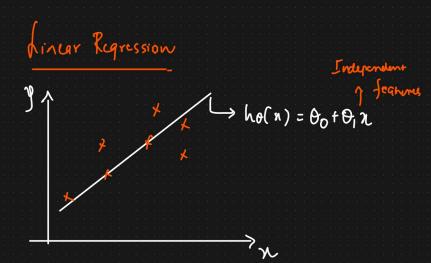
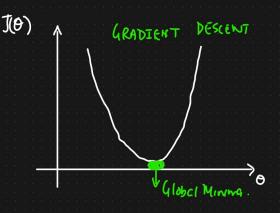
Ridge Regression, Lasso Regression, Elasticnet Regression

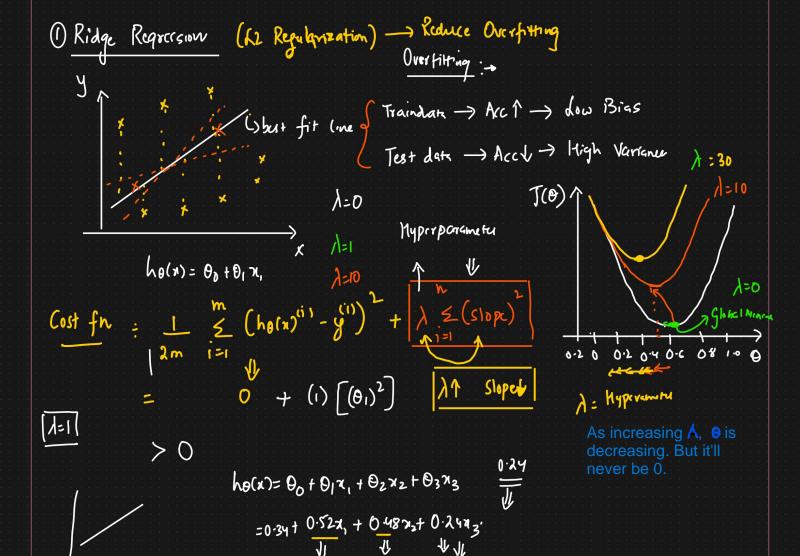


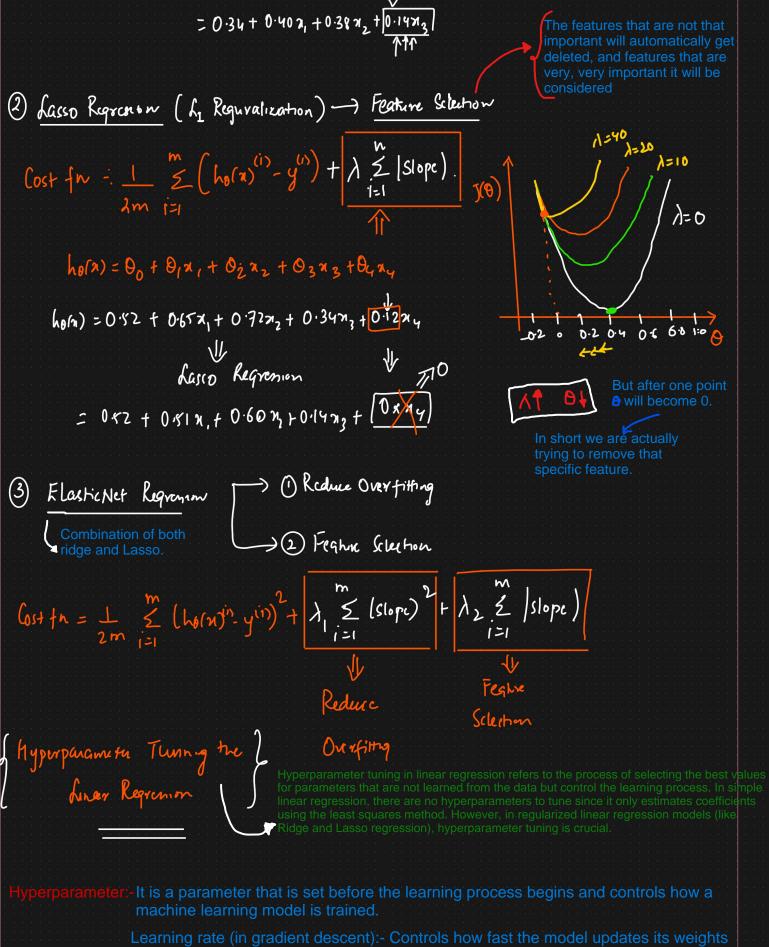


Cost fn = $\frac{1}{\lambda m} \left(h_{\theta}(x)^{ij} - y^{ij} \right)^{2}$

Mean Squared Error

movement in x.





Regularization strength (A) (in Ridge/Lasso regression)

Tuning: Tuning is the process of finding the best values for hyperparameters to improve model performance. The goal is to optimize a model's accuracy, minimize error, or balance biasvariance trade-off