\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_#UTS EKONOMETRIKA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

library(nortest)

library(lmtest)

library(DescTools)

#memanggil data dengan dellim

data.septiana1=read.delim("clipboard")

data.septiana1

#model regresi berdanda

model.septiana1=lm(data.septiana1$y~data.septiana1$X1+data.septiana1$X2+data.septiana1$X3+data.septiana1$X4) #model.septiana1=lm(data.septiana1$Y~. data=data.septiana1)

model.septiana1

#melihat galat dengan model

eror=resid(model.septiana1)

eror

#uji normalitas

#H0=data telah normal

shapiro.test(eror)

#uji homokedastisitas

#h0 data telah homogen

bptest(model.septiana1)

#uji autokorelasi

# H0= data tidak ada autokorelasi

dwtest(model.septiana1)

#uji multikolinearitas

VIF(model.septiana1)

VIF(model.septiana1)

#transpormasi data normalitas

trans.log1=log10(data.septiana1)

trans.log1

model.transseptiana1=lm(trans.log1$y~trans.log1$X1+trans.log1$X2+trans.log1$X3+trans.log1$X4) #model.transeptiana=lm(trans.log1$Y~. data=trans.log1)

model.transseptiana1

eror=resid(model.transseptiana1)

eror

shapiro.test(eror)

#transpormasi data autokorelasi

trans.log2=log10(data.septiana1)

trans.log2

model.transseptiana2=lm(trans.log2$y~trans.log2$X1+trans.log2$X2+trans.log2$X3+trans.log2$X4) #model.transeptiana2=lm(trans.log2$Y~. data=trans.log2)

model.transseptiana2

eror1=resid(model.transseptiana2)

eror1

dwtest(model.transseptiana2)

trans.akarkuadrat1=sqrt(data.septiana1)

trans.akarkuadrat1

model.transseptiana3=lm(trans.akarkuadrat1$y~trans.akarkuadrat1$X1+trans.akarkuadrat1$X2+trans.akarkuadrat1$X3+trans.akarkuadrat1$X4) #model.transeptiana=lm(trans.akarkuadrat1$Y~. data=trans.akarkuadrat1)

model.transseptiana3

eror1=resid(model.transseptiana3)

eror1

dwtest(model.transseptiana3)

trans.eksponen1=exp(data.septiana1)

trans.eksponen1

model.transseptiana4=lm(trans.eksponen1$y~trans.eksponen1$X1+trans.eksponen1$X2+trans.eksponen1$X3+trans.eksponen1$X4) #model.transseptiana4=lm(trans.eksponen1$y~. data=trans.eksponen1)

model.transseptiana4

dwtest(model.transseptiana4)

trans.kuadrat=(data.septiana1)^2

trans.kuadrat

model.transseptiana5=lm(trans.kuadrat$y~trans.kuadrat$X1+trans.kuadrat$X2+trans.kuadrat$X3+trans.kuadrat$X4) #model.transseptiana=lm(trans.kuadrat$y~. data=trans.kuadrat)

model.transseptiana5

dwtest(model.transseptiana5)

trans.kubik=(data.septiana1)^3

trans.kubik

model.transseptiana6=lm(trans.kubik$y~trans.kubik$X1+trans.kubik$X2+trans.kubik$X3+trans.kubik$X4) #model.transseptiana=lm(trans.kubik$y~. data=trans.kubik)

model.transseptiana6

dwtest(model.transseptiana6)

trans.asin=asin(data.septiana1)

trans.asin

model.transseptiana7=lm(trans.asin$Y~trans.asin$X1+trans.asin$X2+trans.asin$X3+trans.asin$X4) #model.transseptiana7=lm(trans.asin$Y~. data=trans.asin)

model.transseptiana7

dwtest(model.transseptiana7)\_\_\_\_\_\_\_\_\_\_#KUIS EKONOMETRIKA

library(nortest)

library(lmtest)

library(DescTools)

#memanggil data dengan dellim

data.sep=read.delim("clipboard")

data.sep

#model regresi berganda

model.sep=lm(data.sep$KEUNTUNGAN.PENJUALAN~data.sep$JUMLAH.KARYAWAN+data.sep$PRODUKSI+data.sep$DISKON+data.sep$JUMLAH.OUTET+data.sep$JAM.KERJA) #model.sep=lm(data.sep$KEUNTUNGAN.PENJUALAN~. data=data.sep)

model.sep

#uji autokorelasi

# H0= data tidak ada autokorelasi

dwtest(model.sep)

#uji multikolinearitas

VIF(model.sep) #mutikolinearitas

#uji homokedastisitas

#h0 data telah homogen

bptest(model.sep)