

Data Analysis and Probability

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

Objective:

4.03 Describe how the mean, median, mode, range, frequency distribution, and inter-quartile range of a set of data affect its graph.

To achieve this objective, students should:

- Determine the effect of removing or keeping outliers on measures of central tendency and the appearance of a graph.
- Describe how the shape of a graph is affected when data values are changed. In particular, students should analyze boxplots created with and without an outlier indicated.