

# Survey Assignment

Monday, March 26, 2018 3:05 PM



## Survey Assignment

end of class

**\*\*Survey Assignment is due: Thur. Mar 29 It not be accepted after Wed. Apr. 4, 2018**

In groups of 2-4, carry out a survey to investigate the relationship between two sets of numerical data. If you prefer to work alone, you may.

Design 4-6 survey questions without bias. You must use at least three of the five types of survey questions studied in class.

Define your population and describe how you selected your sample. Use a minimum of **25 participants**. Organize the results in a table. Then draw a scatter plot of the data using excel. Make a conclusion regarding what you learned about this relationship.

Assignment will be marked for completion, organization, and neatness – see marking scheme on web-site before handing in your assignment.

By the end of today you should have

1. decided what numerical data you intend to collect and
2. created your survey questions.

Next class: carry out your survey, begin typing up your report

The final class: Type your relevant numerical data into excel and create a scatter plot

Your assignment should be all on one piece of paper (print preview before printing).  
 Examples of numerical data: How many hours you work per week. How much you earn on average per week. How many hours you sleep, on average, per week. How much you spend on Christmas gifts on average per year. How many hours you spend texting on average per day. How many hours you spend accessing the internet/cell service per day. How many times you buy your lunch per week. How many times you buy a beverage per week. How much you spend on clothes per year. How many times per year you get your hair cut. How much you spend on a haircut, on average. How much you spend on make-up per year. Your age. Your grade. Number of tv's in your home. Number of computers in your home (including laptops but not tablets). How many tablets and phones in your home. Number of people living in your home. Number of pets you have had so far in your lifetime. Etc., etc.

→ E.g. ① How much pay do you earn on average per week?

② How much money do you spend on gifts

Only need to actually ask ② of your questions

Participant	Pay/wk	\$ on Gifts
A	170	500
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		
N		
O		
P		
Q		
R		
S		
T		
U		
V		
W		
X		
Y		

numerical data so you can do a scatter plot.

4 other questions to cover the other types you do not need to use when you collect your data.



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assignme...

MAP4CI

**Survey Assignment**

Name(s): \_\_\_\_\_

<b>Name(s) clearly written on assignment</b>	2	1	0
<b><u>SURVEY</u></b>			
Contains at least 3 types of questions			
▫ Y/N    ▫ blank    ▫ M/C    ▫ scale    ▫ open	3	2	1 0
Bonus if all 5 types		+ 1	0
No Bias in Survey	2	1	0
At least 25 people surveyed	2	1	0
Population defined		1	0
Sample selection representative of population	3	2	1 0
Nice Chart to summarize data	2	1	0
<b><u>SCATTER PLOT</u></b>			
Axes labeled (e.g., x-axis age, y-axis hours)	2	1	0
Scale on axes	2	1	0
Points plotted properly	2	1	0
Ruler used if manual... title on graph if electronic	2	1	0
<b><u>SUMMARY STATEMENT</u></b>	2	1	0
<b><u>OVERALL NEATNESS + Entire assignment on only one page</u></b>	2	1	0
Bonus (Something "extra" that makes your assignment stand out over others)		+ 2	1 0
<b><u>TOTAL</u></b>			<b>127</b>