LABOR MARKET DYNAMICS AND DEVELOPMENT

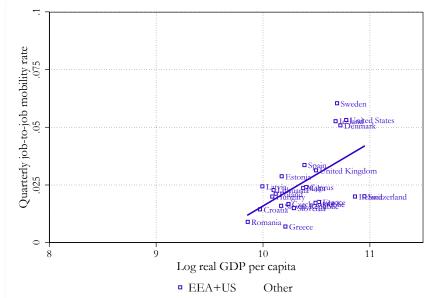
Authors: Kevin Donovan, Will Jianyu Lu & Todd Schoellman Nber Si efg 2020

DISCUSSANT: NIKLAS ENGBOM NEW YORK UNIVERSITY

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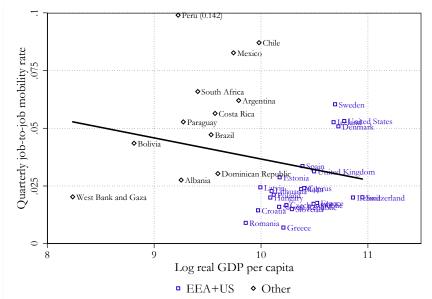
FIGURE I: QUARTERLY JOB-TO-JOB MOBILITY & REAL GDP PER CAPITA



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 - DLS: Not true once analysis expanded to poorer countries!

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SUMMARY OF DLS

- Document 3 cross-country facts on poorer vs rich countries
 - I. Labor market flows are higher in poorer countries!
 - 2. Mobility falls more with tenure
 - 3. Wages grow more with tenure
- Show that these patterns are consistent with
 - I. Jobs are experience goods in poorer countries (Jovanovic, 1979)
 - 2. Faster climbing of job ladder (Burdett & Mortensen, 1998)
- Disaggregate results by worker & firm observables
 - Can jointly account for up to half of patterns

OVERALL IMPRESSION & ROADMAP

Impressive major data collection endeavor

- Standardized LFS from 42 countries
- o Important contribution to literature focused on developed countries
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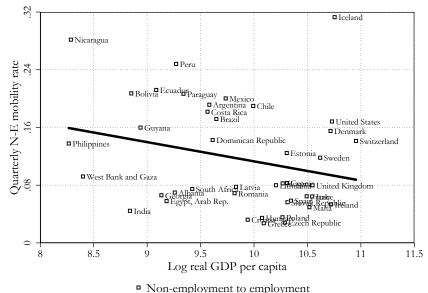
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My discussion

- Brief comments on & robustness with respect to the facts
- What do we make from these facts? Causality? Should we care?

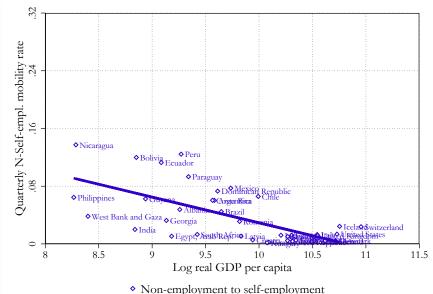
ROBUSTNESS OF FACTS: N-E RATE IS HIGHER IN POORER COUNTRIES

FIGURE II: QUARTERLY NON-EMPLOYMENT TO EMPLOYMENT RATE



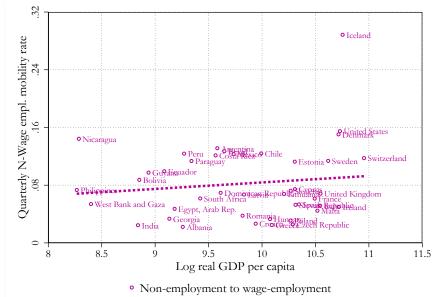
N-E RATE IS HIGHER IN POORER COUNTRIES DUE TO SELF-EMPLOYMENT

FIGURE III: QUARTERLY NON-EMPLOYMENT TO SELF-EMPLOYMENT RATE



N-WAGE EMPLOYMENT RATE IS NOT HIGHER IN POORER COUNTRIES

FIGURE IV: QUARTERLY NON-EMPLOYMENT TO WAGE EMPLOYMENT RATE



N-E RATE IS HIGHER IN POORER COUNTRIES

- Yes, N-E rate is higher in poorer countries
 - Naïve interpretation may be lower LM frictions in poorer countries
 - But accounted for by higher flow to self-employment
- o Is matching function approach best way to understand this pattern?
 - I would dissect flows in this dimension to guide theory
 - Consider incorporating SE (Albrecht et al, 2009, Poschke, 2019, etc)

ROBUSTNESS OF FACTS: J-J RATE & CLUSTERING

- An observation in DLS is a country-year
 - Are year t and t+1 for given c really independent observations?
 - \circ ρ of residual: 0.96 (plus evidence of higher-order terms)
- Why not cluster standard errors by country?

Table 1: J-J rate on GDP with s.e. clustered at country-level

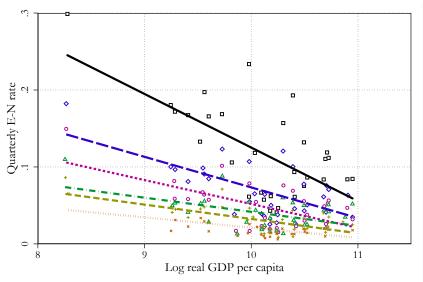
	(1)	(2)	
Log GDP per capita	-0.012***	-0.012	
	(0.002)	(0.012)	
p-value	0.000	0.348	
Clustering	None	Country	

Note: Regression of J-J rate on log GDP per capita at country-year level. Standard errors either not clustered or clustered at country

level. *** statistically significant at 1%.

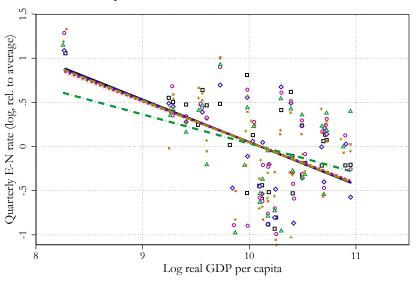
MOBILITY-TENURE PROFILE IN LEVELS OR LOGS?

FIGURE V: QUARTERLY E-N RATE BY TENURE — ABSOLUTE



MOBILITY-TENURE PROFILE IN LEVELS OR LOGS?

FIGURE VI: QUARTERLY E-N RATE BY TENURE — RELATIVE



□ 0-6 months • 6-12 months • 1-2 years • 2-5 years • 5-10 years • 10+

MY TAKE ON FACTS & IMPLICATIONS FOR THEORY

Robust pattern: higher aggregate E-N rate in poorer countries

- Want theory of endogenous separations
- Benchmark job ladder model cannot generate higher E-N hazard
- And I think proportional shift is at odds with learning story (?)

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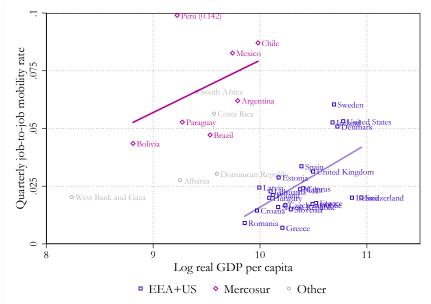
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 - o Or more disperse shocks in poorer countries (Asker et al, 2014)
 - Or financial constraints impacting firms' ability to smooth shocks?
- How much can we learn from a correlation btw flows and GDP?
 - LM frictions not important driver of productivity differences?

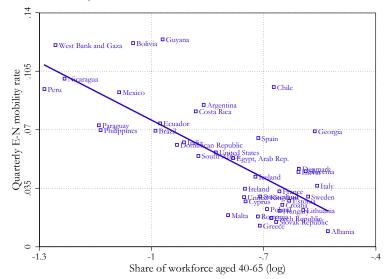
FIGURE VII: QUARTERLY J-J MOBILITY & REAL GDP PER CAPITA



$\texttt{DEVELOPMENT} \overset{\texttt{CORR}}{\leftrightarrow} \texttt{DEMOGRAPHICS} \Rightarrow \texttt{FLOWS}$

Poorer countries have younger workforce ⇒ higher flows

FIGURE VIII: QUARTERLY E-N RATE & SHARE OF MATURE WORKERS



WORKERS ARE LESS MOBILE IN OLDER ECONOMIES COND. ON OWN AGE

$$\log y_{cta} = gdp_{ct} + A_a + \varepsilon_{cta}$$

Table 2: Flows on GDP & share of workforce aged 40–65

	(1)	(2)	(3)	(4)
	E-N		J-J	
GDP	-0.434***		-0.104	
	-0.434*** (0.098)		(0.241)	

Note: Regression of E-N/J-J rate on log GDP per capita and log share of workforce aged 40–65 at country-year-age level with age controls. Standard errors clustered at country level. *** statistically significant at 1%.

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	E-N	E-N	J-J	J-J
GDP	-0.434*** (0.098)	-0.197 (0.131)	-0.104 (0.241)	0.437 (0.281)
Share 40-65		- 1.214*** (0.414)		- 2.258*** (0.735)

Note: Regression of E-N/J-J rate on log GDP per capita and log share of workforce aged 40-65 at country-year-age level with age controls. Standard errors clustered at country level. *** statistically significant at 1%.

- Important contribution: Labor market flows in poorer countries
- My reading of facts: Robust pattern is higher aggregate E-N rate
 - Want theory that can speak to that
- Outstanding questions
 - I. How much can we learn from a correlation between flows and GDP across countries at very different stages of development?
 - $\circ~$ Flows \Rightarrow Development? Development \Rightarrow flows? Or some 3rd factor?
 - 2. Do these differences matter?
 - They do not directly enter utility function (like e.g. hours worked)
 - Need some way to map them to welfare

FURTHER THOUGHTS

- I. Is productivity more volatile in poorer countries?
- 2. Driven by churn or job flows?
- 3. Is mobility lower in poor countries or are poor people less mobile?
- 4. Do patterns match up with within-country time trends?

DETAILS

- $_{\rm I.}$ With EN differences, rank in JJ \neq rank in $\lambda_{\rm e}$
- 2. Include year effects in region regressions