Polynomial Regression

→ Multi-col ⇒ VIF → ↑ M → bad col => DGD / Mini - Batch GD -> predict (X, weight)

ab-dot(x, weight) wt. x Joadient (X, y, weight)

y-pred =

grad

> 2 w np. dot (w, x) np. dot (x, w)

def cost (x, x, weight):

y-bred

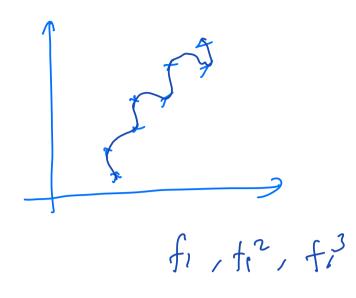
e =

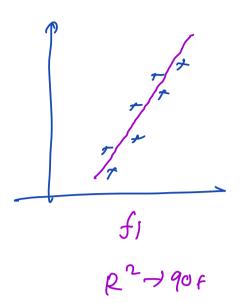
def create_onioi_batcher(\times , y, batch_size]:

data = hstack(\times , y) np. Dandon, shoffle (data) $conf = \frac{100 \times 100}{100 \times 100}$ $t = \frac{100 \times 100}{100}$ $t = \frac{100 \times 100}{100}$

 C_1 C_2 C_3 - + C_{160} yPCA RFE 3 1 (mu)0) 0] loc colums => LR II R2 Adj R2 Adj R 2 = 0.8 1000 Adj 22 = 0.9 Ascak: 12:05

Polynomial Regression





Generalization

test -> R2

(2) Occum rajor

Lincar: fi

Quard: fi,fi² Cubic: fi,fi²

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Fest err H

yi = Wo+ WIII + W2 12 + W7 1, + W1 19

w, two for two to

Ur 2