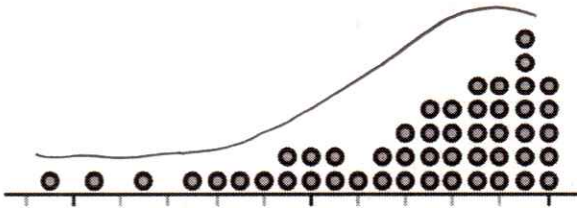
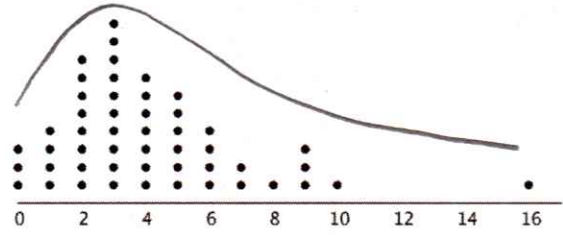


Shape, Center, and Spread

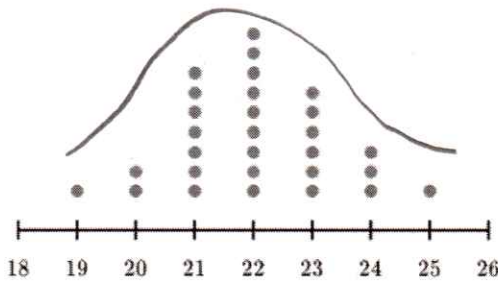
Shape



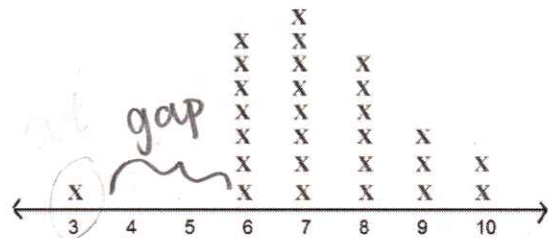
skewed left



skewed right



symmetric



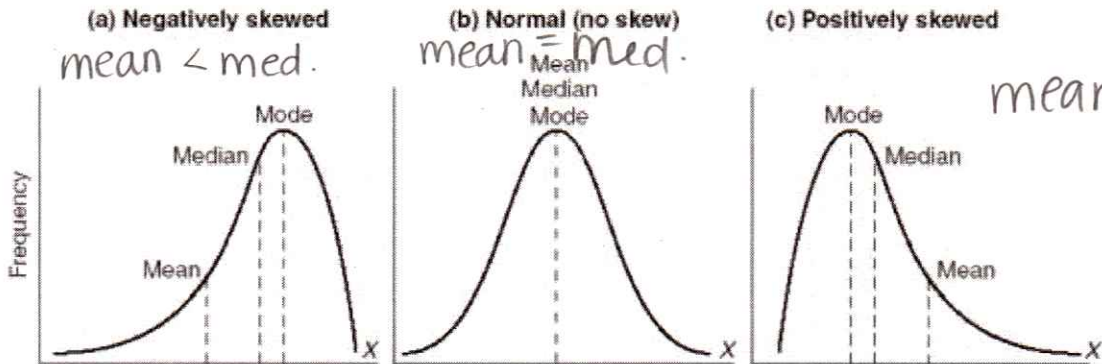
potential outlier

Center

Mean: *average*

Median: *middle #*

Mode: *# you see the most*



skewed left

The normal curve represents a perfectly symmetrical distribution

skewed right

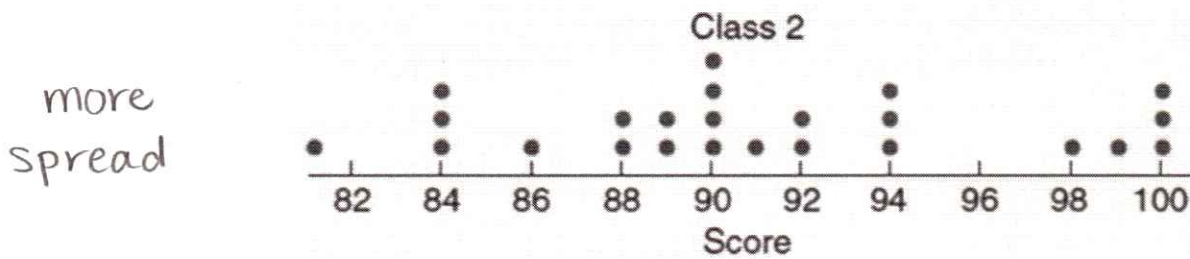
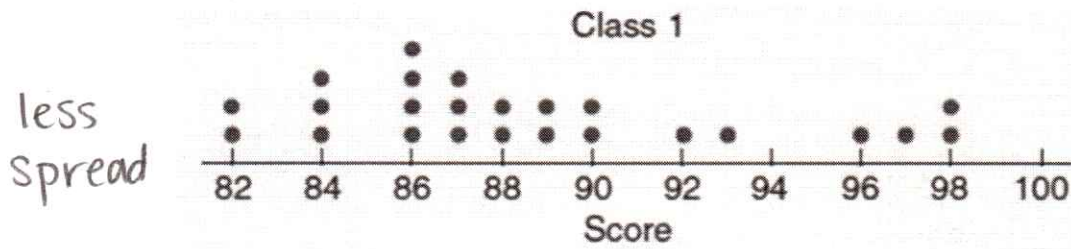
symmetric

Spread

Range:

Interquartile Range

Standard Deviation



* Choosing the best measure *

symmetric \rightarrow center: mean

spread: standard deviation

skewed \rightarrow five # summary

center: median

spread: IQR