

Step 2: Compute for the summation of  $f$ ,  $f \cdot x_m$ , and  $f \cdot x_m^2$ .

No. of hours	Frequency ( $f$ )	Class mark ( $x_m$ )	$x_m^2$	$f \cdot x_m$	$f \cdot x_m^2$
2-6	4	4	16	16	64
7-11	7	9	81	63	567
12-16	5	14	196	70	980
17-21	9	19	361	171	3249
22-26	3	24	576	72	1728
27-31	2	29	841	58	1682
	$n =$			$\Sigma(f \cdot x_m) =$	$\Sigma(f \cdot x_m^2) =$

Range:

$$S^2 = \frac{1}{n} \left[ (x_{\max}^2) - (x_{\min}^2) \right] / (n-1) \quad S =$$