

Hypothesis
Control
Treatment A
Treatment B

Hypothesize,
"no effect"
 $A = C$
Hypothesis
"effect"
 $B > C$

Regression

Linear use 1 explanatory variable

predictive

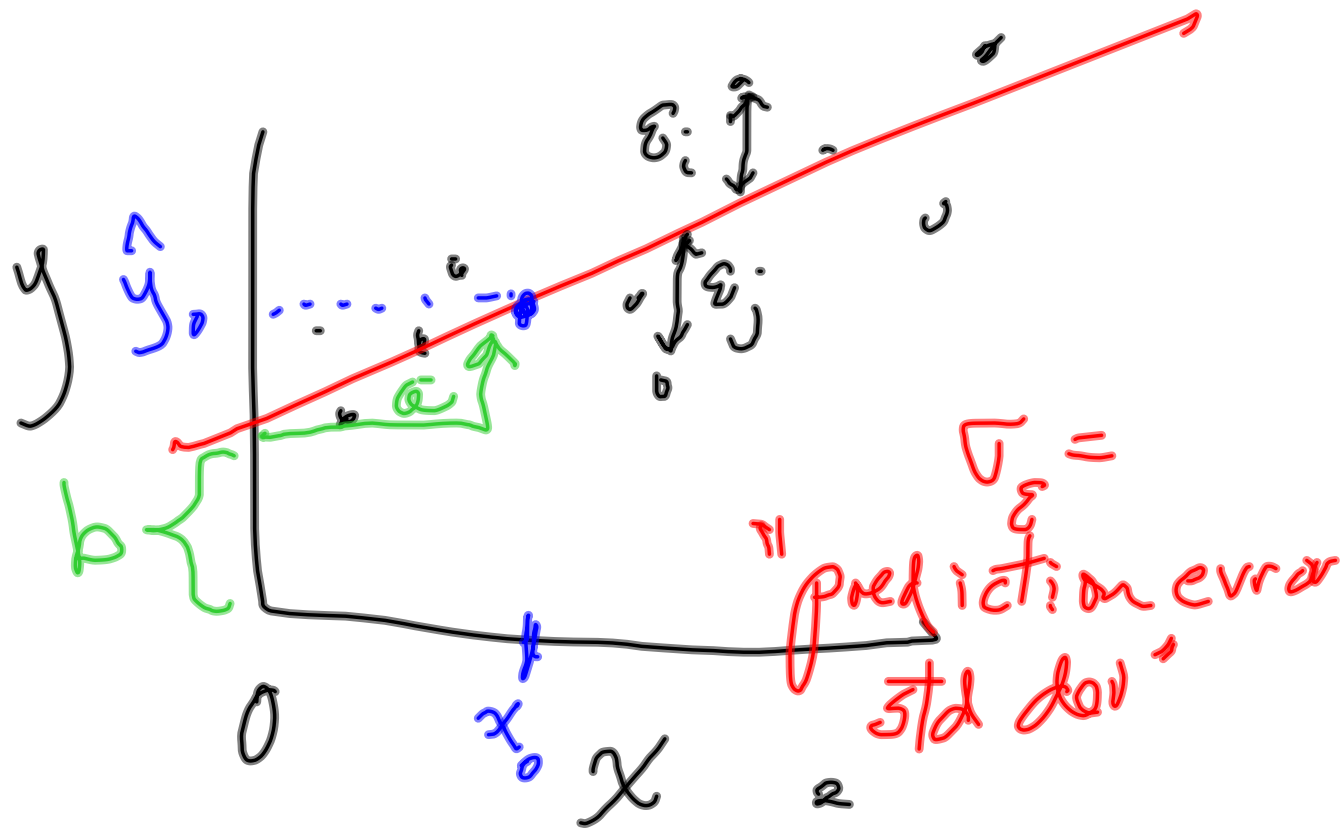
$$y_i = a x_i + b + \epsilon_i$$

"dependent"
try to predict
"independent"
measured

"residual"
"error"

error standard
 $\bar{\epsilon} = 0$ "constant"

"coefficients"
"parameters"



variance not
 accounted for by
 the regression

$$= \frac{\sigma_{\epsilon}^2}{\sigma_y^2}$$