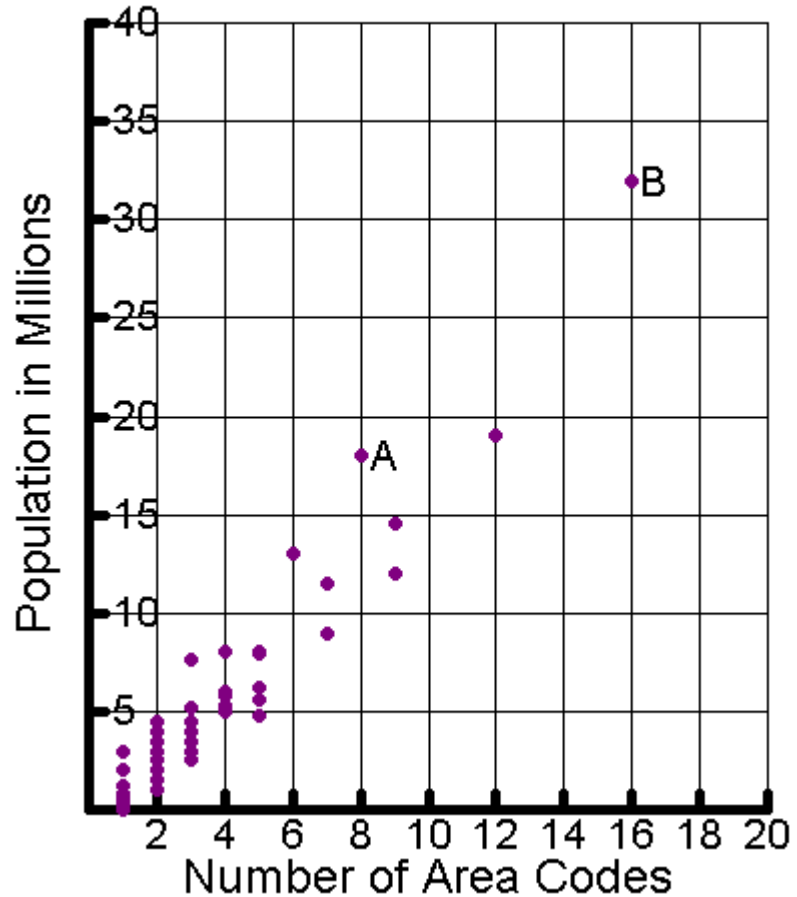


Alg Stats 2.3a

Reading Scatter Plots

1) Examine the graph to find out how state populations are related to the number of telephone area codes? Explain what you see.

Area Codes and State Population



2) Explain what point A shows.

3) What is the population at point B?

How many area codes does point B have?

Guess what state might be represented by point B.

4) Label the point which might be Utah—label it C. Explain your placement.

5) Predict the population for a state with 18 area codes.

6) Draw a line on the graph which would help you make predictions. This line should show a sort of “average” of the relationship between state population and number of area codes.

We’ll call this line “the line of best fit”. This means that the line is the best line to fit the relationship between state populations and the number of area codes.

Explain how you made your line.

