

(3)

4	2	5	6	3	X
15	8	21	24	17	Y

A Saturday - Service Sales are the dependent variable

X	Y	XY	X ²	Y ²
4	15	60	16	225
2	8	16	4	64
5	21	105	25	441
6	24	144	36	576
3	17	51	9	289

ΣX	ΣY	ΣXY	ΣX^2	ΣY^2
20	85	376	90	1595

$$5(376) - (20)(85)$$

$$\sqrt{[5(90) - (20)^2] \cdot [5(1595) - (85)^2]}$$

$$\sqrt{\frac{1880 - 1700}{4 \cdot [50] [750]}}$$

$$\sqrt{\frac{180}{37500} \cdot \frac{180}{193.64}} = .929 C$$