HW due Wed Tomca on AP classroom Pakeaway from last fine O Give context in your answers 2 Label your variables Describing big data / distributions Shape obell-shape of how many ? unimodul modes of bimodul Center Point Center

5 pread

Shape: uniform Dak bell-shape · symmetric · un i modal 1)ater bimodad unimodad Skew Skew let

Symmetric My Marie Symmetric My Marie Mari

Outdiers O 1.5 x I QR rule

(2) more than 2 SD

(for ball-shaped curves)

IQR = Q3 - Q,

median of median of top 50% of data

Van

Mexican plocess 3x Spread (Center:) - # of midelle » median <omean, if possible! T average median

of graph median Mean To range: max-min Speal 9 Standard K. Deviation

data set Some formulas: E(X) = expected Value of $X = \begin{cases} 20, 20, \\ 3, 3 \end{cases}$ ~ mean " every Member in X

 $X = \{3, 7, 5, 9, 4, 8, 2\}$

3+7+5+9+4+8+2

$$E(X) = X = \frac{38}{7}$$
std dw. = $\frac{38}{7}$

$$= \frac{2(x - X)^{2}}{2(x - X)^{2}} \text{ hit every }$$

$$+ in X$$

$$VAR(X) = (3 - \frac{38}{7})^{2} + (7 - \frac{38}{7})^{2} + (9 - \frac{36}{7})^{2} + \dots + (8 - \frac{36}{7})^{2} + (2 - \frac{39}{7})^{2}$$

$$= \frac{38}{7} + (2 - \frac{39}{7})^{2} + \dots + (8 - \frac{36}{7})^{2} + (2 - \frac{39}{7})^{2}$$

Diside result by n=7

then you have

VAR(X)

(3) to get SD. You SD. = JVAR(K)