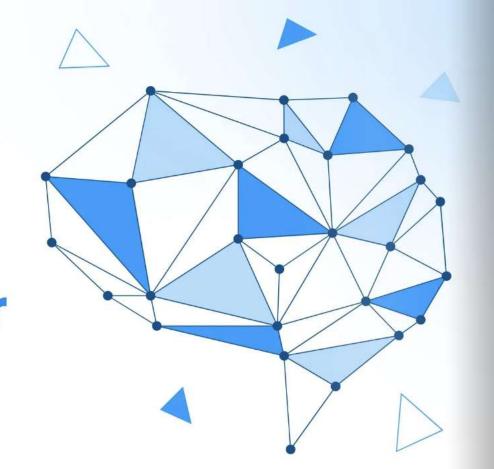
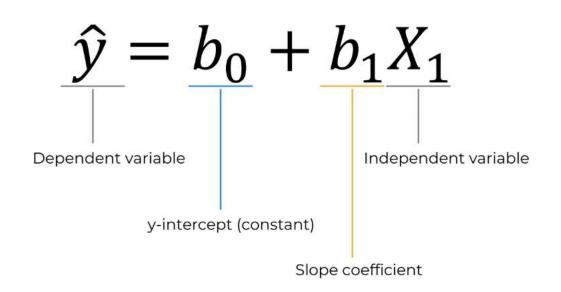
Simple Linear Regression



Simple Linear Regression





Simple Linear Regression





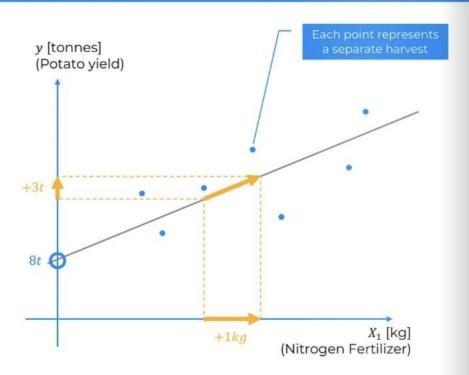


$$\hat{y} = b_0 + b_1 X_1$$

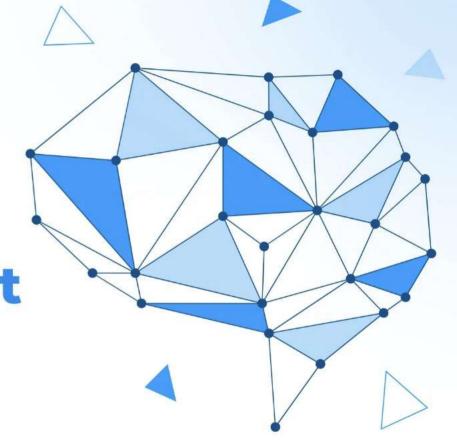
 $Potatoes[t] = b_0 + b_1 \times Fertilizer[kg]$

$$b_0 = 8[t]$$

$$b_1 = 3\left[\frac{t}{ka}\right]$$



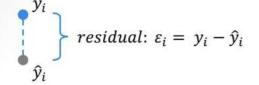
Ordinary Least Squares



Simple Linear Regression



Ordinary Least Squares:



$$\hat{y} = b_0 + b_1 X_1$$

 b_0 , b_1 such that:

 $SUM(y_i - \hat{y}_i)^2$ is minimized

