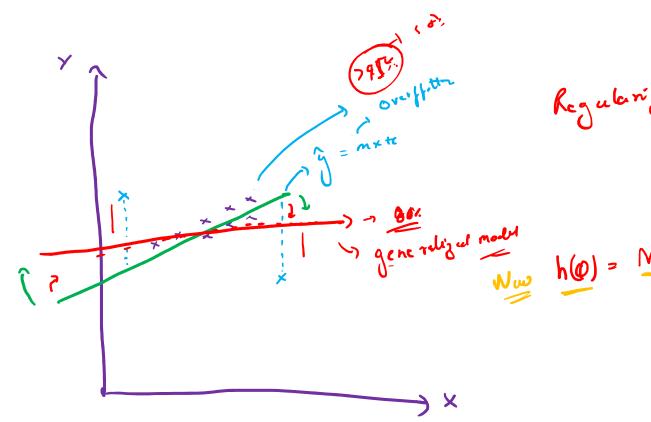
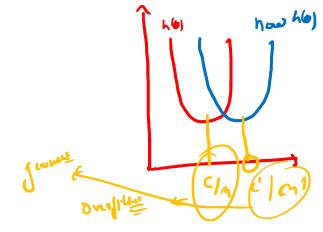
-> Regularization -> To counter the problem of overjetting



Regularization
4 Add a Penalty for
over filth
to ne cort f



- L, Regularization (dasso lynemien) Penalty =) > \( \lambda \lambd Sam or of Canus on Public -> QAY--> L2 Regularijation (Ridge Regration) Penalty =>  $\lambda \leq m_i^2 \Rightarrow \lambda \left(m_1^2 + m_2^2 + m_3^2\right)$ ha) - MSE + > & mi Strick | mer (hum) Conum

$$\hat{y} = m_1 x_1 + m_2 x_2 + \cdots + m_n x_n + C$$

$$\sum_{i=1}^{N} |m_i| = \lambda \quad (|m_1| + |m_2| + |m_3| + \cdots + |m_n|)$$

$$\Rightarrow \text{ Liky. } \Rightarrow \text{ he} \quad \text{MSE} \quad + \lambda \leq |m_i|$$

1 Create a normal L.R. Model IJ. R2/ 41/82 > 0.95

Crise LI > Lasso Ry-excitant) > (yet by - Ridge Rigrossian)

(Conjare (L, & Lz) b) choose that Ryubization