Regression Exploration Questions

1. Collect data on the arm-span and height of 10 or more people. Let the arm-span be the independent variable and the height be the dependent variable. Plot these points with the Regression applet. Discuss the relationship you see. Is this a positive or negative correlation? What do you think the correlation coefficient for this data set would be?

2. Draw the line of best fit that you would imagine for this data. Why did you draw the line where you did? Were there any points that greatly influenced your decision? Given the data that you gathered, how do you think the line of best fit would look with a collection of data from 40 people? Why do you think it would look that way?

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