

Range  $74 - 58 = 16$  Height of Students

Range =  $58, 60, 74, 58, 62, 64$

$58, 58, 60, 62, 64, 74$   
 Mean = 62.6 Median 61 Mode 58

Measures of Central Tendency.

Recalculate without the Outlier.

Mean = 60.4 Median = 60 Mode = 58

Change  $\rightarrow -2.2$   $-1$

Standard Deviation.

Range = Largest Number - Smallest Number.

Deviation: Difference  
between the entry  $x$   
and the mean  $\mu$  of the data  
 $\uparrow$   
Greek letter

37, 38, 39, 41, 41, 41, 42, 44, 45, 47

Range:  $47 - 37 = 10$

Mean:  $41.5$

$$41 - 41.5 = -0.5$$

$$38 - 41.5$$

$$\text{Joe} = 39$$

$$\text{Sally} = 45$$

Salary	Deviation
41	-0.5
38	-3.5
39	-2.5
45	3.5
47	5.5

