Stats 10 Howeverk 3 Yongqian Li 004997466 slope implies that for each additional inch in the IA Weight, there is on average 1.5417 inch additional themself a. The number of square feet in the home, 30-a. The processment variable is the Mother's because there are less scatter in the dependent variable is Doughter's part B than in part A. Height. b- By knowing the number of square feet No Predicted Dughtor's Height = 29.92 + 0.547 Nother's Height =29.92 + 0.5417.60 because there is a stronger -62.422 relationship between the number of quare b. From the graph, the predicted Daughter's feet and the value than the number of fireplaces and the value. Height lis about 62 inches d. The intercept itself does not make sense The negative trend shows that as the start negative correlation between and start year. in this case It only senes to adjust the height of the line. A point in the top-left corner of this C. There are many other factors such as father's height of family's income. scatter plot represent the professory who has the highest solony and the start year is 1985; a point near the 32. a from the graph, the predicted price is bottom - night corner represents the about 320 thousand dollars. professor who receives the lowest sulary b. Predicted Price = -11.77 + 0.1146 Suft and whose start year is 2003 =-11.77 +0.1146 · 3000 =332.03 (thousand dollars) 10. It has very little trend, because the The particular gathered 34. a. Predicted Foot = 567+0,998 Hand points there is I lot of scatter. = 0.948 · 1.168 14. No, it would not make some to find the C. a = y-bx correlation for this data at beause the = 23.318 - 0.998 17.689 trend is obviously not linear. According to the graph, at appreximately d. Alex y=567+0998x the age of 27 the highest fertility = 5.67 + 0.998 · 18 =23.634 (cm) 40. ≠ estimation: r = - | land the conclution is ] 18 - 0.903 B 0.374 <u>A</u> The reason is that about all points in the 0.777 C graph almost fall on the same straight line.

