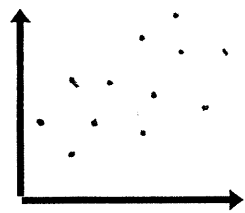

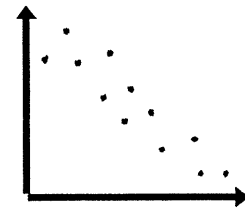
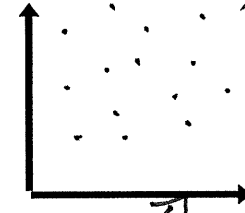

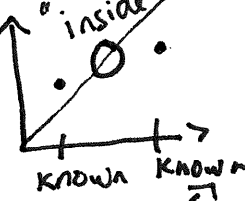
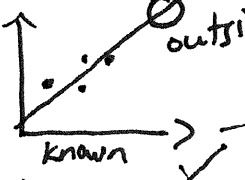


Trend lines, clusters, outliers, and residuals

Name: \_\_\_\_\_

Day 1 Notes

Objective: I can identify clustering and outliers on a scatterplot. I can create a trend line for a scatterplot and use it to predict data.

Word	Defintion	Example
Scatter Plot	a graph that represents two different sets of data by displaying them as <u>ordered pairs</u>	
Positive Correlation	y tends to <u>increase</u> as x increases	
Negative Correlation	y tends to <u>decrease</u> as x increases	
No Correlation	x and y show no discernible <u>relation</u>	
Trend line	a line on a <u>scatterplot</u> , drawn near the points, that shows a correlation	
Interpolation "inside"	the process of estimating <u>between</u> two <u>known</u> values	
Extrapolation "outside"	process of predicting a value <u>outside</u> the range of known values	
Line of best fit	a <u>trendline</u> that shows the relationship between two sets of data most accurately	