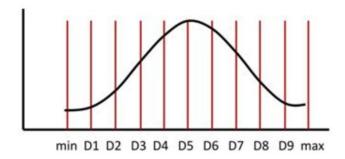
Decile

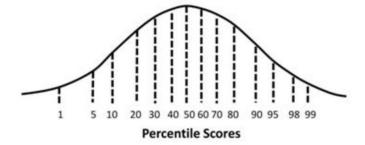
Percentile

Dispersion Measures: Percentiles and Deciles

 Percentiles: Of a distribution are the 99 values that split the data into a hundred equal parts



 Deciles: Of a distribution are the 9 values that split the data into 10 equal parts



Dispersion Measures: Key Definitions (Cont'd)

- Quartiles of a distribution are the 3 values that split the data into 4 equal parts
 - Median (or second quartile) divides the data into a lower and upper half
 - First quartile is the middle of the lower half (25%)
 - Third quartile is the middle of the upper half (75%)
- The inter-quartile range (IQR) is a measure that indicates the extent to which the central 50% of values within the dataset are dispersed IQR = Q3 - Q1
 - Ignores outliers
 - Only two points used in estimation

