

Appendix B



Table 1: 2SLS estimation results, Financial development: Domestic credit to private sector (% of GDP)

	Energy tion	Consump-	CO2	GINI	GDP per capita
GDP per capita	0.008 (0.04)		0.048 (0.28)	-0.085 (-0.87)	
GDP per capita squared	-0.003 (-0.15)		-0.002 (-0.10)	0.009 (0.72)	
FD2	0.326*** (3.98)		0.231** (2.31)	-0.075** (-2.15)	1.869 (1.02)
Industrialization	0.678*** (3.27)		0.258 (1.21)	0.133* (1.69)	1.769*** (2.81)
Urbanisation	0.706*** (4.26)		0.481** (2.49)	-0.094 (-1.55)	-1.225** (-2.44)
Renewable Energy	-0.021 (-0.40)		-0.211*** (-4.65)		-0.115 (-0.68)
GINI			-1.570*** (-3.70)		
Energy Consumption			0.910*** (5.03)		
Trade			-0.058 (-0.49)		0.843** (2.20)
Inflation				-0.205 (-0.87)	
FD2 × FD2					-0.302 (-1.24)
Observations	100				

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively

Table 2: 2SLS estimation results: interaction with income status; Financial development: Domestic credit to private sector (% of GDP)

	Energy tion	Consump-	CO2	GINI	GDP per capita
GDP per capita	0.064 (0.35)		0.021 (0.12)	-0.058 (-0.68)	
GDP per capita squared	-0.010 (-0.44)		0.001 (0.05)	0.005 (0.48)	
FD2	0.328*** (4.01)		0.221** (2.11)	-0.060** (-2.02)	-0.168 (-0.48)
FD2 × LMIC				0.077*** (5.76)	
Industrialization	0.660*** (3.17)		0.232 (1.05)	0.010 (0.14)	2.230*** (2.91)
Urbanisation	0.711*** (4.29)		0.454** (2.23)	0.013 (0.23)	-0.795 (-1.10)
Renewable Energy	-0.019 (-0.36)		-0.211*** (-4.51)		
GINI			-1.490*** (-3.42)		
Energy Consumption			0.954*** (4.90)		-0.449 (-0.63)
Trade			-0.045 (-0.37)		0.945** (2.56)
Inflation				0.025 (0.12)	
Observations	100				

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively

Table 3: 2SLS estimation results: Nonlinearity; Financial development: Domestic credit to private sector (% of GDP)

	Energy Consumption	Consumption	CO2	GINI	GDP per capita
GDP per capita	0.125 (0.58)		0.344 (0.75)	-0.110 (-0.67)	
GDP per capita squared	-0.017 (-0.66)		-0.034 (-0.64)	0.011 (0.54)	
FD2	0.332** (2.49)		0.673* (1.71)	1.711** (2.14)	-0.643 (-1.45)
FD2 Squared				-0.271** (-2.45)	
Industrialization	0.640*** (3.04)		0.083 (0.25)	-0.015 (-0.13)	2.063*** (2.63)
Urbanisation	0.716*** (4.02)		0.397 (1.32)	-0.011 (-0.11)	-0.389 (-0.50)
Renewable Energy	-0.016 (-0.28)		-0.186*** (-2.72)		
GINI			-0.390 (-0.37)		
Energy Consumption			0.880*** (2.81)		-0.391 (-0.53)
Trade			-0.189 (-0.80)		1.057*** (2.79)
Inflation				0.601 (1.40)	
Observations	100				

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively

Table 4: 3SLS estimation results

	Energy Consumption	Consumption	CO2	GINI	GDP per capita
GDP per capita	-0.028 (-0.14)		-0.061 (-0.32)	-0.031 (-0.34)	
GDP per capita squared	-0.001 (-0.04)		0.013 (0.57)	0.001 (0.08)	
Financial Development	0.171* (1.95)		0.205** (2.22)	-0.116*** (-3.61)	2.171 (1.37)
Industrialization	0.734*** (3.31)		-0.086 (-0.37)	0.100 (1.29)	1.731*** (2.79)
Urbanisation	0.772*** (4.47)		0.049 (0.25)	-0.099* (-1.68)	-1.176** (-2.37)
Renewable Energy	-0.081 (-1.61)		-0.175*** (-3.74)		-0.139 (-0.84)
GINI			-0.875** (-2.11)		
Energy Consumption			1.504*** (9.23)		
Trade			0.024 (0.21)		0.881** (2.33)
Inflation				-0.018 (-0.09)	
Financial Development Squared					-0.338 (-1.63)
Observations	100				

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively

Table 5: 3SLS estimation results: Interaction with income status

	Energy Consump- tion	CO2	GINI	GDP per capita
GDP per capita	-0.038 (-0.19)	-0.140 (-0.64)	0.019 (0.22)	
GDP per capita squared	-0.008 (-0.33)	0.025 (0.95)	-0.007 (-0.63)	
Financial Development	0.145* (1.66)	0.150 (1.60)	-0.113*** (-4.23)	-0.056 (-0.19)
Financial development \times LMIC			0.077*** (7.42)	
Industrialization	0.838*** (3.77)	-0.080 (-0.34)	0.002 (0.03)	2.720*** (3.54)
Urbanisation	0.676*** (3.96)	0.024 (0.12)	0.009 (0.17)	0.041 (0.05)
Renewable Energy	-0.105** (-2.27)	-0.140*** (-3.00)		
GINI		-1.405*** (-3.34)		
Energy Consumption		1.541*** (9.24)		-1.325*** (-2.05)
Trade		0.053 (0.45)		0.955*** (2.65)
Inflation			0.313* (1.77)	
Observations	100			

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively

Table 6: 3SLS estimation results: Quadratic function

	Energy Consump- tion	CO2	GINI	GDP per capita
GDP per capita	-0.050 (-0.26)	-0.087 (-0.45)	-0.145 (-1.28)	
GDP per capita squared	-0.007 (-0.31)	0.020 (0.85)	0.012 (0.88)	
Financial Development	0.158* (1.81)	0.180* (1.95)	0.433* (1.89)	-0.065 (-0.23)
Financial Development Squared			-0.074** (-2.46)	
Industrialization	0.835*** (3.78)	-0.100 (-0.43)	0.137 (1.57)	2.650*** (3.46)
Urbanisation	0.711*** (4.13)	0.047 (0.23)	-0.106 (-1.61)	-0.012 (-0.02)
Renewable Energy	-0.070 (-1.40)	-0.174*** (-3.65)		
GINI		-1.108*** (-2.64)		
Energy Consumption		1.513*** (9.19)		-1.253*** (-1.97)
Trade		0.055 (0.49)		0.864** (2.40)
Inflation			0.008 (0.04)	
Observations	100			

*, **, *** indicates statistical significance at 10%, 5% and 1% level respectively