

Table 6.3 Calculations for the Estimate of the Standard Deviation of the Population

x	$x - \bar{x}$	$(x - \bar{x})^2$
30 days	1	1
35 days	6	36
20 days	-9	81
41 days	12	144
58 days	29	841
2 days	-27	729
18 days	-11	121
28 days	-1	1
$\sum x = 232$		
$\bar{x} = 232 / 8 = 29$ days		$\sum (x - \bar{x})^2 = 1,954$