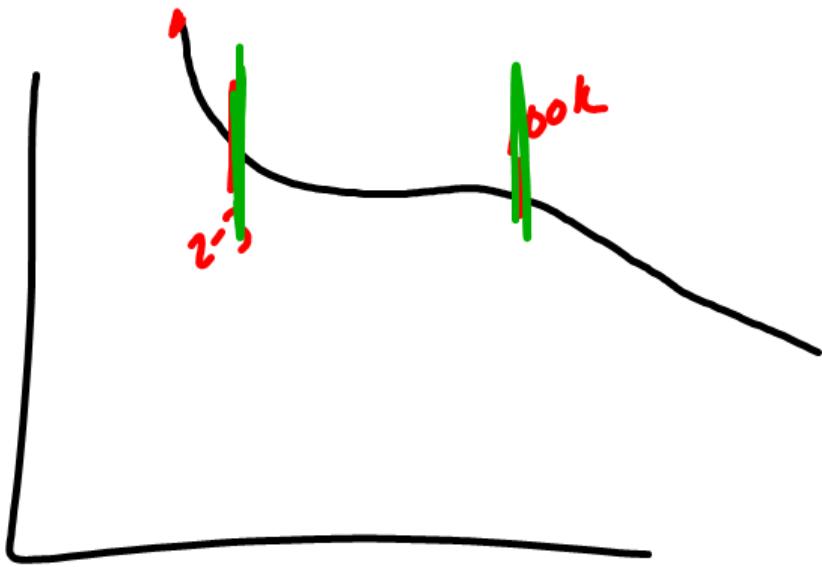
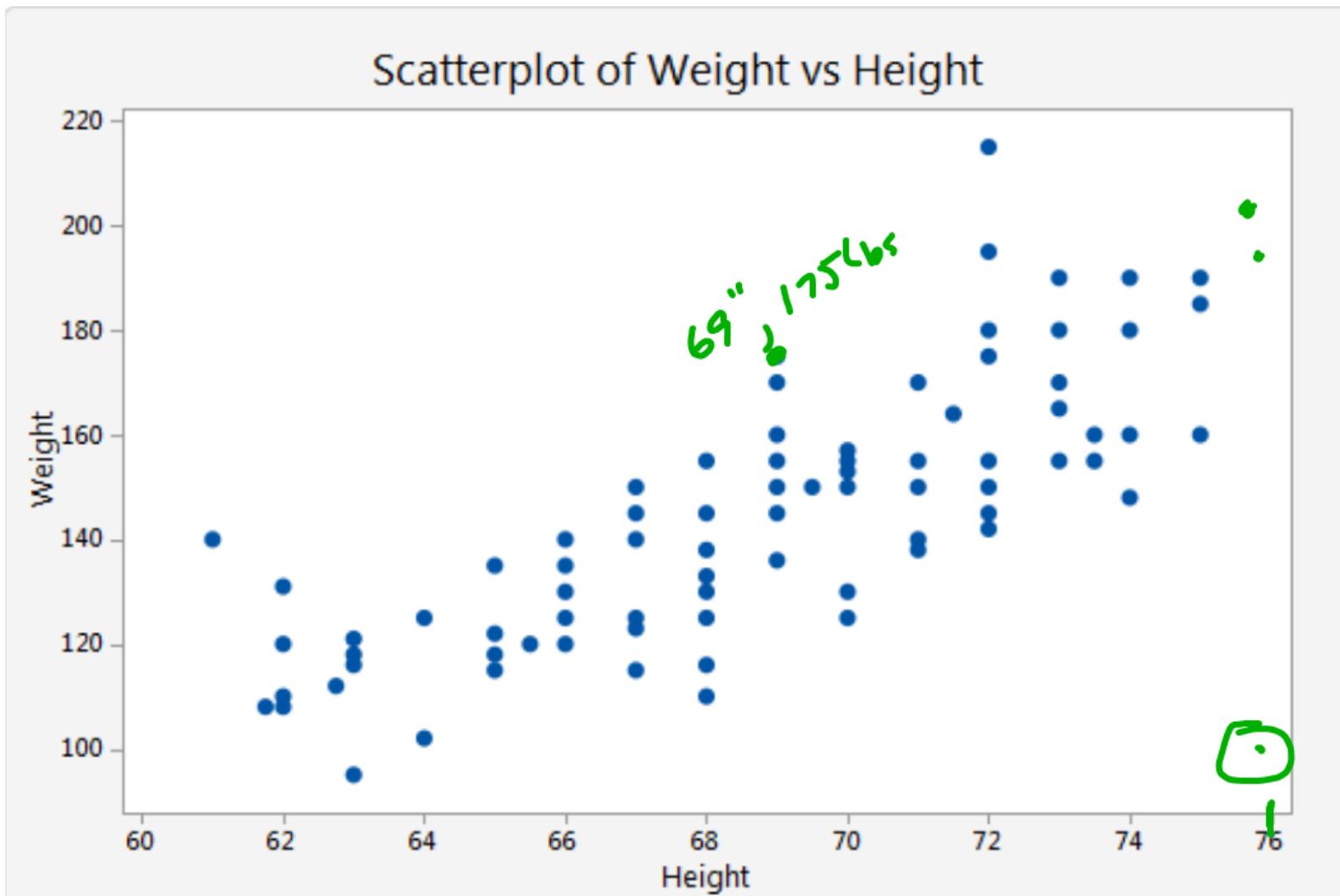
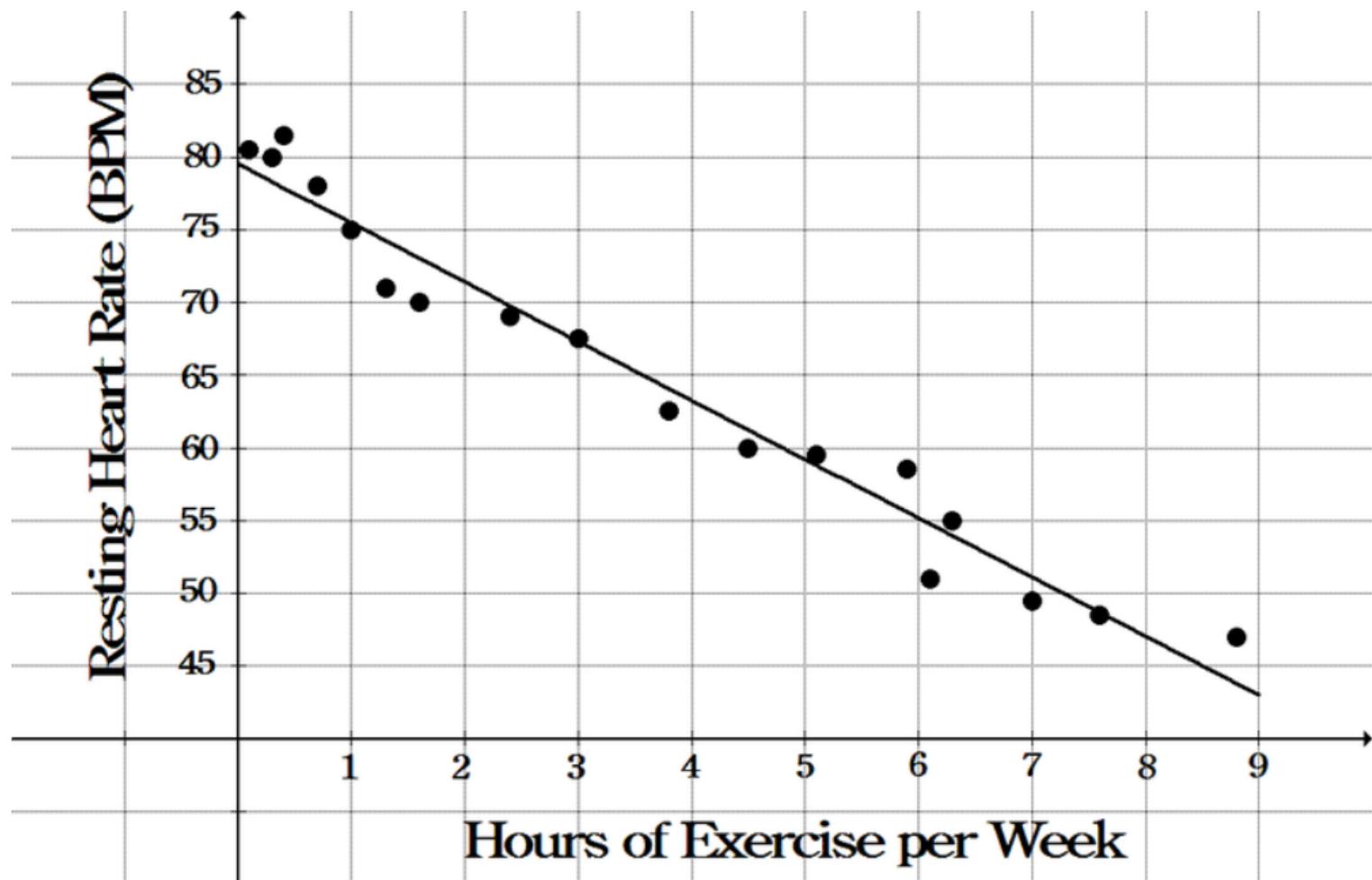


Ch 2 Quiz 1 results



You own a restaurant...how do you decide how many servers/cooks to have working???



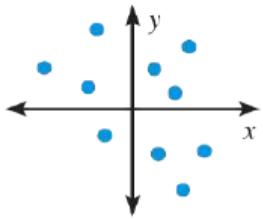


2.5: Scatter Plots & Prediction Equation

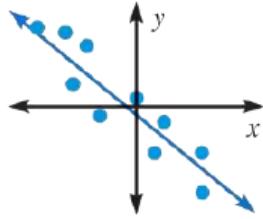
What does correlation mean?

What is a scatterplot?

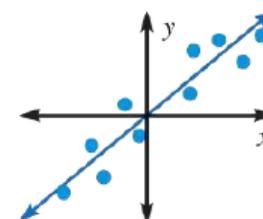
Matching



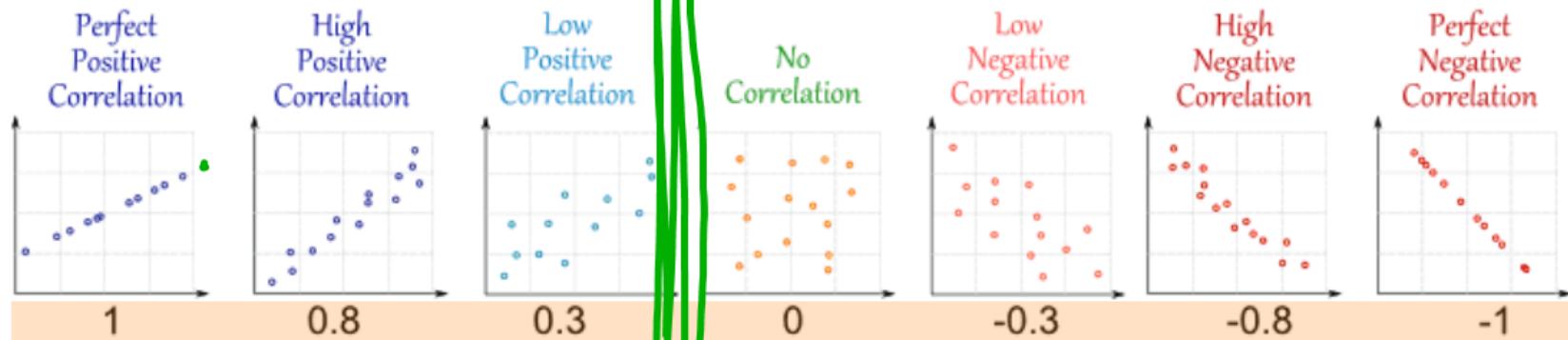
No Correlation



Negative Correlation



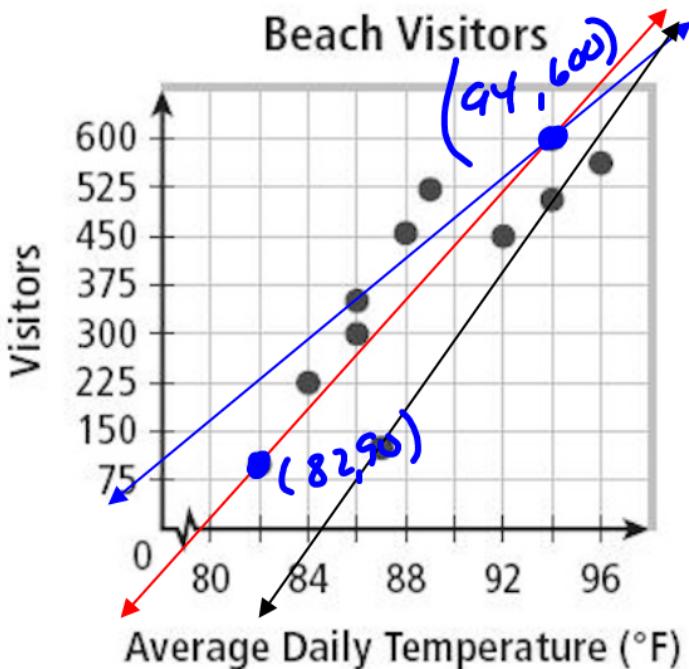
Positive Correlation



100%

36%

Correlation Coefficient



Line of best fit to predict...

How many visitors if temp is 100?

FIND THE EQUATION
FOR THE LINE OF BEST
FIT.

$$y - y_1 = m(x - x_1)$$

$$y - 90 = 47.5(x - 82)$$

$$y - 90 = 47.5x - 3895 \\ + 90 \quad + 90$$

$$y = 47.5x - 3805$$

$$m = \frac{600 - 90}{94 - 82} = \frac{510}{12} = 47.5$$

$$y = 47.5(100) - 3805 \\ 4750 - 3805 \\ = 945$$

Math Practice:
p96(3-6,10,22-25)



The handwritten annotations consist of two green curly braces. The first brace groups the numbers 3, 4, and 5, with the number 5 written below it. The second brace groups the numbers 22 and 25, with the word "review" written below it.