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# SDGs

1. Fin de la Pobreza

2. Hambre Cero

3. Salud y Bienestar

4. Educación y Calidad

5. Igualdad de Género

6. Agua Limpia y Saneamiento

7. Energía asequible y no Contaminante

8. Trabajo Decente y Crecimiento Económico

9. Industria Innovación e Infraestructura

10. Reducción de las Desigualdades

11. Ciudades y Comunidades Sostenibles

12. Producción y consumo responsable

13. Acción por el Clima

14. Vida Submarina

15. Vida de Ecosistemas Terrestres

16. Paz, Justicia e Instituciones Sólidas

17. Alianzas para Lograr los Objetivos

# SDGs\_Scores

**MEJOR FIXED EFFECTS**

## FIXED EFFECTS SIN NORMALIZAR

------- Resultados FE-model: -------

PanelOLS Estimation Summary

=================================================================================

Dep. Variable: Res\_Nonhydro\_Capita R-squared: 0.3388

Estimator: PanelOLS R-squared (Between): 0.0640

No. Observations: 548 R-squared (Within): 0.3388

Date: Sat, Apr 16 2022 R-squared (Overall): 0.0658

Time: 00:14:40 Log-likelihood -3303.8

Cov. Estimator: Unadjusted

F-statistic: 11.874

Entities: 137 P-value 0.0000

Avg Obs: 4.0000 Distribution: F(17,394)

Min Obs: 4.0000

Max Obs: 4.0000 F-statistic (robust): 11.874

P-value 0.0000

Time periods: 4 Distribution: F(17,394)

Avg Obs: 137.00

Min Obs: 137.00

Max Obs: 137.00

Parameter Estimates

==============================================================================

Parameter Std. Err. T-stat P-value Lower CI Upper CI

------------------------------------------------------------------------------

const 1084.9 360.70 3.0077 0.0028 375.75 1794.0

SDG1 0.2053 0.7735 0.2654 0.7908 -1.3153 1.7259

SDG2 -2.3065 1.5011 -1.5365 0.1252 -5.2577 0.6448

SDG3 0.9849 3.3822 0.2912 0.7710 -5.6644 7.6343

SDG4 1.5055 1.0776 1.3970 0.1632 -0.6131 3.6242

SDG5 1.6430 1.8822 0.8730 0.3832 -2.0573 5.3434

SDG6 -3.5296 1.0409 -3.3908 0.0008 -5.5761 -1.4831

SDG7 -0.0186 2.0915 -0.0089 0.9929 -4.1304 4.0933

SDG8 0.4028 0.9270 0.4345 0.6641 -1.4196 2.2252

SDG9 5.0091 1.3871 3.6112 0.0003 2.2821 7.7362

SDG10 -0.6406 0.7808 -0.8205 0.4124 -2.1757 0.8944

SDG11 -1.7355 0.9684 -1.7922 0.0739 -3.6393 0.1683

SDG12 -0.7987 1.4830 -0.5386 0.5905 -3.7143 2.1169

SDG13 -6.1338 0.9425 -6.5082 0.0000 -7.9867 -4.2809

SDG14 0.9754 0.7086 1.3765 0.1694 -0.4177 2.3684

SDG15 1.8895 1.1627 1.6251 0.1049 -0.3963 4.1754

SDG16 -3.6465 1.5138 -2.4088 0.0165 -6.6227 -0.6703

SDG17 1.7760 0.7759 2.2891 0.0226 0.2506 3.3014

==============================================================================

F-test for Poolability: 421.93

P-value: 0.0000

Distribution: F(136,394)

Included effects: Entity

--

------- Resultados del Test de Hausman: -------

chi-Squared: 46.97742109514659

degrees of freedom: 18

p-Value: 0.0002133103301571882

## FIXED EFFECTS NORMALIZADO

**MEJOR FIXED EFFECTS**

------- Resultados FE-model: -------

PanelOLS Estimation Summary

=================================================================================

Dep. Variable: Res\_Nonhydro\_Capita R-squared: 0.3388

Estimator: PanelOLS R-squared (Between): 0.0640

No. Observations: 548 R-squared (Within): 0.3388

Date: Sat, Apr 16 2022 R-squared (Overall): 0.0658

Time: 00:08:17 Log-likelihood -3303.8

Cov. Estimator: Unadjusted

F-statistic: 11.874

Entities: 137 P-value 0.0000

Avg Obs: 4.0000 Distribution: F(17,394)

Min Obs: 4.0000

Max Obs: 4.0000 F-statistic (robust): 11.874

P-value 0.0000

Time periods: 4 Distribution: F(17,394)

Avg Obs: 137.00

Min Obs: 137.00

Max Obs: 137.00

Parameter Estimates

==============================================================================

Parameter Std. Err. T-stat P-value Lower CI Upper CI

------------------------------------------------------------------------------

const 548.48 5.0622 108.35 0.0000 538.52 558.43

SDG1 5.5481 20.902 0.2654 0.7908 -35.544 46.641

SDG2 -27.955 18.194 -1.5365 0.1252 -63.724 7.8147

SDG3 18.710 64.247 0.2912 0.7710 -107.60 145.02

SDG4 34.425 24.641 1.3970 0.1632 -14.020 82.870

SDG5 27.522 31.528 0.8730 0.3832 -34.462 89.507

SDG6 -55.826 16.464 -3.3908 0.0008 -88.194 -23.457

SDG7 -0.4978 56.008 -0.0089 0.9929 -110.61 109.62

SDG8 5.9147 13.612 0.4345 0.6641 -20.846 32.676

SDG9 131.96 36.541 3.6112 0.0003 60.118 203.80

SDG10 -15.690 19.123 -0.8205 0.4124 -53.286 21.906

SDG11 -30.519 17.029 -1.7922 0.0739 -63.998 2.9602

SDG12 -12.154 22.568 -0.5386 0.5905 -56.523 32.215

SDG13 -96.961 14.898 -6.5082 0.0000 -126.25 -67.671

SDG14 12.003 8.7201 1.3765 0.1694 -5.1405 29.147

SDG15 27.093 16.672 1.6251 0.1049 -5.6830 59.869

SDG16 -50.265 20.868 -2.4088 0.0165 -91.291 -9.2392

SDG17 24.305 10.618 2.2891 0.0226 3.4301 45.179

==============================================================================

F-test for Poolability: 421.93

P-value: 0.0000

Distribution: F(136,394)

Included effects: Entity

------- Resultados del Test de Hausman: -------

chi-Squared: 46.97742109672169

degrees of freedom: 18

p-Value: 0.00021331033004326366

## MODELO IV2SLS CON ESCALADO

OLS Estimation Summary

Dep. Variable: Res\_Nonhydro\_Capita R-squared: 0.3494

Estimator: OLS Adj. R-squared: 0.3285

No. Observations: 548 F-statistic: 341.06

Date: Sat, Apr 16 2022 P-value (F-stat) 0.0000

Time: 12:19:30 Distribution: chi2(17)

Cov. Estimator: robust

Parameter Estimates

Parameter Std. Err. T-stat P-value Lower CI Upper CI

const 548.48 51.979 10.552 0.0000 446.60 650.35

SDG1 -303.05 83.960 -3.6095 0.0003 -467.61 -138.49

SDG2 -39.543 66.254 -0.5968 0.5506 -169.40 90.312

SDG3 -281.01 145.62 -1.9297 0.0536 -566.42 4.4031

SDG4 -329.02 74.152 -4.4371 0.0000 -474.35 -183.68

SDG5 426.48 133.74 3.1889 0.0014 164.36 688.61

SDG6 21.246 76.828 0.2765 0.7821 -129.33 171.83

SDG7 366.40 142.78 2.5661 0.0103 86.548 646.24

SDG8 -1.4952 66.228 -0.0226 0.9820 -131.30 128.31

SDG9 397.76 79.696 4.9910 0.0000 241.56 553.96

SDG10 260.37 85.271 3.0534 0.0023 93.241 427.50

SDG11 -67.387 59.354 -1.1353 0.2562 -183.72 48.944

SDG12 -405.14 150.27 -2.6961 0.0070 -699.67 -110.62

SDG13 253.63 79.923 3.1734 0.0015 96.982 410.28

SDG14 -17.381 76.194 -0.2281 0.8196 -166.72 131.96

SDG15 -195.68 97.057 -2.0161 0.0438 -385.90 -5.4496

SDG16 366.47 112.94 3.2447 0.0012 145.10 587.83

SDG17 87.332 38.289 2.2809 0.0226 1

## MODELO LINEARREGRESSION CON ESCALADO

coefficient

SDG7 508.349619

SDG5 386.327919

SDG13 382.634200

SDG9 367.932884

SDG10 298.261459

SDG16 250.983321

SDG14 248.165160

SDG17 119.278697

SDG8 90.329353

SDG2 -75.258052

SDG11 -75.809869

SDG3 -107.028651

SDG6 -177.811322

SDG15 -217.583870

SDG4 -348.526094

SDG1 -437.803822

SDG12 -794.095909

# SDGs\_Ranks

## RANDOM EFFECTS SIN NORMALIZAR

**MEJOR RANDOM EFFECTS**

------- Resultados RE-model: -------

RandomEffects Estimation Summary

=================================================================================

Dep. Variable: Res\_Nonhydro\_Capita R-squared: 0.1128

Estimator: RandomEffects R-squared (Between): 0.1232

No. Observations: 685 R-squared (Within): 0.1098

Date: Sat, Apr 16 2022 R-squared (Overall): 0.1231

Time: 00:37:46 Log-likelihood -4263.1

Cov. Estimator: Unadjusted

F-statistic: 4.9904

Entities: 137 P-value 0.0000

Avg Obs: 5.0000 Distribution: F(17,667)

Min Obs: 5.0000

Max Obs: 5.0000 F-statistic (robust): 4.9904

P-value 0.0000

Time periods: 5 Distribution: F(17,667)

Avg Obs: 137.00

Min Obs: 137.00

Max Obs: 137.00

Parameter Estimates

==============================================================================

Parameter Std. Err. T-stat P-value Lower CI Upper CI

------------------------------------------------------------------------------

const 1044.1 180.48 5.7850 0.0000 689.71 1398.5

SDG1 -1.1498 0.4384 -2.6224 0.0089 -2.0107 -0.2889

SDG2 1.3955 0.4324 3.2272 0.0013 0.5464 2.2446

SDG3 -2.1707 1.3031 -1.6658 0.0962 -4.7295 0.3880

SDG4 -0.8104 0.4907 -1.6515 0.0991 -1.7738 0.1531

SDG5 -1.1309 0.7785 -1.4527 0.1468 -2.6595 0.3977

SDG6 0.3478 0.4067 0.8551 0.3928 -0.4508 1.1464

SDG7 -1.6969 0.9255 -1.8336 0.0672 -3.5141 0.1203

SDG8 -0.2337 0.3822 -0.6114 0.5411 -0.9842 0.5168

SDG9 -1.2206 0.8992 -1.3574 0.1751 -2.9862 0.5451

SDG10 -0.1234 0.4505 -0.2738 0.7843 -1.0080 0.7613

SDG11 -0.1700 0.4254 -0.3995 0.6896 -1.0052 0.6653

SDG12 -0.1891 0.4514 -0.4188 0.6755 -1.0755 0.6973

SDG13 0.9080 0.2588 3.5083 0.0005 0.3998 1.4162

SDG14 0.1342 0.2008 0.6681 0.5043 -0.2601 0.5285

SDG15 -0.6962 0.4256 -1.6356 0.1024 -1.5319 0.1396

SDG16 0.5079 0.4870 1.0428 0.2974 -0.4484 1.4642

SDG17 -0.8398 0.2604 -3.2248 0.0013 -1.3511 -0.3285

==============================================================================

------- Resultados del Test de Hausman: -------

chi-Squared: 16.655683839237557

degrees of freedom: 18

p-Value: 0.5468852481127586

## RANDOM EFFECTS NORMALIZADO

------- Resultados RE-model: -------

RandomEffects Estimation Summary

=================================================================================

Dep. Variable: Res\_Nonhydro\_Capita R-squared: 0.1128

Estimator: RandomEffects R-squared (Between): 0.1232

No. Observations: 685 R-squared (Within): 0.1098

Date: Sat, Apr 16 2022 R-squared (Overall): 0.1231

Time: 00:42:56 Log-likelihood -4263.1

Cov. Estimator: Unadjusted

F-statistic: 4.9904

Entities: 137 P-value 0.0000

Avg Obs: 5.0000 Distribution: F(17,667)

Min Obs: 5.0000

Max Obs: 5.0000 F-statistic (robust): 4.9904

P-value 0.0000

Time periods: 5 Distribution: F(17,667)

Avg Obs: 137.00

Min Obs: 137.00

Max Obs: 137.00

Parameter Estimates

==============================================================================

Parameter Std. Err. T-stat P-value Lower CI Upper CI

------------------------------------------------------------------------------

const 550.48 116.44 4.7277 0.0000 321.85 779.10

SDG1 -45.645 17.405 -2.6224 0.0089 -79.821 -11.469

SDG2 55.340 17.148 3.2272 0.0013 21.669 89.010

SDG3 -86.131 51.706 -1.6658 0.0962 -187.66 15.394

SDG4 -32.162 19.475 -1.6515 0.0991 -70.402 6.0771

SDG5 -44.889 30.901 -1.4527 0.1468 -105.57 15.787

SDG6 13.814 16.154 0.8551 0.3928 -17.906 45.533

SDG7 -67.339 36.725 -1.8336 0.0672 -139.45 4.7727

SDG8 -9.2614 15.148 -0.6114 0.5411 -39.004 20.482

SDG9 -48.456 35.699 -1.3574 0.1751 -118.55 21.640

SDG10 -4.8921 17.868 -0.2738 0.7843 -39.976 30.191

SDG11 -6.7502 16.895 -0.3995 0.6896 -39.925 26.424

SDG12 -7.5095 17.930 -0.4188 0.6755 -42.716 27.697

SDG13 35.998 10.261 3.5083 0.0005 15.851 56.145

SDG14 5.3211 7.9646 0.6681 0.5043 -10.318 20.960

SDG15 -27.609 16.881 -1.6356 0.1024 -60.755 5.5364

SDG16 20.155 19.327 1.0428 0.2974 -17.794 58.105

SDG17 -33.285 10.322 -3.2248 0.0013 -53.551 -13.018

==============================================================================

------- Resultados del Test de Hausman: -------

chi-Squared: 16.655683839303016

degrees of freedom: 18

p-Value: 0.54688524810822

2.287 162.38