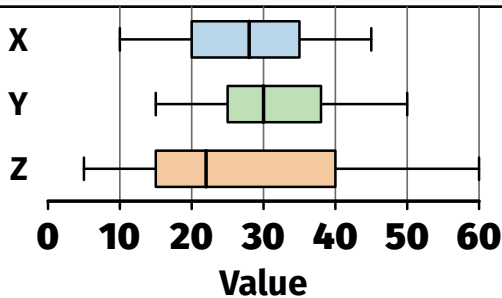


Push Tasks



Analyse and compare multiple distributions, justifying your reasoning with CSSI.



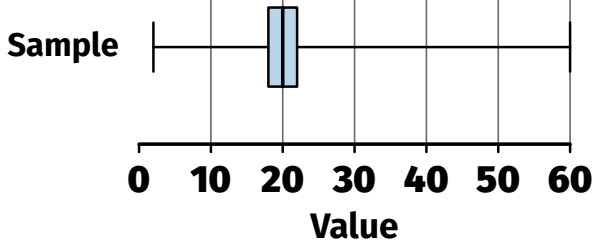
1. Compare centre, shape, and spread for X, Y, and Z.

2. Critique: “A did better because its box is higher.” What is missing?

Push Tasks



Explain what different measures of spread reveal.



3. Same range, very different IQRs: what does this mean?

4. The whisker is much longer than the box. What might that indicate?

Push Tasks



Reason about how CSSI components combine to tell a fuller data story.

5. Why might mean and median differ significantly in a heavily skewed distribution?

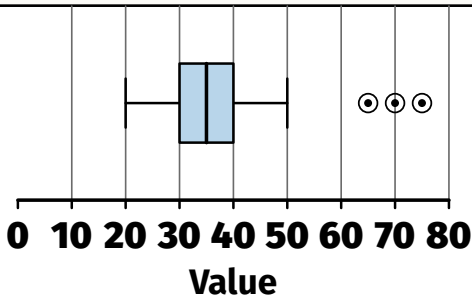
6. Why are two box plots often more informative than two means alone?

Push Tasks



Interpret outliers without overclaiming from the summary.

Sample



7. Several outliers lie on one side. What might this suggest?

8. Design two distributions differing only by one outlier. How does interpretation change?