

# Have ICT changed the game for mobility and migration?

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## 5.2 Emperical Strategy

### Emperical Methods

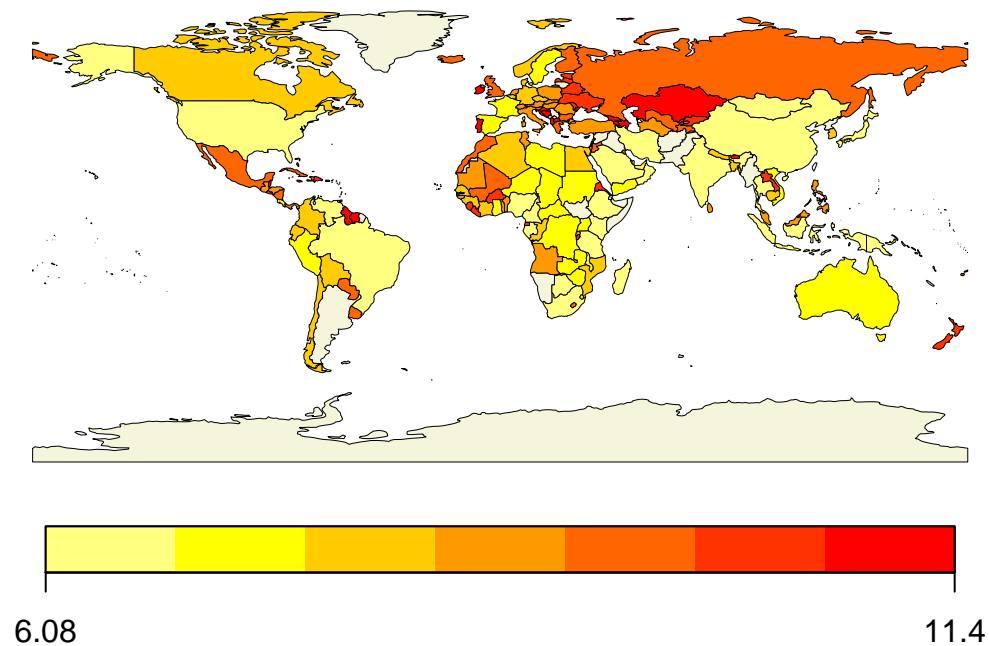
### Descriptive Statistics

### Dependent Variables

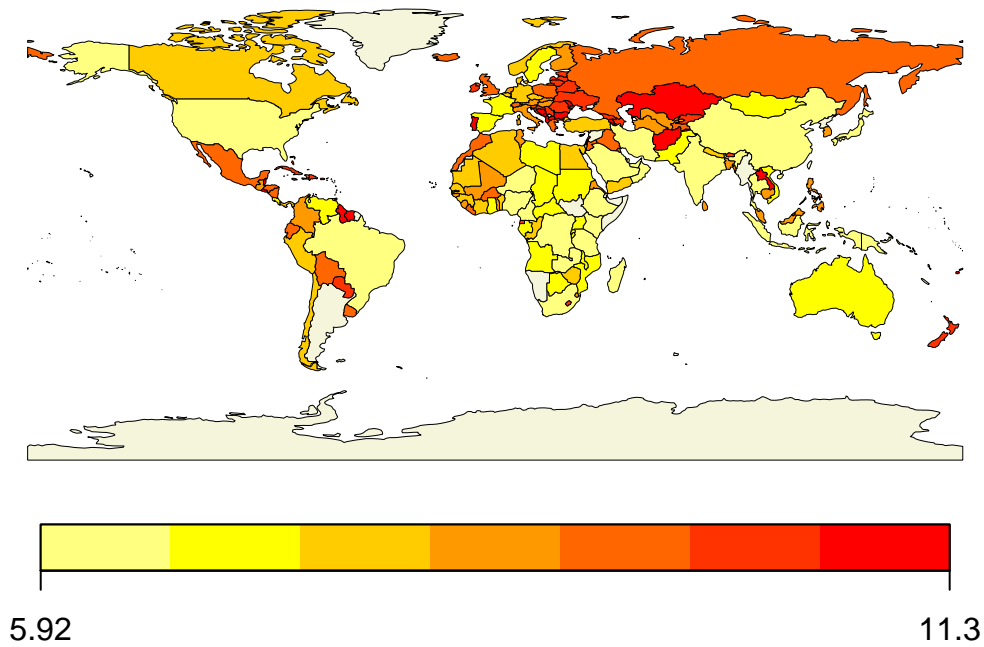
### Summary

### Patterns of Emmigration

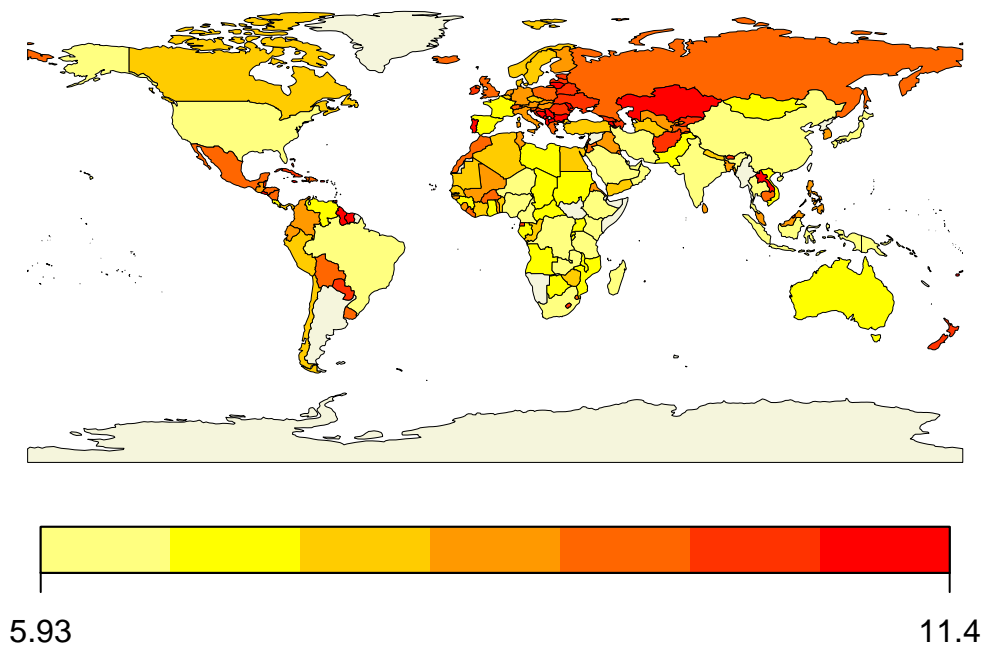
**Figure 4 Emigrantion per capita 2000**



**Figure 5. Emigration per capita 2010**



**Figure 6. Emigration 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*** (0.0002)	0.0011*** (0.0002)	0.0011*** (0.0002)	0.0012*** (0.0002)	0.0010** (0.0004)	0.0042** (0.0019)
logGDPpp-1					0.0484 (0.0542)	0.0415 (0.0542)
Fertility Rate				0.0395 (0.0325)	0.0261 (0.0318)	0.0517 (0.0351)
Political Stability			-0.0615** (0.0288)	-0.0591** (0.0288)	-0.0641** (0.0288)	-0.0669** (0.0287)
Employment prob		1.3560*** (0.4640)	1.5410*** (0.4696)	1.4784*** (0.4721)	1.4613*** (0.4576)	1.3823*** (0.4586)
CellphoneUsersXlogGDPpp-1						-0.0003* (0.0002)
Observations	498	498	498	498	497	497
R <sup>2</sup>	0.0989	0.1219	0.1339	0.1379	0.1580	0.1655
Adjusted R <sup>2</sup>	0.0652	0.0800	0.0877	0.0900	0.1027	0.1072

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*** (0.0005)	0.0022*** (0.0005)	0.0021*** (0.0005)	0.0020*** (0.0005)	0.0010 (0.0008)	0.0180*** (0.0064)
logGDPpp-1					0.1106** (0.0502)	0.0764 (0.0514)
Fertility Rate				-0.0102 (0.0300)	0.0039 (0.0319)	0.0243 (0.0325)
Political Stability			-0.0610** (0.0293)	-0.0615** (0.0294)	-0.0733** (0.0289)	-0.0775*** (0.0287)
Employment prob		1.8370*** (0.4620)	2.0092*** (0.4670)	2.0091*** (0.4676)	1.7093*** (0.4703)	1.6528*** (0.4664)
InternetUsersXlogGDPpp-1						-0.0016*** (0.0006)
Observations	498	498	498	498	497	497
R <sup>2</sup>	0.0521	0.0959	0.1077	0.1081	0.1458	0.1643
Adjusted R <sup>2</sup>	0.0343	0.0629	0.0705	0.0705	0.0948	0.1064

Note:

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 3: Yearly OLS Regression of emigration

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

Note:

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 4: Panel Regressions fro cellphoneUsers using all models

	Emigration rate per cap (log)			
	Pool OLS	logemigrationpercap		Random
		Within	Between	
	(1)	(2)	(3)	(4)
CellphoneUsers	0.0077 (0.0070)	0.0042** (0.0019)	0.0168 (0.0216)	0.0023 (0.0018)
logGDPpp-1	-0.1978** (0.0848)	0.0415 (0.0542)	-0.1453 (0.1876)	0.0633 (0.0478)
Fertility Rate	-0.2758*** (0.0464)	0.0517 (0.0351)	-0.2901*** (0.0864)	-0.0203 (0.0313)
Political Stability	0.1261** (0.0626)	-0.0669** (0.0287)	0.1517 (0.1161)	-0.0475* (0.0288)
Employment prob	-3.1126*** (0.7718)	1.3823*** (0.4586)	-3.5194** (1.4376)	0.8665* (0.4497)
CellphoneUsersXlogGDPpp-1	-0.0006 (0.0007)	-0.0003* (0.0002)	-0.0017 (0.0022)	-0.0002 (0.0002)
Constant	13.9529*** (1.1045)		13.9941*** (2.4097)	7.2606*** (0.5935)
Observations	497	497	169	497
R <sup>2</sup>	0.1492	0.1655	0.1672	0.1333
Adjusted R <sup>2</sup>	0.1471	0.1072	0.1603	0.1314

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01

Table 5: Panel Regressions for InternetUsers using all models

	Emigration rate per cap (log)			
	Pool OLS	logemigrationpercap		Random
		Within	Between	
	(1)	(2)	(3)	(4)
InternetUsers	0.0703*** (0.0208)	0.0180*** (0.0064)	0.1097** (0.0534)	0.0177*** (0.0062)
logGDPpp-1	-0.1503* (0.0779)	0.0764 (0.0514)	-0.1167 (0.1571)	0.0712 (0.0474)
Fertility Rate	-0.2289*** (0.0480)	0.0243 (0.0325)	-0.2070** (0.0956)	-0.0282 (0.0305)
Political Stability	0.1454** (0.0627)	-0.0775*** (0.0287)	0.1812 (0.1219)	-0.0553* (0.0285)
Employment prob	-2.6678*** (0.7789)	1.6528*** (0.4664)	-2.7368* (1.4841)	1.0451** (0.4520)
CellphoneUsersXlogGDPpp-1	-0.0066*** (0.0020)	-0.0016*** (0.0006)	-0.0104** (0.0051)	-0.0016*** (0.0006)
Constant	12.9597*** (1.0889)		12.6221*** (2.2885)	7.0581*** (0.5415)
Observations	497	497	169	497
R <sup>2</sup>	0.1645	0.1643	0.1852	0.1392
Adjusted R <sup>2</sup>	0.1622	0.1064	0.1775	0.1373

*Note:*

\*p&lt;0.1; \*\*p&lt;0.05; \*\*\*p&lt;0.01