	X	у	x - Xmean	y - Ymean	(x-xmean)(y-ymean)	(x - x) 2	(y - y)2	
	90	180	26.875	1.75	47.03125	722.265625	3.0625	
	50	178	-13.125	-0.25	3.28125	172.265625	0.0625	
	60	179	-3.125	0.75	-2.34375	9.765625	0.5625	
	70	177	6.875	-1.25	-8.59375	47.265625	1.5625	
	62	180	-1.125	1.75	-1.96875	1.265625	3.0625	
	55	179	-8.125	0.75	-6.09375	66.015625	0.5625	
	58	177	-5.125	-1.25	6.40625	26.265625	1.5625	
	60	176	-3.125	-2.25	7.03125	9.765625	5.0625	
um	505	1426			44.75	1054.875	15.5	
lean	63.125	178.25						
tandard Deviation by Formula	21.21320344	2.828427125	21.21320344					
alculated SD	12.276	1.488						
Correlation Coefficient (r)	0.35							
lope (m) = $r(Sy/Sx)$	0.0424							
-intercept = MeanY - (m)MeanX	175.57							
est Fit Line	y = 0.0424x + 175.57							
			y VS. X 200 150 50	•	•			•
			0 50	60	70	8	00	90