

Push or Pull: The Influence of ICT on Emigration Flows

A. Reyla and A. Montes

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Presentation Outline

- Research Question
- Theoretical Framework
- Methodology
- Descriptive Statistics
- Results
- Conclusion & Limitations

Motivation & Research Question

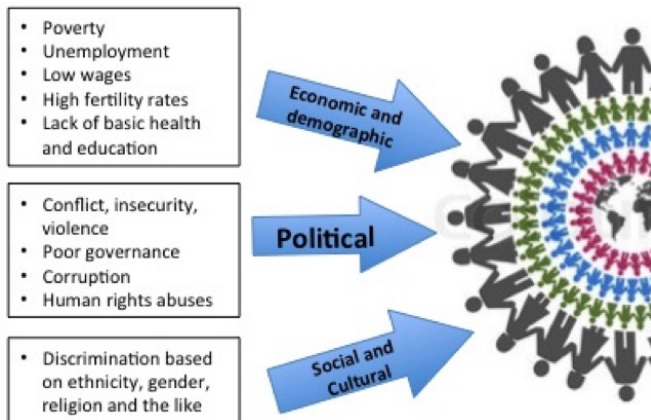
Computer mediated communication has created new possibilities for migrants to maintain strong linkages and ties with their home nations (Hiller, 2004)

- 1 We are interested in analysing the historical development of ICTs and its impact on migration

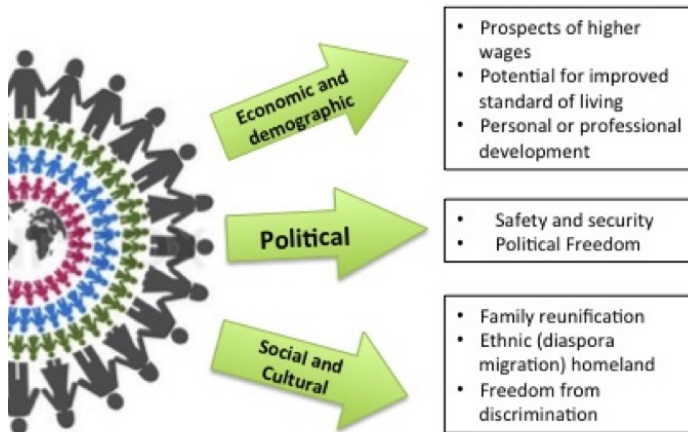
- 2

Research Questions: Has the increase use of technologies, such as the Internet and mobile phones affected the flows of emigration?

Theoretical Framework - Push Factors



Theoretical Framework - Pull Factors



Methodology

Model 1: Cellphone Users

$$\frac{I_{Migration}}{Poptotal} = \beta_0 + \beta_1 Cell + \beta_2 FertRate + \beta_3 PoliStab + \beta_4 EmployProb + \epsilon_{it}$$

Model 2: Internet Users

$$\frac{I_{Migration}}{Poptotal} = \beta_0 + \beta_1 Net + \beta_2 FertRate + \beta_3 PoliStab + \beta_4 EmployProb + \epsilon_{it}$$

Datasets:

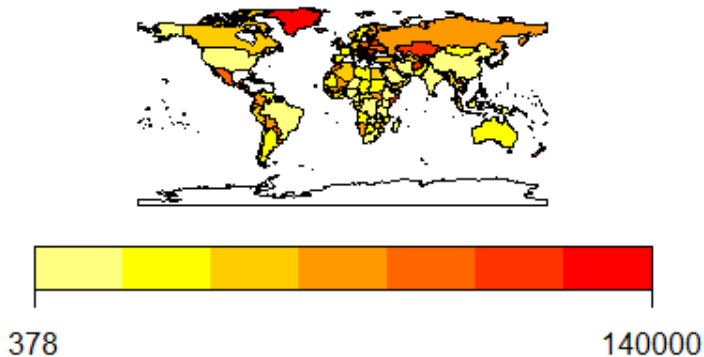
- UN Migration Stock 1990-2013 and World Bank Indicators

Methodology:

- Panel regression with fixed effects

Descriptive Statistics

Number of emigrants per capita 2013



Emigration Flow

Emigration Flow

Emigration Flow

Results: Model 1, Cellphone Users as proxy

Table 1:Fixed effects regression

	<i>Dependent variable:</i>
	logmigrationpercap
CellphoneUsers	0.001*** (0.0002)
FertilityRate	0.040 (0.032)
PoliticalStability	−0.059** (0.029)
logGDPPerCapita	0.015*** (0.005)

Results: Model 2, Internet Users as proxy

Table 2:Fixed effects regression

	<i>Dependent variable:</i>
	logemigrationpercap
InternetUsers	0.002*** (0.001)
FertilityRate	−0.010 (0.030)
PoliticalStability	−0.062** (0.029)
logGDPPerCapita	0.020*** (0.005)

Conclusion & Limitations

- Panel regression using within, between, pools estimators were used when analyzing the
- The results show that cellphone /or Internet usage is significant to explain the change in immigration inside a country.
- The more technology is introduced in the country, the more it will incentivize or “push” migration out of the country.
- This suggests that the technological differences across the countries are not a relevant factor to explain immigration across countries.