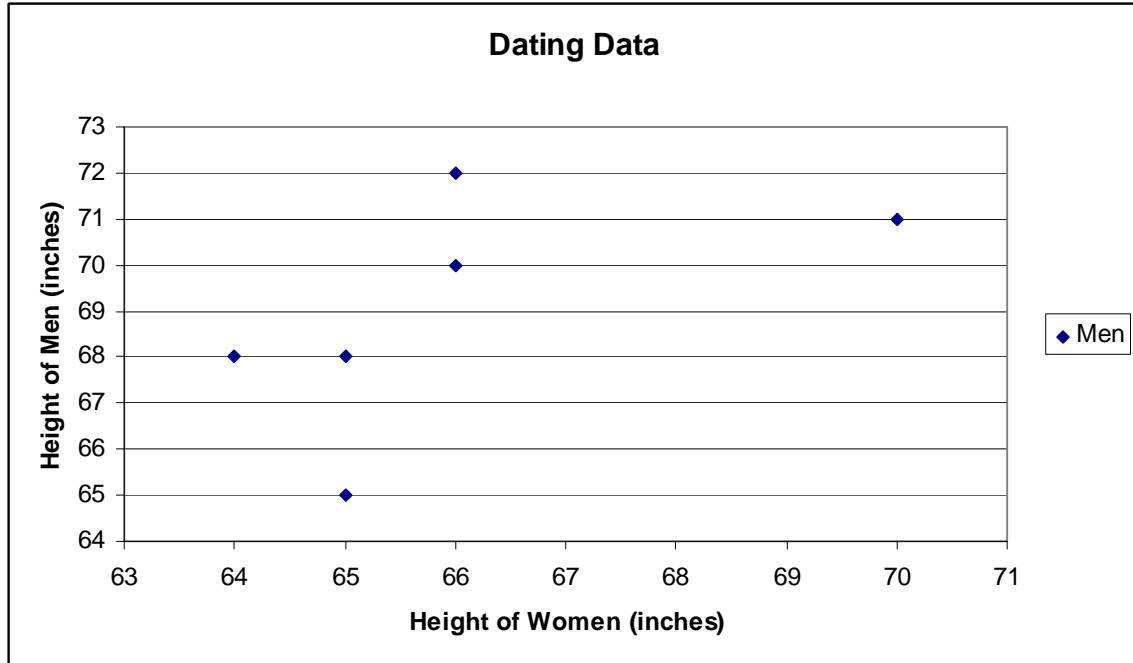


**Key for Chapter 4 problems 4.24a, and 4.28.
Graded out of 20 points.**

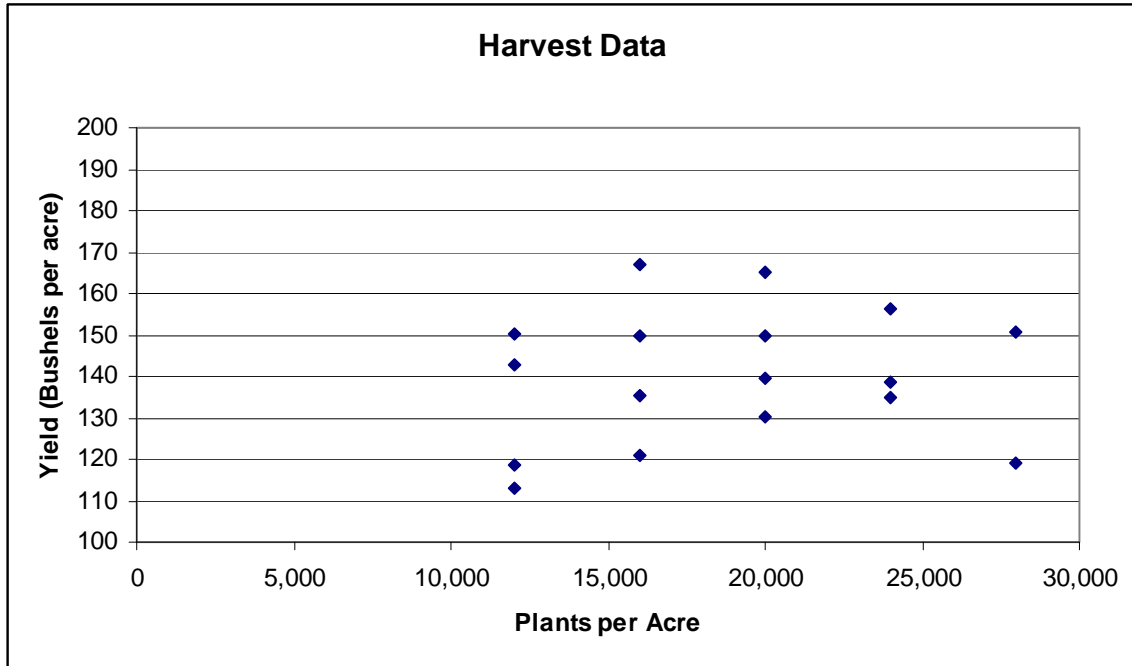
4.24) a)



The correlation would be positive. It would not have an extremely high r-value, nor would it be 0. (*The correlation turns out to be approximately 0.56.*)

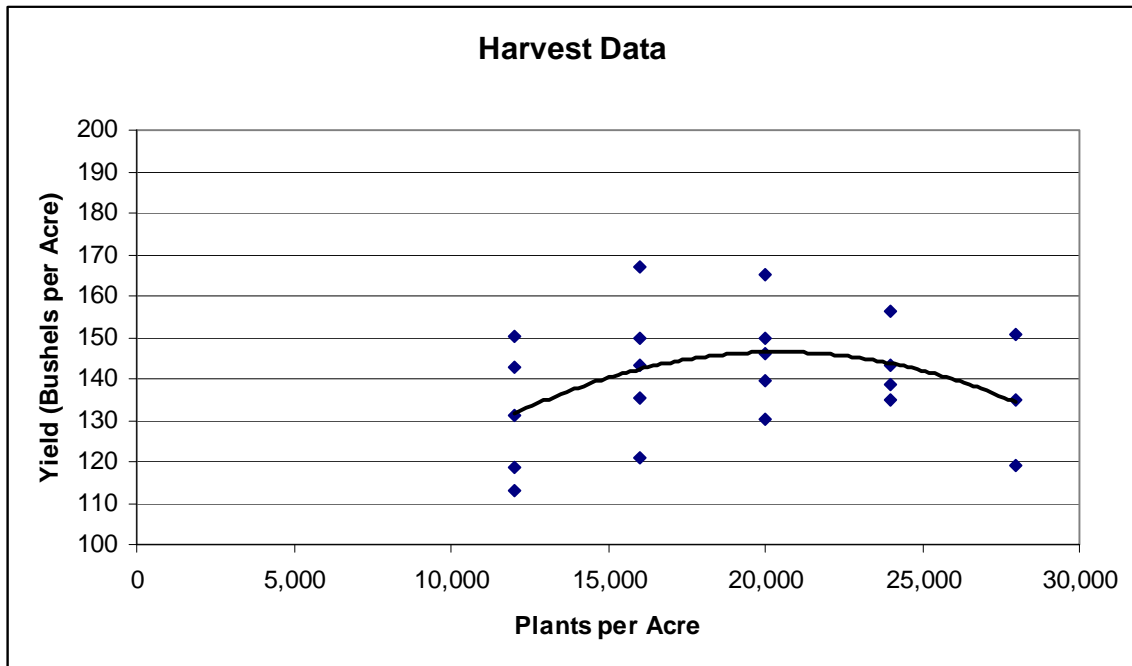
4.28) a) Here planting rate is the explanatory variable. (Yield is the response variable.)

b)



c) The pattern appears to have a peak. This data does NOT look linear. The association would probably be close to 0 since the values for high plants/acre are as low as those for yield. The correlation coefficient will not really be helpful. (*The correlation is close to 0.13.*)

d)



A planting rate of 20,000 plants per acre should be recommended as it has the highest average yield.