

Math 1332: Worksheet 5

October 20, 2021

Name: _____

1. For this question, you will do some statistical work to determine how the Bearkat Bundle program¹ benefits the average student. **Some of this you should do before class on Wednesday.**

- (a) **Before class on Wednesday**, figure out the following info for both you and one friend who is not in this class: The textbook/access code/etc. cost for each class being taken this semester, the total cost, the number of credits being taken this semester, and the Bearkat Bundle fee. Also record the major and class standing (freshman/sophomore/etc.) for both of you.

[For this class, the cost is \$25 (just for the Edfinity fee, as the textbook is freely available online). For other classes, you may need to search online to find prices. To calculate the Bearkat Bundle fee, you multiply the number of credit hours by the per credit fee of \$23.75.]

	class 1 cost	class 2 cost	class 3 cost	class 4 cost	class 5 cost	total cost
Person 1						
Person 2						

	# of credits	cost for Bearkat Bundle	major	class standing
Person 1				
Person 2				

- (b) Which of this data is quantitative? Which is categorical?
- (c) For each of you, do you get the better deal by paying the Bearkat Bundle fee, or by opting-out to buy your own books? How much money do you save? Compare with your groupmates in class, and determine the average amount saved.

¹Recall: This opt-out program charges a flat fee per credit hour to provide you with books, online access codes, etc. for your classes, rather than you having to buy them individually.
See <https://www.shsu.edu/services/auxiliary/bookstore/bearkatbundle.html>.

2. You are a member of a student group, and you are trying to survey the SHSU student population.
- (a) You set up a table on the quad and ask questions to anyone who stops by. What sampling method is used here?
 - (b) You pick 10 random classes, and with the permission of their instructors, hand out surveys to each class. What sampling method is used here?
 - (c) On your survey, one question asks whether they are a first-generation college student (i.e. their parents did not go to college). Is this data categorical or quantitative?
 - (d) On your survey, one question asks how many hours per week they work at a job. Is this data categorical or quantitative?