Inspiring Greatness

INDEPENDENCE SCHOOL DISTRICT

Math Virtual Learning

Algebra 1 S2

May 19th, 2020

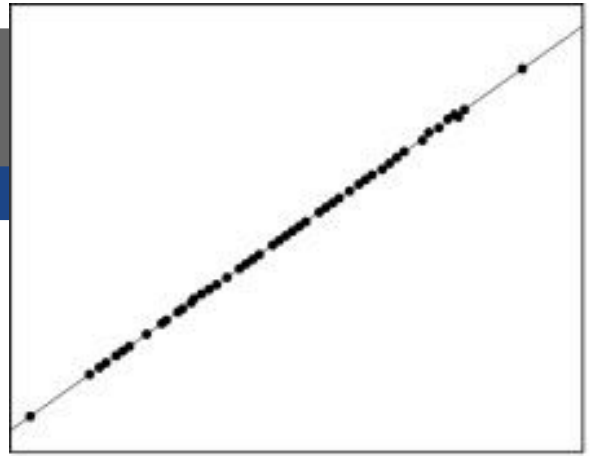
Algebra 1 S2
Lesson: May 19th, 2020

Learning Target:

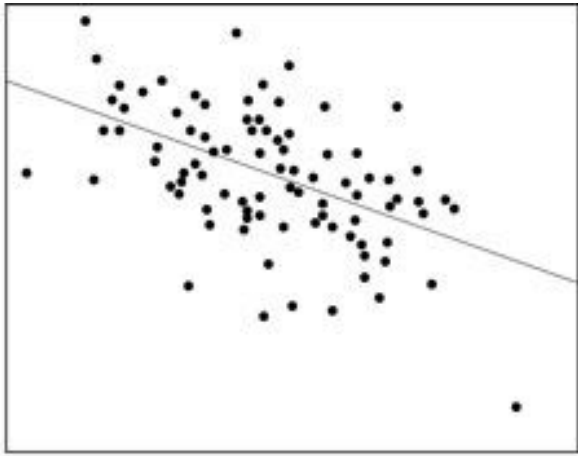
Students will determine the correlation coefficient, *r*, of a set of bivariate data and use it to explain the strength of the linear relationship of the data.

Warm-up

Identify the direction of the correlation in each graph (positive or negative).

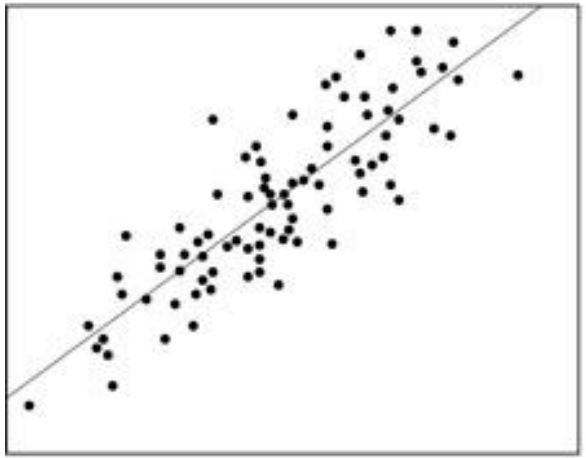


a

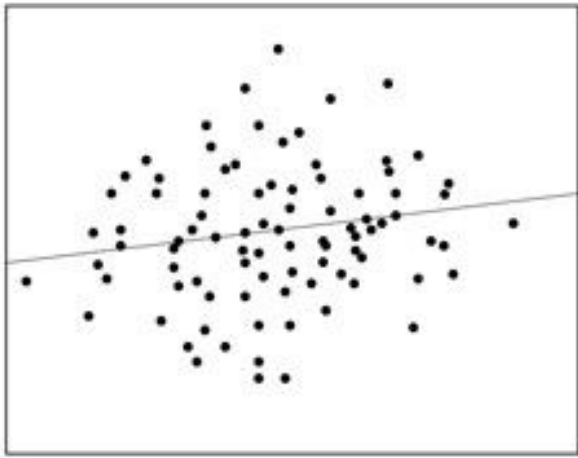


b

Put in order the strength of the linear relationship in each graph from highest to lowest. In other words, which data set is modeled the best by a line? Which is modeled the worst by a line?



c

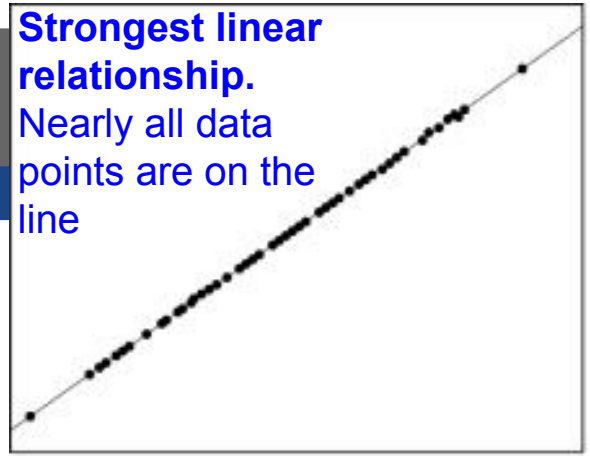


d

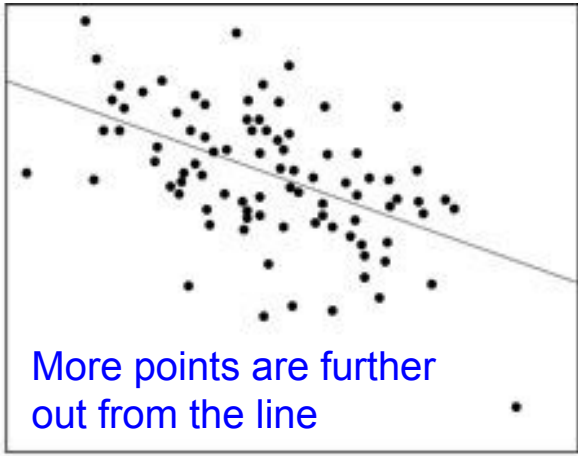
Warm-up

Data sets in a, c, and d have a positive correlation. Data set b has negative correlation.

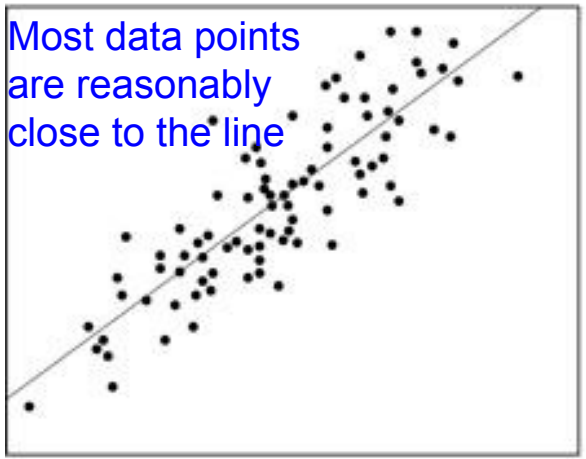
Strength of the linear relationship from strongest to weakest:
Graph A
Graph C
Graph B
Graph D



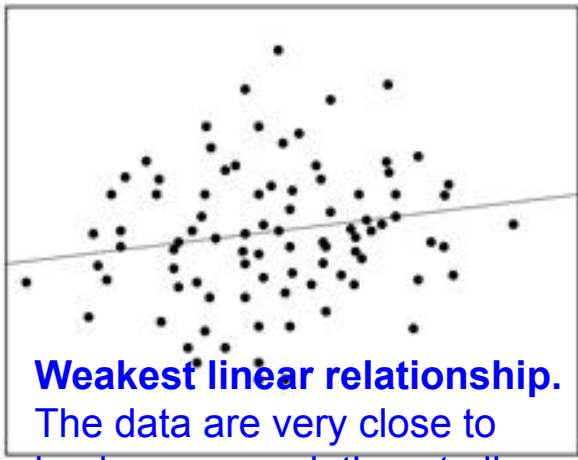
a



b



c



d

Today's Lesson

In today's lesson students will determine the correlation coefficient, *r*, and use it to explain the strength of the linear relationship of the data.

Here are the Lesson Notes for today. Watch the video and follow along with the notes.

Independent Practice

Complete the Independent Practice for today's lesson and then check your work with the Key.

Additional Practice:

Click on the links below to get additional practice and to check your understanding!

Correlation Coefficient Quiz

Practice matching the graphs with the appropriate correlation coefficient.