Polynomial Linear Regression

Regressions

Simple Linear Regression

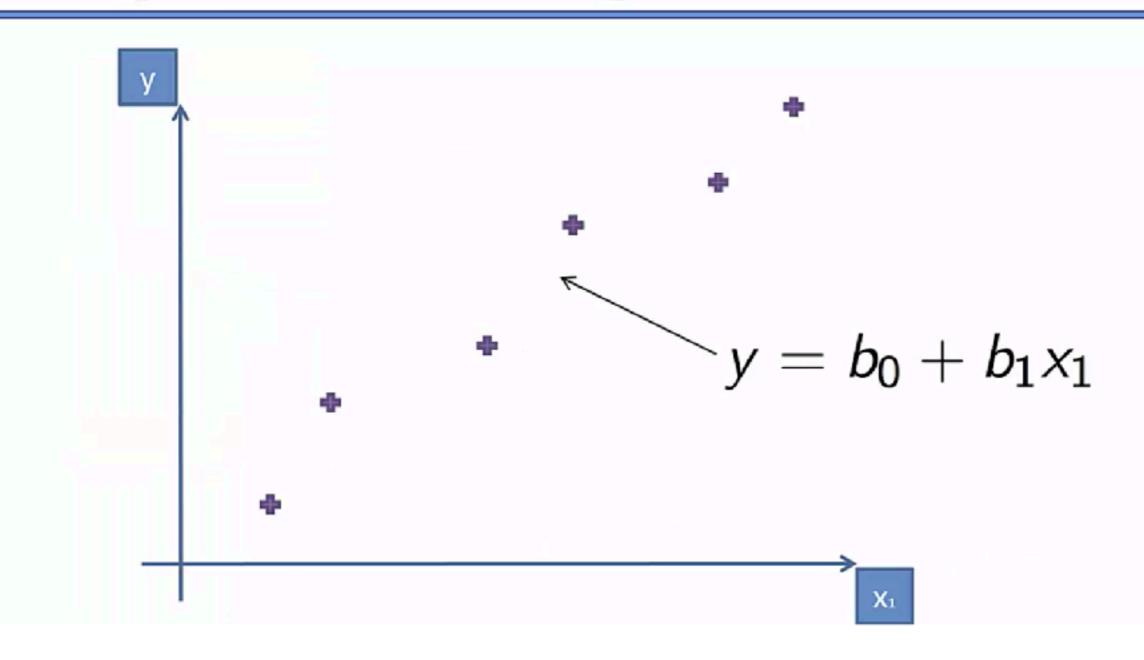
$$y=b_0+b_1x_1$$

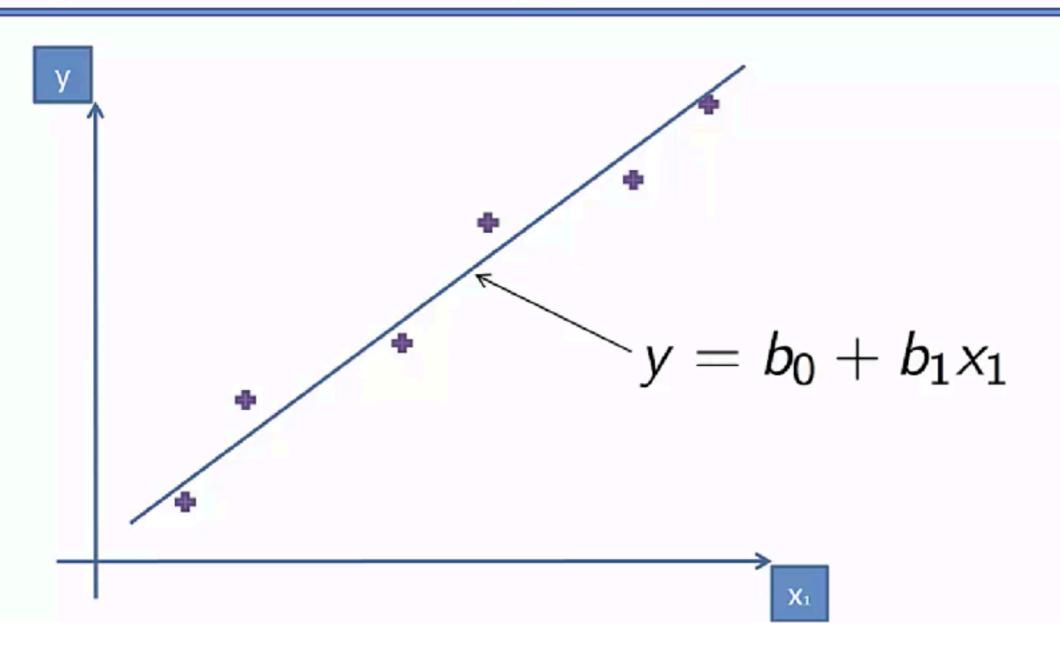
Multiple Linear Regression

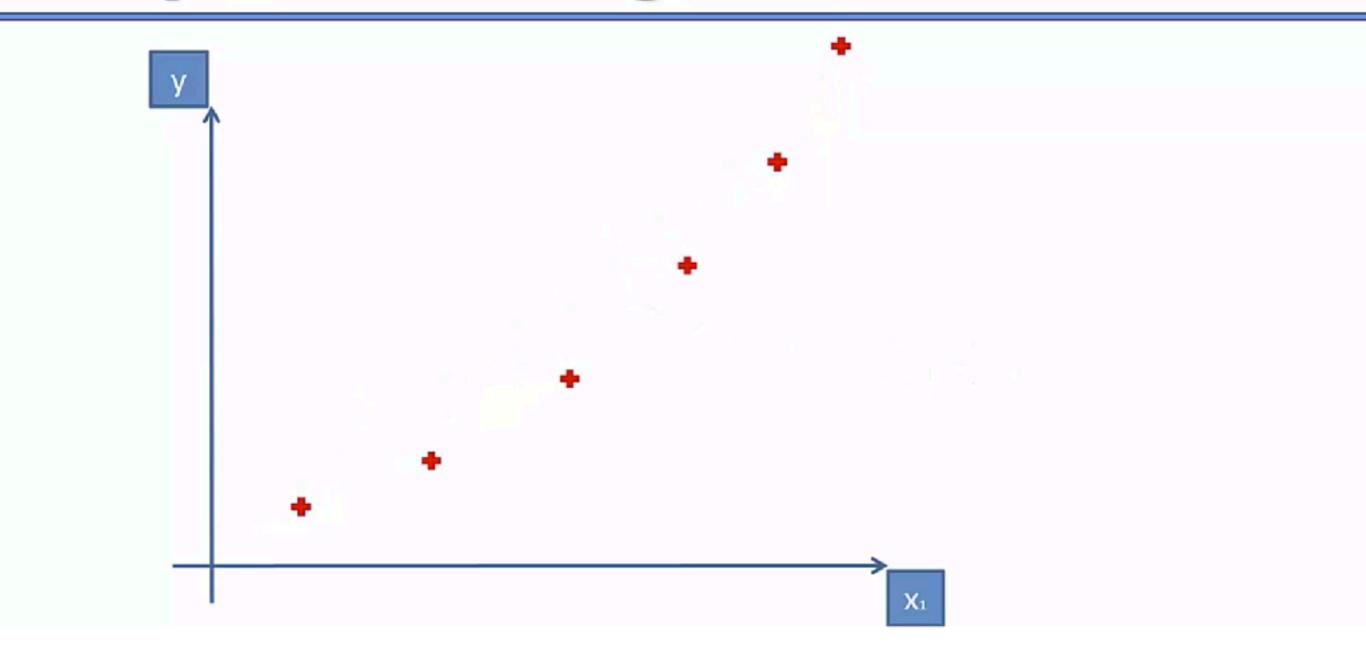
$$y = b_0 + b_1 x_1 + b_2 x_2 + ... + b_n x_n$$

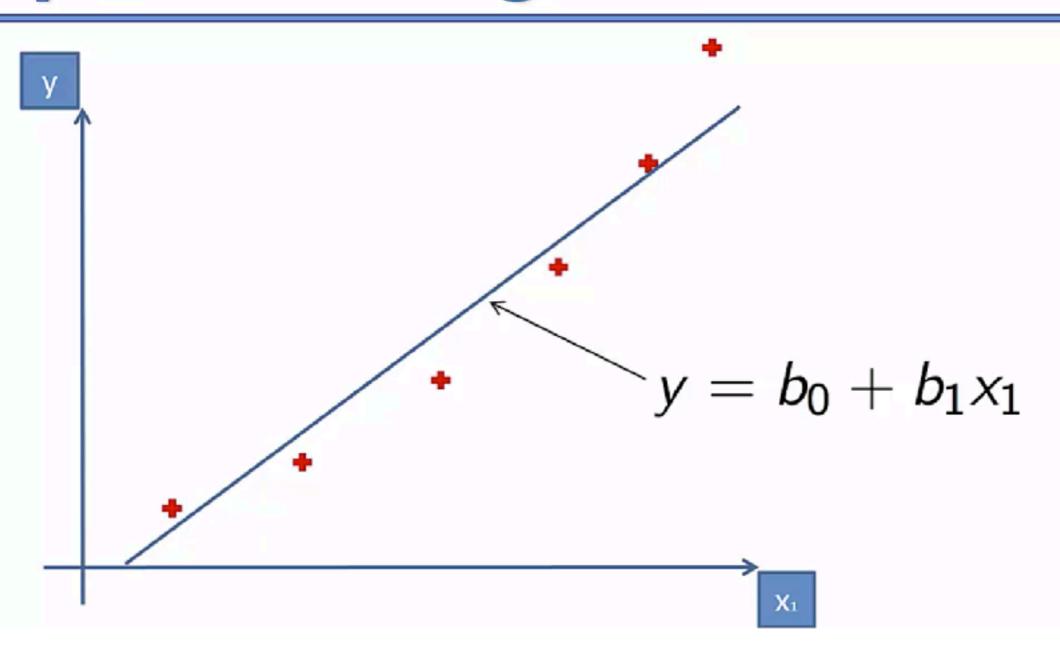
Polynomial Linear Regression

$$y = b_0 + b_1 x_1 + b_2 x_1^2 + ... + b_n x_1^n$$

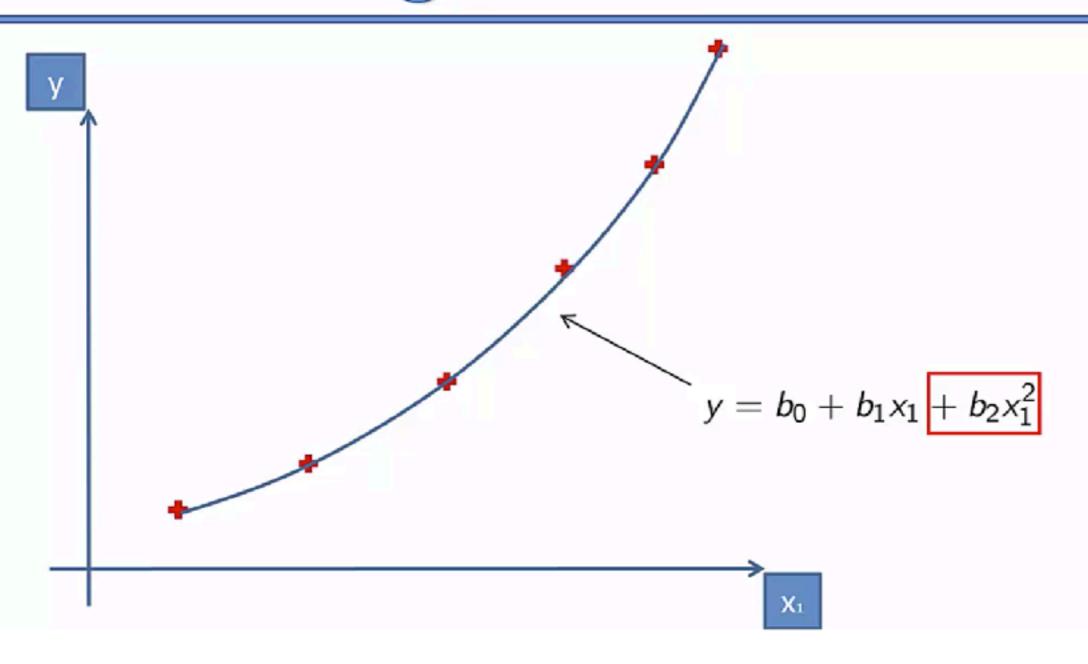








Polinomial Regression



Why We Call it Linear?

Its all about Coefficients

Polynomial Linear Regression

$$y = b_0 + b_1 x_1 + b_2 x_1^2 + ... + b_n x_1^n$$