1 Lass Regression [L1 Regularization] :-

$$= \left[(y_a - y_p)^2 + \lambda * |\text{Slope}| \right]$$

$\lambda = 0.01$ to ∞

$\lambda = 0$, $(y_a - y_p)^2$.

if $\lambda = 0$, then it will work like linear Regression.

When we have 60 to 100 features in dataset, then we can use L1 Regularization.

it is also use for feature selection

11] Ridge Regression : [L_2 Regularization] :-

$$= (y_a - y_p)^2 + \lambda (\text{slope})^2$$

When we are facing overfitting, then we can use Ridge Regression [L_2 Regularization]

iii] VIF :- Variance inflation factor.

→ VIF is used to detect the presence of Multicollinearity.