

CHAPTER 5: THE STANDARD DEVIATION AS A RULER AND THE NORMAL MODEL

*Why do we need standard deviation?*

z-score: tells you how many \_\_\_\_\_ a value is from the \_\_\_\_\_

**SHIFTING & SCALING DATA**

Statistic	Original (y)	+ 10	• 2	• 3 & - 5
Mean	30			
Median	32			
IQR	8			
Standard Deviation	6			
Minimum	12			
Q1	27			
Your Score				

SHIFTING

RESCALING