Legularization

(generalizing the model

train test

pull the Score Down

fo make train and test

end

end

end

Make the Coefficient smaller

Loss function => MSE Ir

finding in and b

finding in and b

finding in and b

and

finding in and b

and

finding in and b

of reduced

Loss Inchon: (MSE)+ whenever the value of m and b is choosen we need to add a every associated with mandb in I subject all with uncersny subject Concentrating CPPD, Politica, Concentrating (Ochnicient MSE + Coefficient J= (B) (B) 2 2 2 + Lidge Regression 7 = 0 => Linear Regression 7 = 1 => Overly compressing your Coefficient

Lasso Regression

NSE + 2 E B

Elastic (Med

Ridge + Lasso

MSE + Alx ($\frac{2}{5}$ $\frac{3}{5}$) + (1-2)($\frac{2}{1}$) $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ Ridge