Old Exams:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Old Projects/Programs:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Old Papers:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Old Lab Materials/Papers:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Internet Sources:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

In-Class Peers:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

Students Who Have Completed the Class:

1 (never) 2(rarely) 3(sometimes) 4(often) 5(always)

5(a). For your current courses, do you currently have access to any of the following materials from previous years the class was offered? Check all that apply:

<input type="checkbox"/> Notes	<input type="checkbox"/> Homework
<input type="checkbox"/> Projects	<input type="checkbox"/> Lab Data/reports
<input type="checkbox"/> Papers	<input type="checkbox"/> Programs/Code
<input type="checkbox"/> Exams	

5(b). If you checked any of the above, what is the source of your access?

☐ Fraternity/Sorority

☐ Officially recognized CMU student organization

☐ Informal social network

☐ Other

6. Out of the materials you have access to, which do you use? Check all that apply:

<input type="checkbox"/> No Access	<input type="checkbox"/> Notes
<input type="checkbox"/> Homework	<input type="checkbox"/> Projects
<input type="checkbox"/> Lab Data/Reports	<input type="checkbox"/> Papers
<input type="checkbox"/> Programs/Code	<input type="checkbox"/> Exams
<input type="checkbox"/> None	

7. How much do you believe possessing supplemental materials would affect the average student's academic performance?

Notes:

Does this mean "do you think supplemental notes/hw helps your grade?" or does it mean "do you think suppl materials help your notes/hw/project/etc grade?"

Does not help at all	Helps but does not affect grade	Changes letter grades
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Homework:

Does not help at all	Helps but does not affect grade	Changes letter grades
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Projects:

etc.

Does not help at all	Helps but does not affect grade	Changes letter grades
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Lab Data/Reports:

Does not help at all	Helps but does not affect grade	Changes letter grades
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Papers:

Does not help at all	Helps but does not affect grade	Changes letter grades
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Programs:

Does not help at all	Helps but does not affect grade	Changes letter grades
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Exams:

Does not help at all

Helps but does not affect grade

Changes letter grades

8. Do you think that Greek organizations have archives of old class materials? ____ Yes

____ No

9. Would you consider joining a Greek organization to be able to access this material? ____ Yes

____ No

10. Did these archives affect your choice to join a Greek organization?

____ Yes

____ No

____ Not in a Greek Organization

11. Thus far this semester, how many of your professors provided old materials to study with? ____ How many professors do you have? ____

12. Do you believe that old course material provides students with an advantage?

____ Yes

____ No

13. Do you believe that access to old course materials (not provided by the professor) is fair? ____ Fair

____ Not Fair

14. In your opinion, which students should be able to access the archives of old course materials that are kept by sororities and fraternities?

____ No Students

____ Students in the Organization

____ All Students

15. Do you consider the use of the following material (not provided by professor) ethical?

Old notes: Ethical Not Ethical

Old Homework: Ethical Not Ethical

Old Exams: Ethical Not Ethical

Old Projects/Programs: Ethical Not Ethical

Old Papers: Ethical Not Ethical

Old Lab Materials/Papers: Ethical Not Ethical

Internet Sources: Ethical Not Ethical

In-Class Peers: Ethical Not Ethical

Students Who Have Completed the Class: Ethical Not Ethical

is anyone
going to say
no? is there
a better vers
of this
question?

maybe
combine

16. Do you consider the use of the following materials (not provided by the professor) cheating?

Old Notes: Cheating Not Cheating

Old Homework: Cheating Not Cheating

Old Exams: Cheating Not Cheating

Old Projects/Programs: Cheating Not Cheating

Old Papers: Cheating Not Cheating

Old Lab Materials/Papers: Cheating Not Cheating

Internet Sources: Cheating Not Cheating

In-Class Peers: Cheating Not Cheating

Students Who Have Completed the Class: Cheating Not Cheating

17. Would you support an official campus-wide archive of old course materials (submitted by professors) that would be accessible by all students?

____ Yes ____ No

18. Would you personally benefit from the creation of a campus-wide archive?

____ Yes ____ No