Have ICT changed the game for mobility and migration?

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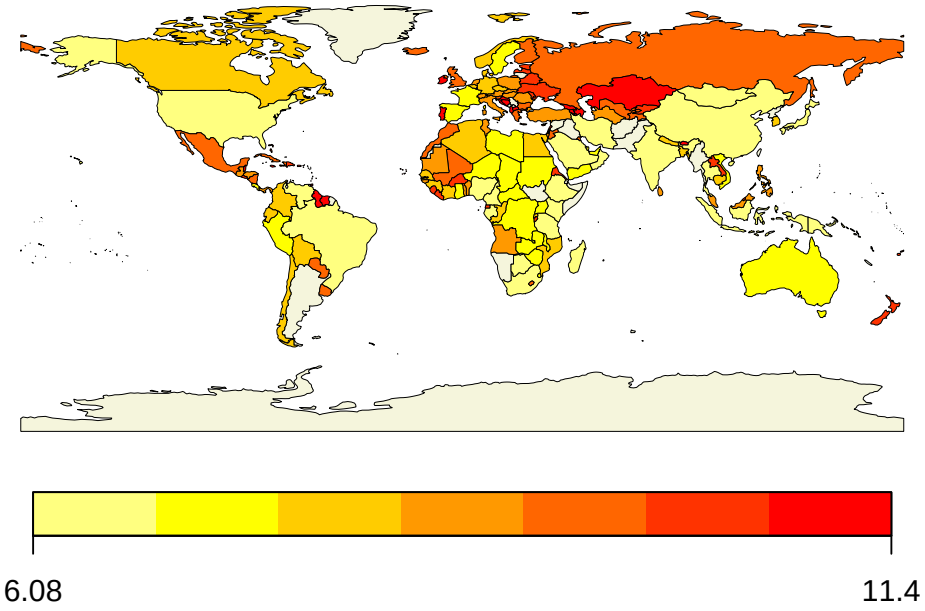


Figure 5. Emigrantion per capita 2010

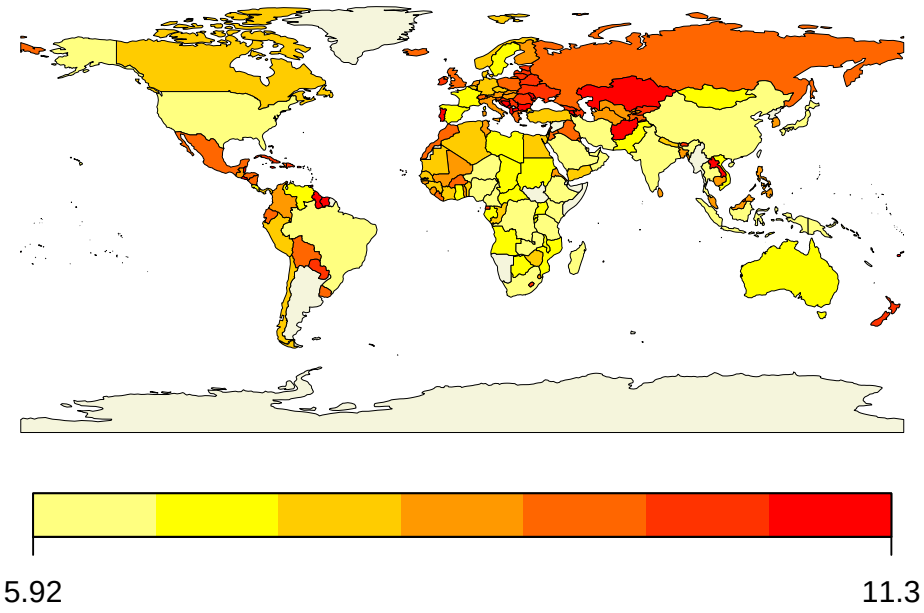
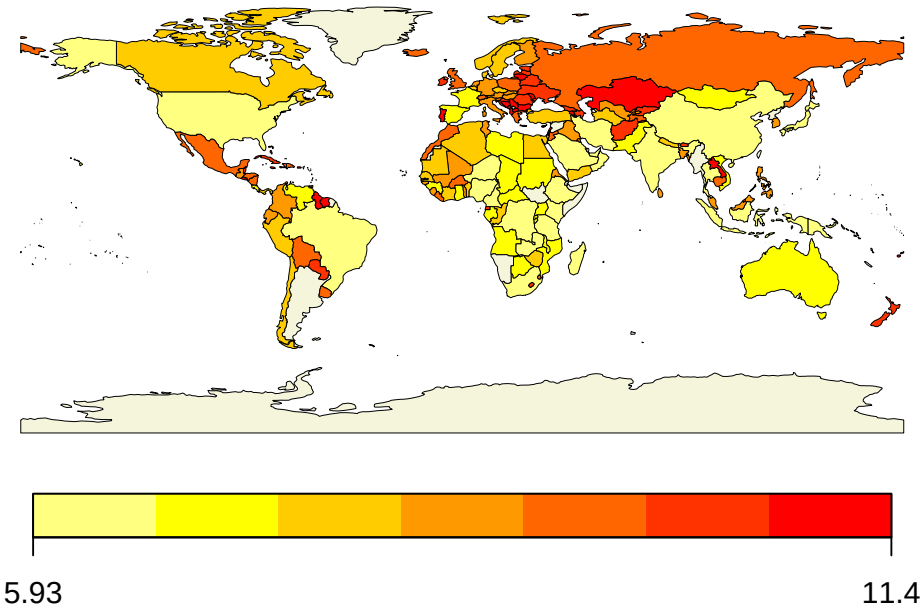


Figure 6. Emigrantion per capita 2013



Independent Variables

Results

Table 1: Table 1 Panel Regression of emigration rate using Cellphone Users

	Emigration rate per cap (log)					
	logemigrationpercap					
	(1)	(2)	(3)	(4)	(5)	(6)
CellphoneUsers	0.0012***	0.0011***	0.0011***	0.0012***	0.0008*	0.0059***
	(0.0002)	(0.0002)	(0.0002)	(0.0002)	(0.0004)	(0.0019)
logGDPpp-1					0.0781	0.0576
					(0.0572)	(0.0571)
Fertility Rate				0.0395	0.0451	0.0826**
				(0.0325)	(0.0327)	(0.0352)
Political Stability			−0.0615**	−0.0591**	−0.0698**	−0.0717**
			(0.0288)	(0.0288)	(0.0298)	(0.0296)
Employment prob		1.3560***	1.5410***	1.4784***	1.4353***	1.3306***
		(0.4640)	(0.4696)	(0.4721)	(0.4725)	(0.4695)
CellphoneUsersXlogGDPpp-1						−0.0005***
						(0.0002)
Observations	498	498	498	498	498	498
R^2	0.0989	0.1219	0.1339	0.1379	0.1428	0.1620
Adjusted R^2	0.0652	0.0800	0.0877	0.0900	0.0929	0.1051
Note:						*p<0.1; **p<0.05; ***p<0.01

Table 3. Yearly regressions

Limitations and Further Research

References

Appendix

Table 2: Table 2 Panel Regression of emigration rate using Internet Users

	Emigration rate per cap (log)					
	logemigrationpercap					
	(1)	(2)	(3)	(4)	(5)	(6)
InternetUsers	0.0022***	0.0022***	0.0021***	0.0020***	0.0003	0.0246***
	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0008)	(0.0065)
logGDPpp-1					0.1555***	0.0941*
					(0.0510)	(0.0525)
Fertility Rate				−0.0102	0.0315	0.0519
				(0.0300)	(0.0326)	(0.0324)
Political Stability			−0.0610**	−0.0615**	−0.0826***	−0.0851***
			(0.0293)	(0.0294)	(0.0298)	(0.0292)
Employment prob		1.8370***	2.0092***	2.0091***	1.5465***	1.5449***
		(0.4620)	(0.4670)	(0.4676)	(0.4860)	(0.4762)
InternetUsersXlogGDPpp-1						−0.0023***
						(0.0006)
Observations	498	498	498	498	498	498
R^2	0.0521	0.0959	0.1077	0.1081	0.1330	0.1701
Adjusted R^2	0.0343	0.0629	0.0705	0.0705	0.0865	0.1103
Note:						*p<0.1; **p<0.05; ***p<0.01

Table 3: Yearly OLS Regression of emigration

	Emigration rate per cap (log)					
	logemigrationpercap					
	2000	2010	2013	2000	2010	2013
	(1)	(2)	(3)	(4)	(5)	(6)
CellphoneUsers	0.0108	0.0263	0.0111			
	(0.0857)	(0.0166)	(0.0138)			
InternetUsers				0.1528	0.1069**	0.0758**
				(0.1750)	(0.0424)	(0.0331)
logGDPpp-1	−0.1305	−0.0817	−0.1820	−0.0572	−0.0917	−0.1253
	(0.1415)	(0.1838)	(0.1815)	(0.1320)	(0.1465)	(0.1626)
Fertility Rate	−0.2215***	−0.2732***	−0.3447***	−0.2016***	−0.2029**	−0.2489**
	(0.0783)	(0.0875)	(0.0910)	(0.0771)	(0.0944)	(0.1000)
Political Stability	0.0569	0.1687	0.1619	0.0936	0.2044*	0.2035*
	(0.1272)	(0.1047)	(0.1057)	(0.1286)	(0.1085)	(0.1098)
Employment prob	−1.3258	−3.3622**	−3.8563***	−0.7432	−2.6571*	−3.0844**
	(1.4697)	(1.3842)	(1.3247)	(1.4475)	(1.4255)	(1.3515)
CellphoneUsersXlogGDPpp-1	−0.0012	−0.0026	−0.0010			
	(0.0084)	(0.0017)	(0.0014)			
InternetUsersXlogGDPpp-1				−0.0163	−0.0102**	−0.0071**
				(0.0172)	(0.0041)	(0.0032)
Constant	11.6176***	13.1017***	14.7094***	10.4509***	12.3324***	13.1255***
	(2.0009)	(2.3398)	(2.3239)	(1.9072)	(2.1692)	(2.1946)
Observations	159	169	169	159	169	169
R^2	0.0886	0.1905	0.2020	0.1033	0.2082	0.2239
Adjusted R^2	0.0526	0.1605	0.1725	0.0679	0.1789	0.1952
Note:						*p<0.1; **p<0.05; ***p<0.01

Table 4: Panel Regressions fro cellphoneUsers using all models

	Emigration rate per cap (log)			
	logemigrationpercap			
	Pool OLS	Within	Between	Random
	(1)	(2)	(3)	(4)
CellphoneUsers	0.0078	0.0059***	0.0136	0.0038**
	(0.0069)	(0.0019)	(0.0218)	(0.0018)
logGDPpp-1	−0.2037**	0.0576	−0.1795	0.0908*
	(0.0831)	(0.0571)	(0.1850)	(0.0495)
Fertility Rate	−0.2796***	0.0826**	−0.2955***	0.0025
	(0.0464)	(0.0352)	(0.0862)	(0.0316)
Political Stability	0.1285**	−0.0717**	0.1488	−0.0519*
	(0.0626)	(0.0296)	(0.1158)	(0.0297)
Employment prob	−3.0873***	1.3306***	−3.5051**	0.7886*
	(0.7695)	(0.4695)	(1.4336)	(0.4604)
CellphoneUsersXlogGDPpp-1	−0.0006	−0.0005***	−0.0013	−0.0003*
	(0.0007)	(0.0002)	(0.0022)	(0.0002)
Constant	14.0010***		14.2756***	7.0251***
	(1.0867)		(2.3785)	(0.6063)
Observations	498	498	169	498
R^2	0.1506	0.1620	0.1664	0.1300
Adjusted R^2	0.1485	0.1051	0.1595	0.1282

Note: *p<0.1; **p<0.05; ***p<0.01

Table 5: Panel Regressions for InternetUSers using all models

	Emigration rate per cap (log)			
	logemigrationpercap			
	Pool OLS	Within	Between	Random
	(1)	(2)	(3)	(4)
InternetUsers	0.0722***	0.0246***	0.1073*	0.0236***
	(0.0209)	(0.0065)	(0.0557)	(0.0062)
logGDPpp-1	−0.1538**	0.0941*	−0.1310	0.0934*
	(0.0763)	(0.0525)	(0.1565)	(0.0480)
Fertility Rate	−0.2324***	0.0519	−0.2130**	−0.0067
	(0.0479)	(0.0324)	(0.0959)	(0.0305)
Political Stability	0.1480**	−0.0851***	0.1769	−0.0602**
	(0.0627)	(0.0292)	(0.1221)	(0.0291)
Employment prob	−2.6174***	1.5449***	−2.7278*	0.9200**
	(0.7769)	(0.4762)	(1.4850)	(0.4603)
CellphoneUsersXlogGDPpp-1	−0.0067***	−0.0023***	−0.0101*	−0.0022***
	(0.0020)	(0.0006)	(0.0053)	(0.0006)
Constant	12.9627***		12.7544***	6.9146***
	(1.0725)		(2.2911)	(0.5478)
Observations	498	498	169	498
R^2	0.1666	0.1701	0.1833	0.1444
Adjusted R^2	0.1643	0.1103	0.1757	0.1423
Note:				*p<0.1; **p<0.05; ***p<0.01