

Numerical Measures of Central Tendency – Reading Test Scores

i	NewMethodScore(i) x(i)	Deviation from Mean $(x_i - \bar{x})$	Deviation Squared $(x_i - \bar{x})^2$
1	80		
2	76		
3	70		
4	80		
5	66		
6	85		
7	79		
8	71		
9	81		
10	76		

Column Sum	Column Sum	Column Sum
$\sum x_i$	$\sum (x_i - \bar{x})$	$\sum (x_i - \bar{x})^2$
Sample Mean $\bar{x} = \sum x_i \div 10$		Sample Variance $s^2 = \sum (x_i - \bar{x})^2 \div 9$
Sample Median		Sample Standard Deviation $s = \sqrt{s^2}$