

# Points in Distributions

- Up to now describing distributions
- Comparing scores from different distributions
  - Need to make equivalent comparisons
  - z scores  
standard scores
  - Percentile, Percentile rank ~

# Standard Scores

- **Convert raw scores to z scores**
- **raw score: value using original scale of measurement**
- **z scores: # of standard deviations score is from mean**
  - **e.g.,  $z = 2$   
= 2 std. deviations from mean**
  - **$z = 0 = \text{mean}$  ~**

# z Score Equation

$$z = \frac{X - \mu}{\sigma}$$