UNDERSTANDING Pj IN COORDINATE DESCENT

Pj = \(\frac{N}{\chi_i} \) \(\frac{\chi_j}{\chi_i} \) \(\frac{\chi_j}{\chi_i} \) \(\frac{\chi_j}{\chi_i} \)

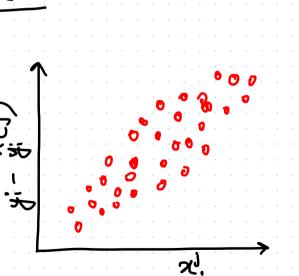
UNDERSTANDING PJ IN COORDINATE DESCENT

$$Pj = \sum_{i=1}^{N} \chi_{i} \left(y_{i} - y_{i}^{Ej} \right)$$

$$CASE 1$$

$$\chi_{i}^{j} \quad \text{STRONG} \quad tv \in \quad Corr.$$

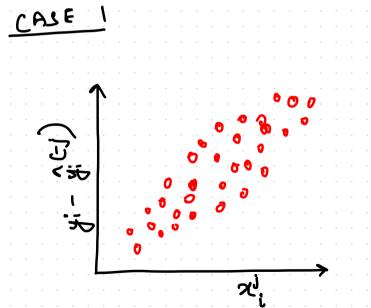
$$Vi \quad \text{WITH} \quad y_{i}^{j} - y_{i}^{Ej}$$



UNDERSTANDING Pj IN COORDINATE DESCENT

UNDERSTANDING
$$Pj = \sum_{i=1}^{N} x_i (y_i - y_i)$$

$$E = \sum_{i=1}^{N} x_i (y_i - y_i)$$

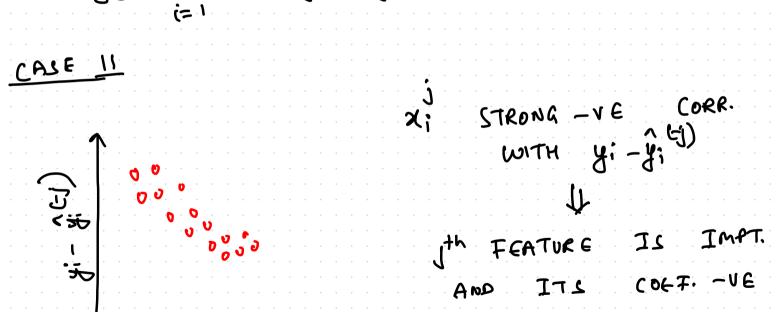


X; STRONG TVE CORR.
WITH Y: -Y; jth FEATURE IS IMPT.

AND ITS COEFFICIENT

THE UNDERSTANDING Pj IN COORDINATE DESCENT

$$\beta_{j} = \sum_{i=1}^{N} x_{i} \left(y_{i} - y_{i}^{(-j)} \right)$$



UNDERSTANDING Pj IN COORDINATE DESCENT

$$\beta_{j} = \sum_{i=1}^{N} x_{i} \left(y_{i} - y_{i}^{(-j)} \right)$$

