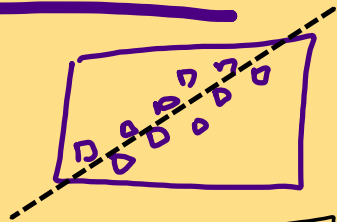
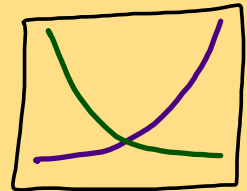


REGRESSION

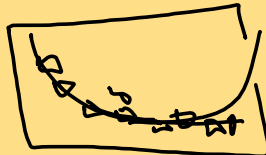
Linear



Exponential



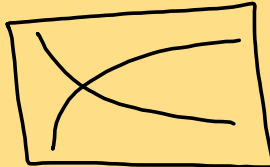
Quadratic



Power
 $y = a x^b$



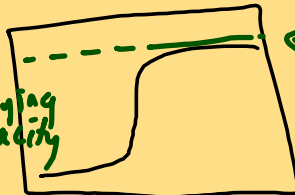
Logarithmic



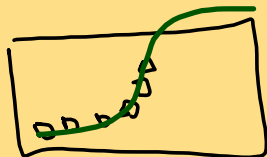
x^2
 x^3
 $x^{1/2}$
 $x^{1/3}$

Logistic

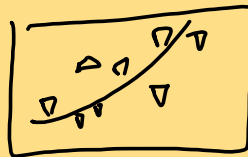
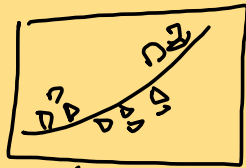
$$y = \frac{c}{1 + ae^{-bx}}$$



← carrying capacity



1) Are the points evenly balanced on either side of the curve?

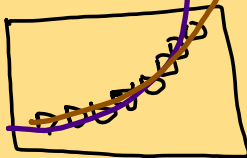


No

2) r^2 = coefficient of determination
how accurately the curve fits the points.

r = correlation coefficient
measures the strength of the relationship
between the x + y -coordinates

3) Does the model predict the future accurately?



* Run the regression on the spreadsheet

Know x

Find y

Table

Know y

Find x

Graph & Intersect