X, X2, X3, ..., Xp - Predyktory, 2 mienne melalezne * Bill input variables, features, cechy metry" prostobnos $X = (X_1, X_2, X_3, ..., X_p) \in \mathbb{R}^7$ rolu builtony I - output, response, dependent variable ? nicpoznavalna 848 lematzerna 2alomos! RLECZYWISTOSC Y = f(X) + E/ losowość szum / nicpoznawalna $M(0, 0^2)$

Y = f(x)MODEL pwydizona estymata (puyblizeme) f sontant saltene E-bkol (aug. ervor) $E(Y-Y)^2 = E[f(x) + \varepsilon - f(x)]^2$ $= |f(x) - \hat{f}(x)|^2 + Vav(\varepsilon)$

Shtudowa redulovalna

Sutadowa vieusuwalna Metaly parametryane

Pujmijem, ie:

$$\hat{f}(X) = \beta_0 + \beta_1 \times_1 + \beta_2 \times_2 + \dots \beta_p \times_p$$

$$b \quad a$$

$$y = a \times + 6$$

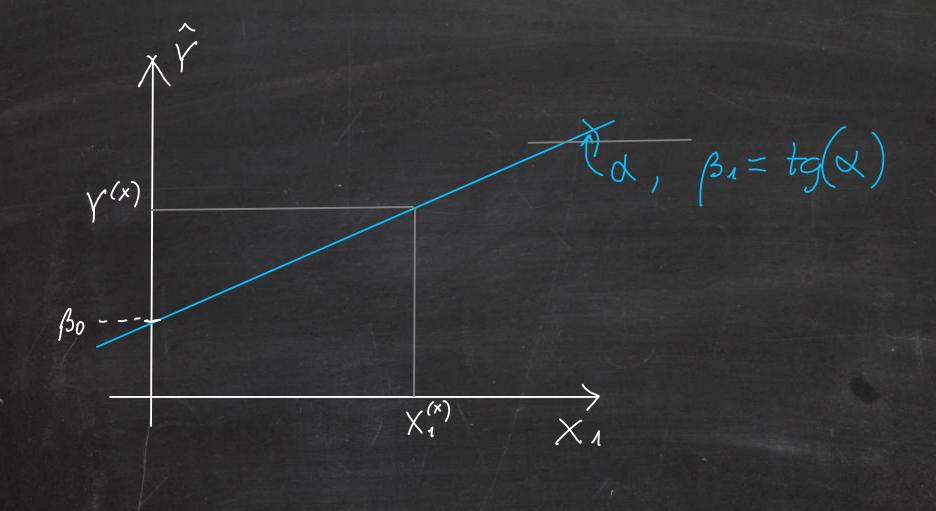
Na potwely clalayer vorsans my milmy, re $X = (X_1)$

gotte X1-powendnia miestania

INTERCEPT SLOPE

$$\hat{Y} = \hat{f}(X) = \beta_0 + \beta_1 X_1$$

7000: Wyznawyć Bo i B1



Motoda ny mnignych hwadratow

