Homocedacity: That there is no pateern

Loss over mor orion DUD

Not don't I

Cofficient of Determinant. (χ_i, χ_i) (M3, (M3) Sum Square vorton = \(\frac{7}{4!} \cdot \frac{7}{2}\)
Sum Square residual (SSR) = \(\frac{7}{2} \cdot \frac{7}{3}\)

Coefficient of Dolorminant (R2)/Reguero = SSR = SSR SSE +SSR Thigher R2 better in my model. MAPE = Mean absolute parcontage Smon $= \underbrace{\begin{array}{c} (y-y) \\ (y-y) \end{array}}_{i=1} \underbrace{\begin{array}{c} (y-y) \\ (y) \end{array}}_{i}$ Uso this for showers data/ risult to management / marketting. The function / value which minimizes the RMSE.
MSE will also minimize RMSE. We use MSE as our for first Cost fur than for Linear Rograniar.

 $y(bia) = Q_1 x_1 + Q_2 x_2 + Q_3 x_3 + --- + Q_n x_n + C$ + E(vnn)For about equation there may be some non-significant features included in our model. (a) How to we dod with this problem if in significant fratures. And Adjusted $R^2 = \left(\frac{1-R^2}{n-b-1}\right)$ $= R^2 - \text{Coefficient of determinant } n = \text{number of number}$ $= R^2 - \text{Coefficient of determinant}$ $= R^2 - \text$

A y R' = punishes our model for adding insignificant towns to our model. Adjusted Rt will always be < Rt if we are larger than I Adj PER?
using all significant features than Adj PER? Mother atially Adj. R' con be '- we but in Had Couse our R2 will be very low honce there is some broklen with our mode drastically he will dittet this mode I mak a naw onl.

What about MSE for the Same problem
1) Ridge regression 2) Lano 3) Plastic Not Cost function (J(Q)) = MSE + Rogularization Ridge - MSE + 15 \(\sigma \) \

 $\sum_{i=1}^{\infty} Q_{i}^{i} = \begin{pmatrix} Q_{i} \\ Q_{i} \end{pmatrix}$ $\sum_{i=1}^{\infty} Q_{i}^{i} = \begin{pmatrix} Q_{i} \\ Q_{i} \end{pmatrix}$ => 10.81 Lasso = MSE(0) + L = 10i) Land helps us in finding in significant features.

Cas it graduces the weight of insignificant features to close to 0/2000.

 G^{-1} $0 = (x^{7} - x)$ for a data set of 1000 trows & calculate if well take 100 secs to calculate