

SAMPLING METHODS

RANDOM - Every item has an equal chance of being selected.

SYSTEMATIC - Select every K^{th} person

STRATIFIED -
1) Divide population into groups
2) Randomly select a few people from each group

CLUSTER -
1) Divide population into groups
2) Randomly select a few groups + survey everyone in those groups

CONVENIENCE - Survey whoever is readily available

MEASURES OF VARIATION

- measure the "spread" of the data

"Range -

$$\begin{array}{r} \text{Bl 3} \\ 74 - 101 \end{array}$$

$$\begin{array}{r} \text{Bl 4} \\ 56 - 78 \end{array}$$

*Standard Deviation - the "average" of how much each piece of data varies from the mean

{6, 8, 9, 11, 12, 28, 34, 36}

- 1) Find mean
- 2) Data - mean
- 3) Square the differences

- 4) Find the mean of the squared #'s
- 5) Square root of mean