

Learn

X	Y	XY	X ²	Y ²	$\frac{XY}{n}$	$\frac{X^2}{n}$	$\frac{Y^2}{n}$
2	35	70	4	1225	17.5	1.33	306.25
4	60	240	16	3600	35	2.67	1200
5	20	100	25	400	20	3.33	160
2	50	150	9	2500	15	1.33	625
6	50	300	36	2500	30	4	625
5	55	275	25	3025	27.5	3.33	756.25
7	60	420	49	3600	35	4.67	1200
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② Residual

weight	price (Actual)	price - Predicted	Predicted Residual
2	25	40,404	-5,404
4	60	45,646	14,354
5	20	48,267	-28,267
3	50	43,025	6,975
6	50	50,888	-0,888
5	55	48,267	6,733
7	60	53,505	6,491

Mean - Absolute - error

$$\begin{aligned}
 MAE &= \frac{1}{n} \sum_{i=1}^n (y_i - \hat{y}_i) \\
 &= \frac{69.113}{7} \\
 &= 9.873
 \end{aligned}$$

Mean-Squared-Error:

$$MSE = \frac{1}{n} \sum_{i=1}^n (y - \hat{y})^2$$

$$= \frac{1171.17137}{7} = 167.3101$$