**Appendice 1 : Data**

**« National institutional context and voluntary carbon disclosure :**

**An international study of the banking industry »**

|1] "COAL37"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         INST          ASS         COTm

   -27.1441       0.3925       3.8310      -3.5347

[1] 0.1528016

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 6.653306e-05

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.08560401

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9826166

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.7719869

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.866175e-12

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2185732

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.0923012

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[1] "COAL38"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         BRCR          ASS         COTm

   -137.714        1.377        5.366       -3.942

[1] 0.2144907

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.025118e-06

        Good significance of the coefficients. max(pval\_coeff) : 0.04506383

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9325868

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.06172991

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  3.614878e-11

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2782207

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1061824

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         WGI6          ASS         COTm

    -0.5699       0.1040       0.5732       0.4572

[1] 0.364735

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.805917e-15

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.07371519

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.2411792

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.1364159

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.01416203

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.09182738

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.07771275

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[1] "IVC2"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         SAAS          ASS         COTm

   -3.85601      0.04586      0.72942      0.48231

[1] 0.3400552

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.326547e-13

        Good significance of the coefficients. max(pval\_coeff) : 0.0127344

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.04411466

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.1403695

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.04574115

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.04345036

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.06987243

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[1] "IVC3"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         WGI6        EPIms         COTm

   -0.81283      0.05375      0.02695      0.67099

[1] 0.3148519

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.90345e-12

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1886296

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.88399

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.1024983

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.005251422

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.04059428

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.0474047

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[1] "IVC4"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           ES          ASS         COTm

    -3.7939       0.7252       0.7236       0.5323

[1] 0.3439433

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.713532e-14

        Good significance of the coefficients. max(pval\_coeff) : 0.005890486

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.09866012

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.3560483

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.02202647

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.05088718

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1114378

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[1] "IVC5"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         Tpib          ASS         COTm

    -1.1025       0.2953       0.7273       0.5904

[1] 0.2672445

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 4.022772e-09

        Good significance of the coefficients. max(pval\_coeff) : 0.009089584

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.3903111

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.5151864

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.01984124

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.01395309

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1182019

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[1] "IVC6"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         INST           OL         BRCR          EER

  -11.96244      0.02180      0.34760      0.10930      0.01982

[1] 0.2087936

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.298085e-07

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1642901

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9224863

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.7972255

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.006713051

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.07048812

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.06082076

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[1] "IVC7"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           OL         BRCR         SAAS          RER

  -10.87631      0.31883      0.08802      0.03496      0.01718

[1] 0.190446

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 6.197452e-07

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1558164

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.999128

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.6379984

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.003972312

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.04900833

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.08318967

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[1] "COAL8"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)        EPIms         Tpib          ASS         COTm

   -26.1911       0.2647       3.9636       4.5432      -4.1117

[1] 0.3954655

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.635299e-11

        Good significance of the coefficients. max(pval\_coeff) : 0.02192114

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9690679

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.08528216

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  2.989383e-07

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.009022854

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1153238

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[1] "COAL9"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           ES         Tpib          ASS         COTm

    -32.190        5.017        3.841        4.976       -4.436

[1] 0.3553354

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.245073e-10

        Good significance of the coefficients. max(pval\_coeff) : 0.01653787

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.450983

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.612079

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.176559e-07

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.01259059

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1710331

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[1] "COAL10"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           RQ         Tpib          ASS         COTm

    -14.856        3.816        4.754        4.991       -4.232

[1] 0.3551126

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.38428e-10

        Good significance of the coefficients. max(pval\_coeff) : 0.02269436

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.8863366

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.2670298

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  4.060711e-08

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.01037802

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1113511

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[1] "COAL11"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         SAAS         Tpib          ASS         COTm

   -27.5206       0.2011       5.5484       5.2595      -4.5485

[1] 0.3116427

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.95896e-08

        Good significance of the coefficients. max(pval\_coeff) : 0.01800196

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.5221442

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.7915313

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  6.903414e-08

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.009780706

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.160877

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[1] "COAL12"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         BRCR          EER          ASS         COTm

  -153.9514       1.4286       0.1891       4.2541      -3.7848

[1] 0.2382614

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 4.685652e-07

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.05078333

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9631655

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.4827062

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  8.908128e-12

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2702542

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1314241

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[1] "COAL13"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         WGI6         BRCR          ASS         COTm

   -98.6398       0.5254       0.9513       5.0412      -3.6728

[1] 0.2420806

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.573371e-07

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.05757426

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9998903

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.2234368

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  9.919292e-12

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2621711

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1391481

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[1] "COAL14"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         INST          RER          ASS         COTm

   -35.0687       0.3257       0.1695       3.7945      -3.6495

[1] 0.1859588

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.638815e-05

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.07048878

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9904929

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.861577

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  9.653116e-12

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.09440379

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.08843736

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[1] "CDP15"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           RQ          RER          ASS         COTm

    -0.8916       0.9843       0.0292       1.0022       0.6815

[1] 0.1876983

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.129495e-10

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.4358268

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.02471883

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.4874682

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  2.745075e-06

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.9640533

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.08662863

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[1] "CDP16"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)          RER        EPIms          ASS         COTm

   -3.24534      0.03282      0.04849      0.97808      0.61997

[1] 0.1876546

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.136338e-10

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1054425

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.0322432

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.8614009

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.300236e-05

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.9956551

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.09428047

[1] "######################################################"

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[1] "CDP17"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         WGI6          RER          ASS         COTm

   -0.42217      0.16701      0.02472      1.00036      0.71699

[1] 0.1860927

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.409585e-10

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.7167338

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.01366158

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.1203342

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  3.678592e-06

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.886405

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.08677722

[1] "######################################################"

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[1] "CDP18"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         SAAS          RER          ASS         COTm

   -5.55533      0.06154      0.04216      1.04964      0.82534

[1] 0.1726983

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.771621e-10

        Good significance of the coefficients. max(pval\_coeff) : 0.03136079

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.01788815

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.9178639

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  2.701506e-07

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2903432

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.09616176

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[1] "CDP19"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)        EPIms         Tpib          ASS         COTm

    -0.9523       0.0401       0.3889       0.8660       0.8473

[1] 0.15256

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.600142e-07

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.3061945

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.1353134

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.7549899

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  5.035062e-06

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.9985089

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.08342651

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[1] "CDP20"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         BRCR          EER          ASS         COTm

  -19.01104      0.18532      0.04557      1.03240      0.57166

[1] 0.1559714

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 8.190453e-09

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1452165

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.1954547

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.7462803

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.563304e-06

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.1790251

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1122342

[1] "######################################################"

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[1] "CDP21"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         INST          RER          ASS         COTm

   -3.80279      0.05022      0.03446      1.03091      0.83296

[1] 0.1521445

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.35512e-08

        Good significance of the coefficients. max(pval\_coeff) : 0.0318754

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.1609884

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.5002054

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.146233e-07

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2339014

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1057806

[1] "######################################################"

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[1] "IVC22"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           RQ          ASS         COTm

    -0.6550       0.5733       0.5787       0.4772

[1] 0.3556607

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 2.417027e-14

        Good significance of the coefficients. max(pval\_coeff) : 0.04165866

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.09194831

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.07862499

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.02336059

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.06075588

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.07660867

[1] "######################################################"

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[1] "IVC23"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)        EPIms          ASS         COTm

   -2.32185      0.03518      0.55595      0.46606

[1] 0.3751282

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 2.719829e-15

        Good significance of the coefficients. max(pval\_coeff) : 0.01339755

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.3511535

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.4519438

04- Analysis of distribution of residuals.

        Shapiro-Wilk test (shapiro.test()) - Normal distribution of residuals. p.value :  0.05609555

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.06929868

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1162317

[1] "######################################################"

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[1] "IVC24"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         BRCR          ASS         COTm

   -12.7130       0.1256       0.7758       0.4809

[1] 0.3218247

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 9.203895e-13

        Good significance of the coefficients. max(pval\_coeff) : 0.01426641

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.1228235

03- Analysis of independence of the residuals.

        Warning!

        Durbin-Watson test (dwtest()) - Bad independence of the residuals. p.value :  0.0269289

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.02210421

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.02544

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1113578

[1] "######################################################"

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[1] "IVC25"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         INST          ASS         COTm

   -2.84905      0.04083      0.58922      0.49827

[1] 0.3093496

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.359026e-12

        Good significance of the coefficients. max(pval\_coeff) : 0.01185907

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.003323159

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.06770273

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.01392921

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.02973877

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.07261035

[1] "######################################################"

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[1] "IVC26"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         SAAS          EER         COTm

   -2.99292      0.04002      0.01676      0.72557

[1] 0.238924

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.256249e-09

        Good significance of the coefficients. max(pval\_coeff) : 0.01748093

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.6665529

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.06057976

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  0.0009429734

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.2825967

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.05115733

[1] "######################################################"

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[1] "IVC27"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)          GDP          ASS         COTm

    -4.0845       0.9425       0.5181       0.4886

[1] 0.3204364

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 1.064312e-12

        Good significance of the coefficients. max(pval\_coeff) : 0.01287633

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.2916651

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.182332

04- Analysis of distribution of residuals.

        Shapiro-Wilk test (shapiro.test()) - Normal distribution of residuals. p.value :  0.06096513

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.0195803

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.07027892

[1] "######################################################"

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[1] "COAL28"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         BRCR        EPIms          ASS         COTm

   -75.5524       0.5676       0.2823       4.2803      -3.6137

[1] 0.2946709

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 7.23735e-09

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.1004105

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9999975

03- Analysis of independence of the residuals.

        Warning!

        Durbin-Watson test (dwtest()) - Bad independence of the residuals. p.value :  0.0258204

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  9.825269e-11

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.09426769

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.09924717

[1] "######################################################"

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[1] "COAL29"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         SAAS          RER          ASS         COTm

   -36.1951       0.2537       0.2108       4.3374      -3.8655

[1] 0.1755394

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.215931e-05

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.05627648

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.9917953

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.4321085

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.587884e-11

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.0983482

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1170874

[1] "######################################################"

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[1] "COAL30"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         WGI6         Tpib          ASS         COTm

   -14.5833       0.6049       4.8076       5.1658      -4.3780

[1] 0.3395286

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 2.663093e-09

        Good significance of the coefficients. max(pval\_coeff) : 0.01980041

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.7994691

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.6404305

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  3.059438e-08

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.0157014

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1178993

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[1] "######################################################"

[1] "COAL31"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)          GDP         Tpib          ASS

    -45.592        8.594        4.867        3.001

[1] 0.3251822

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 2.604751e-09

        Good significance of the coefficients. max(pval\_coeff) : 0.03542779

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.5749102

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.8796853

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  3.644378e-09

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.05396545

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1255791

[1] "######################################################"

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[1] "######################################################"

[1] "COAL32"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)        EPIms          ASS         COTm

   -24.7010       0.3614       3.8217      -3.7167

[1] 0.2838823

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 5.928005e-09

        Good significance of the coefficients. max(pval\_coeff) : 0.04787909

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.981658

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.06460356

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.404853e-10

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.02918786

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1071024

[1] "######################################################"

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[1] "######################################################"

[1] "CDP33"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)        EPIms          ASS         COTm

   -1.20972      0.05322      1.00366      0.60558

[1] 0.172782

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 3.034207e-10

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.158302

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Warning!

        Rainbow test ordered by mahalanobis (raintest()) - Bad adequacy. p.value :  0.02411179

03- Analysis of independence of the residuals.

        Warning!

        Durbin-Watson test (dwtest()) - Bad independence of the residuals. p.value :  0.006191951

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.740619e-06

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.8323674

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1076426

[1] "######################################################"

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[1] "CDP34"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)           ES          ASS         COTm

    -3.6704       1.2309       1.1199       0.8065

[1] 0.1684781

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 5.492125e-10

        Good significance of the coefficients. max(pval\_coeff) : 0.03590445

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.08725159

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.1538195

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  6.575686e-06

05- Analysis of variance of residuals.

        Warning!

        Breush-Pagan test (bptest()) - Non-constant variance of the residuals. p.value :  0.03593675

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1082897

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[1] "CDP35"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)         Tpib          ASS         COTm

     0.6920       0.6999       1.0201       0.9803

[1] 0.1191347

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 2.79124e-06

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.365008

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.578562

03- Analysis of independence of the residuals.

        Durbin-Watson test (dwtest()) - Good independence of the residuals. p.value :  0.2630274

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  8.759811e-07

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.1477255

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.1045511

[1] "######################################################"

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[1] "CDP36"

Call:

lm(formula = formul, data = eval([as.name](http://as.name)(indY)))

Coefficients:

(Intercept)          GDP          ASS         COTm

    -4.3535       1.5101       0.9693       0.6766

[1] 0.1512899

01- Analysis of the p-values of the model and its coefficients.

        Good significance of the model. p-value: 5.679622e-09

        Warning!

        Bad significance of the coefficients. max(p.value) : 0.08309777

02- Analysis of the adequacy of model (Equivalence between the global model and the model established on the best points.).

        Rainbow test (raintest()) - Good adequacy. p.value :  0.05684987

03- Analysis of independence of the residuals.

        Warning!

        Durbin-Watson test (dwtest()) - Bad independence of the residuals. p.value :  0.001348922

04- Analysis of distribution of residuals.

        Warning!

        Shapiro-Wilk test (shapiro.test()) - Non-normal distribution of residuals. p.value :  1.000426e-07

05- Analysis of variance of residuals.

        Breush-Pagan test (bptest()) - Constant variance of the residuals. p.value :  0.7855213

06- Analysis of leverage effect.

        Cook's distance (cooks.distance()) - No leverage effect. max(cooks.distance()) 0.09821381