

15.3.3: Chapter 4 Lab

Experimental Design

- Design a survey. You are going to ask other students in the class four questions, 2 of which you will create:

What is your gender (Male, Female, Other Answer)?

How many units are you currently taking?

Question 3 _____

Responses to Question 3 _____

Question 4 _____

Responses to Question 4 _____

- Collect Data from Students in class - ask as many students as possible the 4 questions. Put the responses here.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Gender																				
Units																				
Question 3																				
Question 4																				

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Gender																				
Units																				
Question 1																				
Question 2																				

- Is this an observational study or an experiment? Explain?
- What type of sampling method did you use?
- Now, enter the data in the Minitab worksheet lab03.mpj. There will be 4 columns: Gender, Units, Question3, Question4.
- Create a graph that shows the percentage of each gender in your sample.
- Create a graph that shows the distribution of Units.
- Create a graph that shows the distribution of Question 3.
- Create a graph that shows the distribution of Question 4.
- Create a graph that shows the distribution of Question 3 by Gender.
- Create a graph that shows the distribution of Question 4 by Units.
- Write a paragraph describing the graphs, pointing out anything you found of interest.

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