Measures of variation-Phet 2
$I Q R+B_{0} x+$ Whisker Plots


Interquartile Range

$$
\begin{aligned}
& \left.\frac{k_{3} Q_{25}\left|2 \sigma^{2}+x\right|}{\text { med }} \right\rvert\,=Q_{3}-Q_{1} \\
& \left\lvert\, \frac{I Q R}{I Q R}\right. \\
& \begin{aligned}
\text { Median } & =\frac{33}{2}=16.5=17^{\text {th }} \\
& =162 \\
\text { Quarhbs } & =\frac{16}{2}=8^{\text {th }}+9^{\text {th }} \\
Q_{1} & =\frac{144+148}{2}=146
\end{aligned}
\end{aligned}
$$

Out liens

1) $I Q R * 1 . S=\#$
2) $26 * 1.5=39$
3) lower boundary $=Q_{1}-\#$
4) $146-39=107$
5) upper boundary $=Q_{7}+*$
6) $172+39=211$

Outliers: 219


B


1) Find $\%$ above $z=1.12$


Col. B

Find $\%$ between $z=0.35 \% z=0.67$


The area $(\%)$ below $Z$ is 0.257 .
What is the Z-score 0.8600


$$
z=-0.65^{2}
$$

