Descriptive Data Summarization Exercises for the lecture

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Datasets

Data1: {400, 400, 1800, 1800, 1800, 1800, 1800, 1800, 1800, 1800}

Data2: {2, 5, 7, 12, 13, 18, 21, 23, 27, 30}

Data3: {1200, 1200, 1200, 1200, 1200, 1200, 1200, 1200, 40000}

With your own dataset calculate:

- Mean
- Median
- (Approximated median: Data1 and Data3 take intervals [0, 49], [50, 99] and so on, Data2 [0, 4], [5, 9] and so on) – if you have time at the end
- Mode
- Midrange

With your own dataset calculate:
- Minimum, maximum, range
- First quartile Q1
- Third quartile Q3
- Interquartile range
- Standard deviation

Draw the box-plot.

Graphic Displays

With your own dataset draw:

- Histogram; take the same intervals as for the approximated median