

## Factors Affecting GDP Per Capita

The correlation coefficient between financial development level and GDP per Capita:

## [1] 0.9784351

The correlation coefficient between expenditure and GDP per Capita:

## [1] 0.990859

The correlation coefficient between urbanization rate and GDP per Capita:

## [1] 0.9918762

The correlation coefficient between opening level and GDP per Capita:

## [1] 0.7519271

The correlation coefficient between traffic infrastructure level and GDP per Capita:

## [1] 0.946492

The correlation coefficient between proportion of employed persons and GDP per Capita:

## [1] 0.7245931

The correlation coefficient between added value of primary industry and GDP per Capita:

## [1] -0.9868114

The correlation coefficient between added value of secondary industry and GDP per Capita:

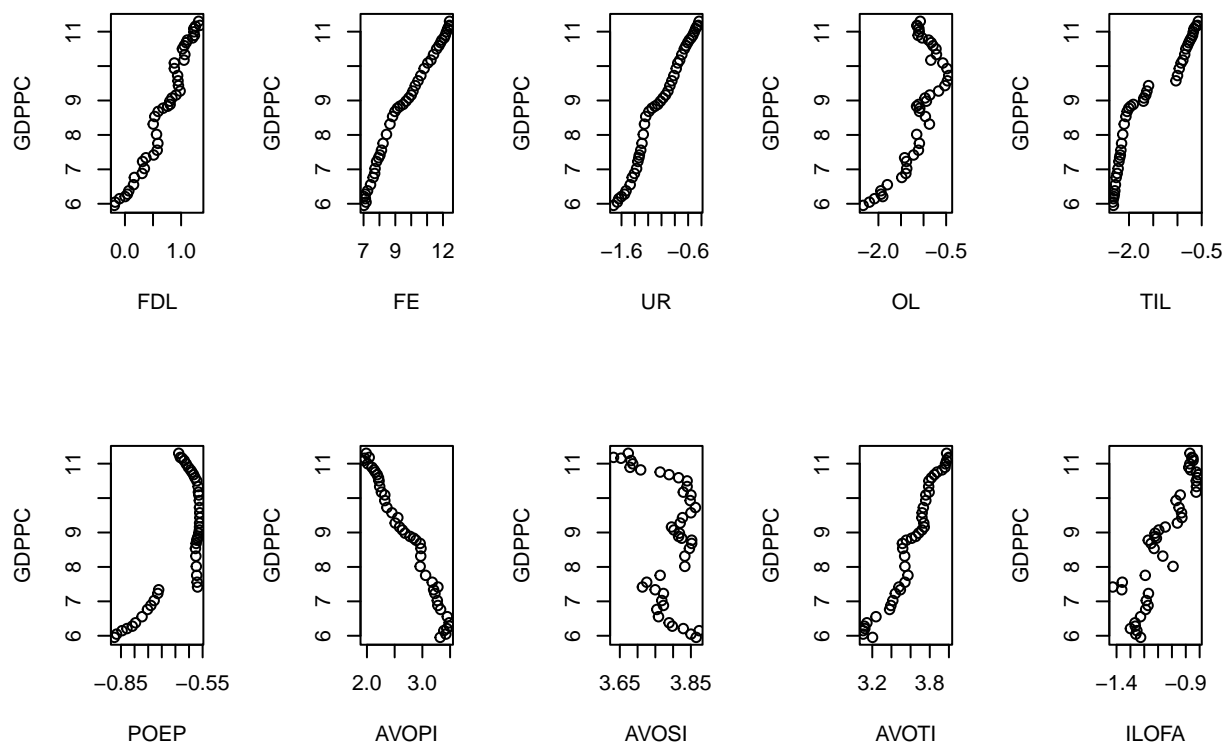
## [1] -0.3458829

The correlation coefficient between added value of tertiary industry and GDP per Capita:

## [1] 0.9714417

The correlation coefficient between investment level of fixed assets and GDP per Capita:

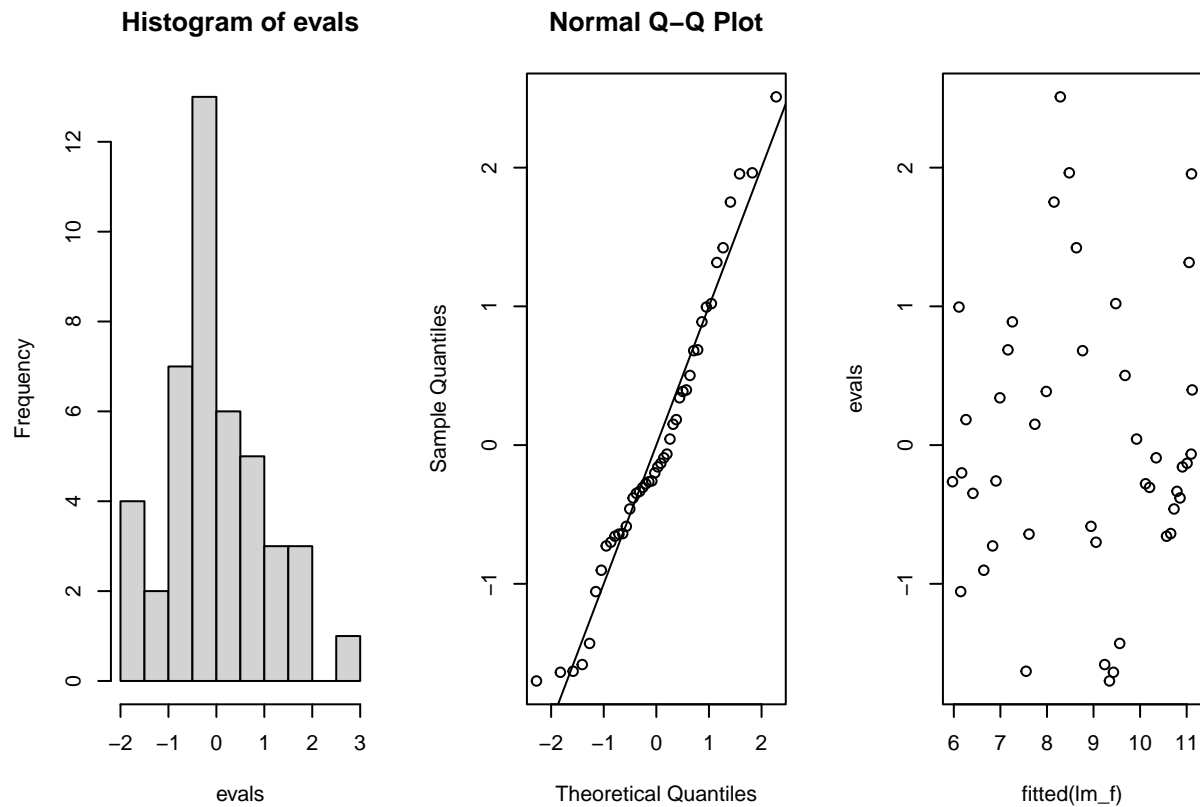
## [1] 0.9010151



```
lm_f <- lm(GDPPC~FDL+FE+UR+OL+TIL+POEP+AVOPI+AVOSI+AVOTI+ILOFA)
summary(lm_f)
```

```
##
## Call:
## lm(formula = GDPPC ~ FDL + FE + UR + OL + TIL + POEP + AVOPI +
##     AVOSI + AVOTI + ILOFA)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.18248 -0.06114 -0.01730  0.05258  0.24908
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   3.81044    7.83474   0.486  0.62993
## FDL           -0.71520    0.52971  -1.350  0.18615
## FE             0.65999    0.24286   2.718  0.01039 *
## UR            2.28835    1.30141   1.758  0.08796 .
## OL            -0.16975    0.20735  -0.819  0.41886
## TIL           -0.53620    0.20890  -2.567  0.01499 *
## POEP          2.76821    0.97135   2.850  0.00748 **
## AVOPI         -0.24230    0.54953  -0.441  0.66214
## AVOSI          0.67000    0.95953   0.698  0.48990
## AVOTI          0.06211    0.69851   0.089  0.92968
## ILOFA         -0.09845    0.31256  -0.315  0.75476
## ---
```

```
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1129 on 33 degrees of freedom
## Multiple R-squared:  0.9967, Adjusted R-squared:  0.9957
## F-statistic: 991.5 on 10 and 33 DF,  p-value: < 2.2e-16
```



```
##
## Exact one-sample Kolmogorov-Smirnov test
##
## data:  evals
## D = 0.11675, p-value = 0.5472
## alternative hypothesis: two-sided
```

```
lm_r <- lm(GDPPC~FE+TIL+POEP)
summary(lm_r)
```

```
##
## Call:
## lm(formula = GDPPC ~ FE + TIL + POEP)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.18908 -0.05982 -0.01996  0.07027  0.21809
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.03856    0.88044   0.044  0.96529
```

```
## FE          0.98181    0.05584   17.582 < 2e-16 ***
## TIL         -0.41322    0.13984   -2.955 0.00522 **
## POEP        2.14787    0.26939    7.973 8.6e-10 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1084 on 40 degrees of freedom
## Multiple R-squared:  0.9963, Adjusted R-squared:  0.996
## F-statistic: 3585 on 3 and 40 DF,  p-value: < 2.2e-16
```

