Ƙognity © 2026

4.2 Presentation of data

Checklist

What you should know

By the end of this subtopic you should be able to:

- construct a frequency distribution diagram from a frequency distribution table

- identify the following from data grouped into intervals:
    - mid-interval values

    - interval width (though it is not common to have a varying interval width)

    - lower interval boundary

    - upper interval boundary

    - modal class (the class with the highest frequency or the tallest class in the diagram)

- find the five-number summary, range and IQR from a set of data

- construct and interpret a box-and-whisker plot, including identifying any outliers

- interpret a box-and-whisker plot to determine if data is approximately normally distributed, positively skewed or negatively skewed

- construct a cumulative frequency curve from a frequency table

- interpret a cumulative frequency curve with percentiles.

Kog