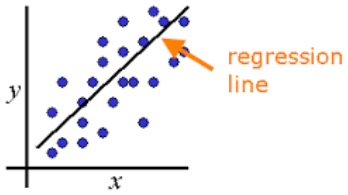
Finding Equation of Regression Line



Let's say, you have coordinates of four points:

X	2	4	6	8
Y	Y1	Y2	Y3	Y4

For y1, y2, y3, y4 assign any four positive numbers between 10 and 30.
Make sure your set is different from already posted submissions.

Here are 6 steps you should to complete:

1) Compute x-mean <x> and y-mean <y>.
2) Complete the table below:

x	y	x-<x>	y-<y>	(x-<x>)(y-<y>)	(x-<x>)^2
2					
4					
6					
8					

3) Find Sum of column (x-<x>)(y-<y>). This is S_{xy}
4) Find Sum of column (x-<x>)^2 This is S_{xx}
5) Calculate $b_1 = S_{xy} / S_{xx}$ and $b_0 = <y> - b_1<x>$
6) Write Equation of Regression Line in form: $y = b_0 + b_1x$