

GUIDELINES FOR STA116 GROUP PROJECT SEMESTER MARCH – AUGUST 2024

INSTRUCTIONS:

1. You are to conduct research on CS110 part 4 students.
2. Choose an interesting research topic (E.g.: CS110 Part 4 Students' Dream Wedding, Music Preference among CS110 Part 4 Students).
3. Design a questionnaire.
 - Determine the variables that you want to include in your research (maximum 4 variables). Make sure you have both **qualitative and quantitative** variables (2 qualitative & 2 quantitative, or 3 qualitative & 1 quantitative). Create a question for each variable and list out choice of answers for each question.
4. Select a sample for your study by using an appropriate sampling technique. Distribute the questionnaire to your selected sample.
5. Do a statistical analysis on the data that you obtain.
6. Write a report.

REPORT GUIDELINES:

Your report should include:

1. Photos of all group members. (1 page)
2. Introduction (1 page)
 - Explain about your topic.
3. Sampling technique (1 page)
 - Describe sampling technique that you use in your study. Explain the technique correctly. Draw pictures if necessary.
4. Data collection method (1 page)
 - Put a sample of your questionnaire.
5. Data analysis and results. (4 – 10 pages)
 - Show the analysis and explain the results in a fun and interesting way.

Qualitative data	Quantitative data
The analysis for qualitative data must include: ● Frequency distribution ● Bar chart or pie chart	The analysis for quantitative data must include: ● Frequency distribution ● Histogram ● Measures of central tendency (mean, median, mode) ● Measures of dispersion (variance and standard deviation) ● Shape of distribution

6. Conclusion (1 page)
 - Summarize and conclude your research.

EVALUATION: This project contributes 20% to your carry mark.

PROJECT DEADLINE: Week 7

SAMPLE QUESTIONNAIRE

TITLE: CS110 PART 4 STUDENTS' DREAM WEDDING

INSTRUCTIONS:

1. Answer ALL questions.
2. Choose ONE answer only for each question.

QUESTIONS:

1. Which theme do you like to have for your wedding?
 - Malay traditional theme
 - Modern theme
 - Bollywood theme
 - Costume theme
2. Which venue do you want to have your wedding?
 - Home
 - Hotel
 - Beach
 - Park
3. How many changes of outfits do you want to have during your wedding?
 - 1 – 2
 - 3 – 4
 - 5 – 6
 - 7 – 8
4. How much money do you want to spend for your wedding?
 - RM10000 – RM15000
 - RM15000 – RM20000
 - RM20000 – RM25000
 - RM25000 – RM30000
 - RM30000 – RM35000
 - RM35000 – RM40000

RUBRIC AND EVALUATION FORM FOR STA116 GROUP PROJECT

NO.	CRITERIA	RANGE OF MARKS			MARK (M)	M×W
		8 – 10	4 – 7	1 – 3		
1	Introduction (W = 1)	Give very clear overview of the topic and issue. Triggers the interest of readers to read further.	Give basic overview of the topic and issue. Does not really trigger the interest of readers to read further.	Give unclear overview of the topic and issue. Does not trigger any interest of readers to read further.		
2	Sampling technique and data collection method (W = 0.5)	Sampling technique is explained in an interesting way. The questionnaire is interesting.	Sampling technique is explained in a good way. The questionnaire is good.	Sampling technique is explained in a simple way. The questionnaire is simple.		
3	Data analysis and results (W = 2)	Accurate with no mistakes. Very easy to understand.	Accurate with a few mistakes. Easy to understand.	Not accurate. Contain many mistakes. Some are not easy to understand.		
4	Creativity in explaining the results (W = 1)	Use fun and unique way in writing the explanation. Know how to capture readers' interest. Readers feel extremely happy after reading the explanation.	Use normal way in writing the explanation. Know how to capture readers' interest a little bit. Readers feel a bit happy after reading the explanation.	Use typical and mundane way in writing the explanation. Does not know how to capture readers' interest. Readers do not feel happy after reading the explanation.		
5	Conclusion (W = 0.5)	Very clear and concise. Sums up the whole project.	Moderately clear and concise. Sums up the whole project.	Not very clear and concise. Does not really sum up the whole project.		

TOTAL MARK $\left(\sum M \times W\right)$	
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