Assumptions:

1 Linear Relationship



EDA. also check outliers.

(sensitive)

2) No multicollinearity.

test () correlation matrix

1 Variance Inflation Factor (VIF)

Fix by: centering data or remove var. with high VIF.

 $\begin{array}{c}
3.4.5 \\
\text{Vor} (\Sigma_i) = 0^2 \\
\text{Corr} (\Sigma_i) = 0
\end{array}$

- (3) etror terms should be normal

 check-by [titled residual plots, applot, Js test)

 visual

 visual

 typóthesis test

 by skew = log transform y

 - 2) outliers: => remove
 - 3 fat-tails: > huber-white heteroscedotions
 - (5) homoscedasticity Var (2:)=62.

chuck: B-P test

soilve: huber-white the error terms.

4 No autocorrelation in Data. correcti, Ej)=0 check serial correlation. B-G test