

Data Analysis and Probability

Goal: The learner will understand and use graphs and data analysis.

Objective:

4.01 Collect, organize, analyze, and display data (including scatterplots) to solve problems.

To achieve this objective, students should:

- Choose appropriate scales and accurately plot and label paired-data in a scatterplot.
- Analyze the relationship among pairs of data in a scatter plot.
- Determine if data points displayed in a scatter plot have a positive relationship (correlation), a negative relationship, no relationship, or a constant relationship.
- Use scatter plots to make predictions and draw conclusions about bivariate data.
- Recognize trends in data from a scatter plot, including whether an outlier may exist.