

Quantitative data (1.2)

- ① dotplot
- ② stem and leaf plot
- ③ Histogram
- ④ Box and whisker plot

Center

measures of central tendency

mean: sample
$$\bar{x} = \frac{\sum x}{n}$$

population μ

median: middle value when they are listed in order

5, 6, 6, 6, 7, 7, 7, 7, 9, 9, 11,
11, 13, 14, 17, 20

median: 8

mean: 9.69

mean is sensitive to extreme values

When data is skewed, median is a better representation of center