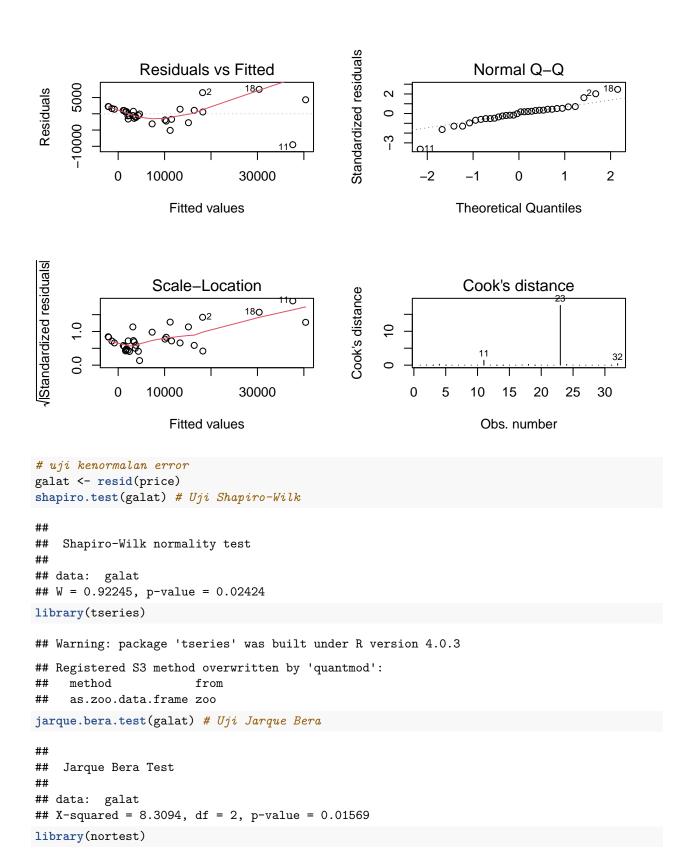
## rcode\_saham.R

## Fathur

## 2020-10-26

```
setwd("c:/RMFR/materi_26102020/rcode/")
saham <- read.table("saham.txt",header=TRUE)</pre>
price <- lm(price~pe+eps+roi+roe+bv, data=saham)</pre>
summary(price)
##
## Call:
## lm(formula = price ~ pe + eps + roi + roe + bv, data = saham)
## Residuals:
##
      Min
               1Q Median
                               30
                                      Max
## -9511.7 -1452.0
                   245.7 1152.9 7525.9
## Coefficients:
##
                Estimate Std. Error t value Pr(>|t|)
## (Intercept) -2875.1411 1309.0799 -2.196 0.0372 *
                 -9.1001
                          11.9562 -0.761
                                              0.4534
## pe
## eps
                 -3.8971
                            7.5545 -0.516
                                              0.6103
                124.3549
                          214.9633 0.578
                                              0.5679
## roi
## roe
                70.6034
                          207.2762
                                    0.341
                                              0.7361
                  3.8976
                             0.2566 15.188 1.93e-14 ***
## bv
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 3353 on 26 degrees of freedom
## Multiple R-squared: 0.9252, Adjusted R-squared: 0.9108
## F-statistic: 64.32 on 5 and 26 DF, p-value: 8.336e-14
# Uji asumsi multikolinieritas
library(car)
vif(price)
                   eps
                            roi
                                      roe
          ре
## 1.096377 5.776259 36.081309 44.468854 1.106299
# Uji asumsi heteroskedastisitas
library(lmtest)
## Loading required package: zoo
## Attaching package: 'zoo'
## The following objects are masked from 'package:base':
##
```

```
as.Date, as.Date.numeric
##
bptest(price, studentize=FALSE, data=saham)
##
## Breusch-Pagan test
##
## data: price
## BP = 43.178, df = 5, p-value = 3.401e-08
\# Uji asumsi autokorelasi
library(lmtest)
dwtest(price)
##
##
   Durbin-Watson test
##
## data: price
## DW = 2.2541, p-value = 0.7679
\#\# alternative hypothesis: true autocorrelation is greater than 0
bgtest(price, order=6)
##
## Breusch-Godfrey test for serial correlation of order up to 6
##
## data: price
## LM test = 5.9147, df = 6, p-value = 0.4328
# diagnosa kenormalan error dengan grafik
par(mfrow=c(2,2))
plot(price, which=c(1:4))
```



## Warning: package 'nortest' was built under R version 4.0.3

```
ad.test(galat) # Uji Anderson-Darling

##

## Anderson-Darling normality test

##

## data: galat

## A = 0.926, p-value = 0.01638

lillie.test(galat) # Uji Lilliefors/Kolmogorov-Smirnov

##

## Lilliefors (Kolmogorov-Smirnov) normality test

##

## data: galat

## D = 0.14364, p-value = 0.09146
```