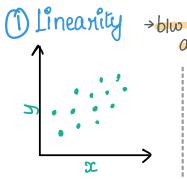
Linean Requession Assump



ensures

- * low biased model
- * avoid modeling non-linearity

>blw target and attributes

check

- * Scatten Plot
- * Peanson connelation

fix

- * Data transf. (eg! log)
- * use non-linear model

Multivariate Normality > residuals normaly distributed check

nesiduals

* Histogram, QQ Plot * Normality tests

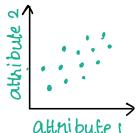
(eg ! Kolmogrov smillnov)

ensumes

- * model can explain data
- * Data comes from random dataset

* Use non-linear models

2) Multi Collinearity > high connection Volvo attributes



attribute 1 fix

- * PCA
- * Lamo, Ridge
- * Recunsive feature, elemination

ensures

- * causal inferience
- * explainable model

check

- * painwise plot
- beauson whi > 0.80
- * Variance Inflation

21>ho CONH 14 VIF45> mod COHM

VIF >5 > high conn

Auto connelati on

-> current residual dependent

on previous residual

ensures

* avoid modeling non-linearity

check

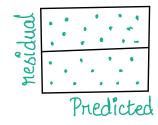
- * nesidual / time plot
- * Dunbin-Watson test

fix

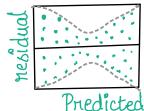
* Thy generalized least squares

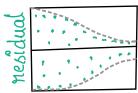
3) Flomoscadasticity > nesiduals with

constant variance



Homoscadasticity





Predicted

time

* data transformations

* weighted Hegression

ensures

* Outlien doesn't weigh down negnession

check

- * Breusch-Yegan test
- predicted-Inesidual