

	x_i	y_i	$(x_i - \bar{x}_i)x_i$	$(y_i - \bar{y}_i)x_i$
1.	1.7	3.7	-2.076	-3.764
2.	1.6	3.9	-2.114	-3.223
3.	2.8	7.7	-0.34	5
4.	5.6	9.5	15	20.08
5.	1.3	3.4	-2.106	-3.268
6.	2.2	5.6	-1.587	-0.691
7.	1.3	3.7	-2.107	-2.878
8.	1.1	2.7	-2.003	-3.535
9.	3.2	5.5	0.8914	-1.325
10.	1.5	2.9	-2.132	-4.52
11.	5.2	10.7	11.848	24.885
12	4.6	7.6	7.721	7.756
13	5.8	11.8	16.695	34.13
14	3	4.1	0.235	-5.443
Here $n = 14$		$\sum (x_i - \bar{x}_i)x_i$	$\sum (y_i - \bar{y}_i)x_i$	

$$\text{mean}(x_i) : \bar{x}_i = 2.921$$

$$\text{mean}(y_i) : \bar{y}_i = 5.914$$

Now compute $(x_i - \bar{x}_i)x_i$ for each ~~each~~ instance

compute $(y_i - \bar{y}_i)x_i$ for each instance

and ~~add~~ the column for the two formulae

$$\text{compute } \sum_{i=1}^n (x_i - \bar{x}_i)x_i = 37.923$$

$$\sum_{i=1}^n (y_i - \bar{y}_i)x_i = 63.205$$

$$\text{Now } w_1 = \frac{\sum_{i=1}^n (y_i - \bar{y}_i) x_i}{\sum_{i=1}^n (x_i - \bar{x}_i) x_i}$$
$$= 1.66$$

$$w_0 = \bar{y}_i - w_1 \bar{x}_i$$
$$= 5.914 - (1.66) 2.921$$

$$w_0 = 1.045$$