Measures of Central Tendency

2 Location mean - average median - middle

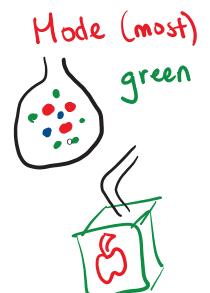
mode - most freq

$$\frac{u}{x} = 29$$
 Temps: 8, 42 [17] 68°, -10; 3°, (75)

Median:

King County, WA Seattle

Measures of Central Tendency (cont.)



Party Aug Age ~ 21 yrs old tequila, key, everclear, etc. {4, 5, 6, 7, 8, 9, 66,66} \$\fi \times 21\$ mode = 66 mode = 66 (3) Spread: (max: largest min: smallest range = max-min

standard deviation

- (avg distance from mean)

(5 2)

$$\sqrt{\sum_{i=1}^{n} \frac{(x_i - \overline{x})^2}{n-1}} = S$$

$$\left(\times_{3}-\mu\right)^{2}\left(-\right)^{2}\rightarrow\left(+\right)$$

$$\frac{\sum_{i=1}^{N} (x_i - u)^2}{\sum_{i=1}^{N} variance} = 0$$

$$\frac{\sum_{i=1}^{N} (x_i - u)^2}{N} = \text{ variance} = \sigma^2$$

$$\int \frac{\sum_{i=1}^{N} (x_i - u)^2}{N} = \text{ std dev} = \sigma$$