
STUDENT HANDOUT

3. Is there someone's height and arm span that you would consider an outlier (sticks out from rest of data)? _____

4. Add an extreme outlier to the data set; pick any numbers you want within reason (i.e., pick an extremely tall or short person).

Then recalculate the measures of central tendency.

I added in: _____

Arm Span

Height

Mean: _____

Mean: _____

Median: _____

Median: _____

Mode: _____

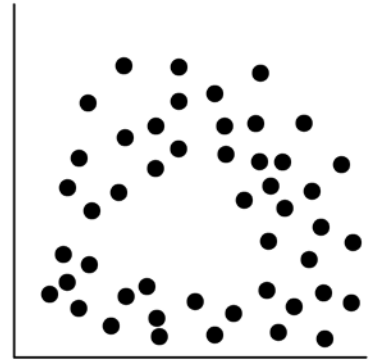
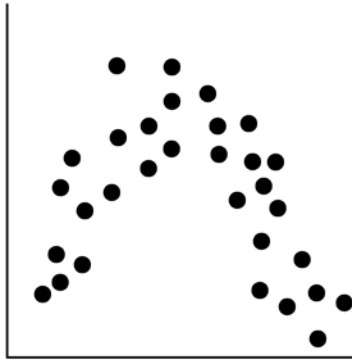
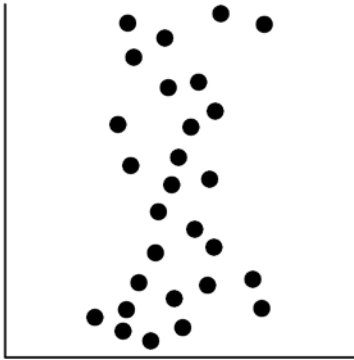
Mode: _____

5. Was the mean, median or mode affected by your outlier? Explain why or why not. _____

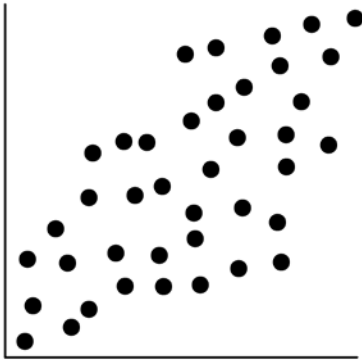
STUDENT HANDOUT

Here are some examples of correlation (the relationship between two variables). How would you label our class's data?

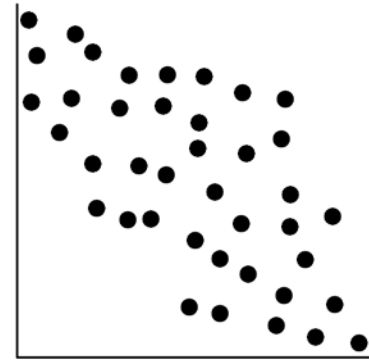
I would classify our class's data as having: _____



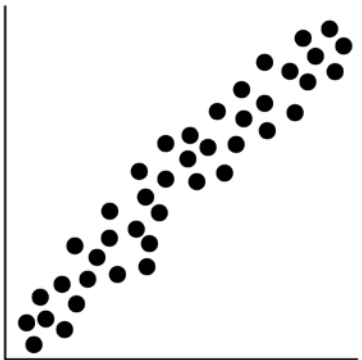
No linear correlations



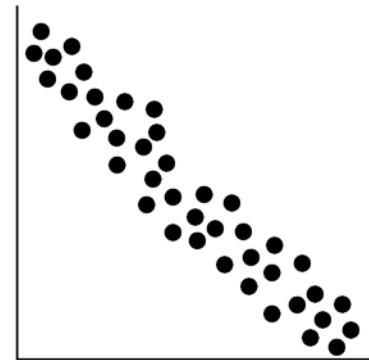
Weak positive linear correlations



Weak negative linear correlations



Strong positive linear correlations



Strong negative linear correlations
