

Data Analysis and Probability

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

Objective:

4.04 Identify outliers and determine their effect on the mean, median, mode, and range of a set of data.

To achieve this objective, students should:

- Calculate and identify outliers using the $1.5 \times \text{IQR}$ criterion
- Determine the effect of removing or keeping outliers on measures of central tendency and the appearance of a graph.
- Determine which measure of central tendency most appropriately describes a set of data.