

## Percentile and Interquartile Range(IQR)

$$\text{Position}_i = (n) \left( \frac{i}{100} \right) = j + g \quad : i^{\text{th}} \text{ percentile}$$

if  $g > 0 \rightarrow \text{position}_i = (j+1)\text{-th position}$

if  $g = 0 \rightarrow \text{position}_i = \text{the average of the two observation in the } j\text{-th and } (j+1)\text{-th}$