

1.

Name: _____ Date: _____ Period: _____

Scatter Plot Activity: It's All Scattered!

Purpose:

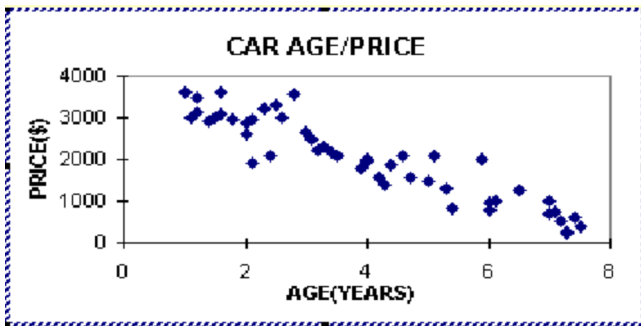
To develop your understanding of scatter plots. You should be able to interpret and analyze scatter plots, as well as make predictions of what the data will show.

Directions:

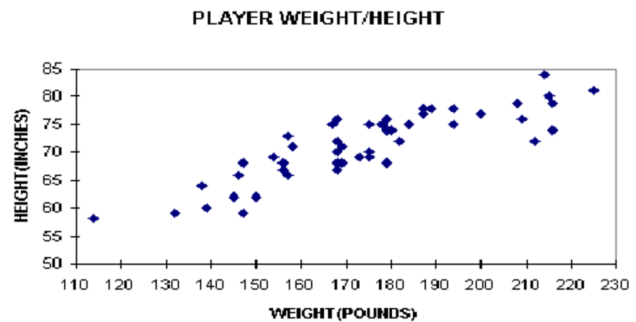
Look at each of the five graphs and answer the following questions with your group. These questions should be answered for each graph.

1. What is each graph comparing? What pattern or trend do you see for each graph?
2. What can you determine about each graph?
3. What will happen if the graph were extended?
4. What kind of correlation do you see for each graph? i.e. positive, negative, none

A.

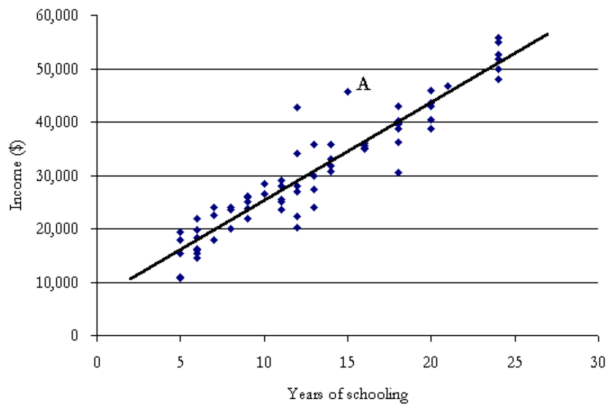


B.

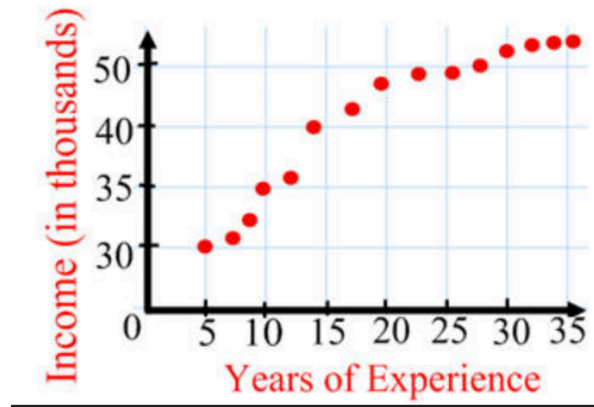


C.

Figure 1: Income versus years of education

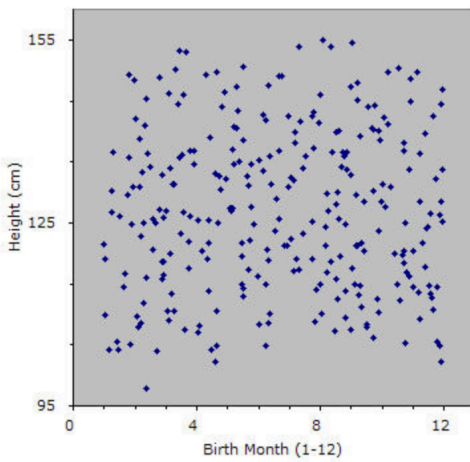


D.



E.

Boys' Height vs. Birth Month
(simulated data)



Debrief:

1. Can this same data be presented in any other way? If so, how?
2. What is another comparison that has a negative correlation?
3. What is the significance for the graph for E?
4. What other topic would be interesting to investigate?