CvSU Vision
The premier university in historic Cavite globally recognized for excellence in character development, academics, research, innovation and sustainable community engagement.

CAVITE STATE UNIVERSITY
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CvSU Mission
Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, science and technology through quality instruction and responsive research and development activities.
It shall produce professional, skilled and morally upright individuals for global competitiveness.

DEPARTMENT OF COMPUTER STUDIES
ITEC 95- Quantitative Methods

Name: Date:
Course and Section: Score:

GRADING RUBRICS:

CRITERIA	PERFORMANCE INDICATORS	POINTS
Data Accuracy and Clarity	Data is completely accurate, very easy to understand, and correctly represented.	25
Effectiveness	Effectively communicates the key insights and answers the intended question.	25
Right Chart Type	Chart type is highly appropriate.	20
Visual Design	Visually appealing and well-organized.	30
	Total	100

Instructions:
1. Create a line chart with two distinct lines comparing the trends of two different variables/data over time.
2. Describe any relationship or patterns you observe between the two lines. Do they tend to move in the same direction, opposite directions, or is there no clear correlation?
3. Based on your observations, what conclusions or insights can you draw from the data?

Month	Sales (Peso)	Website Visits	Temperature (°C)	Number of Bugs Fixed
January	15,000	2,500	28	12
February	18,500	2,800	29	15
March	22,000	3,100	31	10
April	25,500	3,500	33	8
May	28,000	3,800	34	5
June	26,000	3,600	33	7
July	24,000	3,400	32	9
August	27,000	3,700	31	11
September	30,000	4,000	30	14
October	33,500	4,300	29	17
November	31,000	4,100	28	13
December	35,000	4,500	27	16

Output:

There is a noticeable pattern indicating that as website visits increase, sales tend to increase as well. Both variables generally move in the same direction, which shows a positive correlation. For example, in January, there were 2,500 website visits resulting in ₱15,000 in sales. By December, visits rose to 4,500 and sales increased to ₱35,000. This suggests that higher website traffic may lead to more purchases.