setwd("F:\\R\_documents\\")

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> Performance\_Indicator = read.csv(file = "F:\\R\_documents\\Excel\_UK.csv")

> dim(Performance\_Indicator)

[1] 11 4

> nrow(Performance\_Indicator)

[1] 11

> ncol(Performance\_Indicator)

[1] 4

> names(Performance\_Indicator)

[1] "Year" "Performance\_Indicator"

[3] "Government\_Effectivness" "Regulatory\_Quality"

> str(Performance\_Indicator)

'data.frame': 11 obs. of 4 variables:

$ Year : int 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 ...

$ Performance\_Indicator : int 949 1157 1199 1118 885 867 762 702 706 689 ...

$ Government\_Effectivness: num 0.85 0.88 1 1 0.78 0.75 0.73 0.67 0.7 0.54 ...

$ Regulatory\_Quality : num 0.63 0.85 0.94 0.91 0.73 0.69 0.67 0.65 0.66 0.62 ...

> model <- lm(Performance\_Indicator ~ Government\_Effectivness+ Regulatory\_Quality,data=Performance\_Indicator)

> summary(Performance\_Indicator)

Year Performance\_Indicator Government\_Effectivness

Min. :2009 Min. : 689.0 Min. :0.5400

1st Qu.:2012 1st Qu.: 711.0 1st Qu.:0.7100

Median :2014 Median : 867.0 Median :0.7500

Mean :2014 Mean : 886.4 Mean :0.7836

3rd Qu.:2016 3rd Qu.:1033.5 3rd Qu.:0.8650

Max. :2019 Max. :1199.0 Max. :1.0000

Regulatory\_Quality

Min. :0.6200

1st Qu.:0.6550

Median :0.6700

Mean :0.7282

3rd Qu.:0.7900

Max. :0.9400

Call:

lm(formula = Performance\_Indicator ~ Government\_Effectivness +

Regulatory\_Quality + Government\_Effectivness, data = Performance\_Indicator)

Residuals:

Min 1Q Median 3Q Max

-73.40 -53.19 -3.52 51.92 111.24

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) -232.3 145.3 -1.598 0.1486

Government\_Effectivness 799.1 327.5 2.440 0.0406 \*

Regulatory\_Quality 676.3 394.2 1.716 0.1246

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 72.23 on 8 degrees of freedom

Multiple R-squared: 0.8899, Adjusted R-squared: 0.8623

F-statistic: 32.32 on 2 and 8 DF, p-value: 0.0001472









