

Discussion of

Redistributing the Gains From Trade through Progressive Taxation

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Motivation

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- Why then so much opposition to trade?
- This productivity shock is not uniform in the cross-section
 - of industries
 - of occupations and skills
 - of firms
 - of geographies
- Heterogeneity can be in the:
 - Short run (transitory)
 - Long run steady state (permanent)
 - Long run stationary equilibrium (permanent volatility)

This paper

- Dynamic DFS model with:
 - ① spacial production and mobility costs
 - ② incomplete asset markets (as in Bewley-Aiyagari model)
 - natural benchmark: complete markets and mobility costs
 - ③ dynamics of (idiosyncratic) comparative advantage
 - allows to study ADH identification strategy
 - ④ cross-section income inequality and a redistributive tax system

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 - Each location (island) ω characterized by productivity $p_w(\omega)z_h(\omega)$, number of workers $\mu_h(\omega)$ and distribution of their wealth $\lambda(a; \omega)$

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- Comparison across steady states with different trade costs
 - Long-run gains for everyone, but with more volatility (Cosar, Guner and Tybout 16)
 - Less terms-of-trade insurance in the open economy (Stiglitz 82, Spector 01, Rodrik 98, Epifani and Gancia 08)
 - Transitory inequality and permanent losses from misallocation (Hopenhayn and Rogerson 93, Hornstein, Krusell and Violante 11)

Goal of the paper

- Study the optimal degree of progressivity of the tax system
 - insurance benefit vs misallocation cost
(reduces incentive to reallocate towards high productivity islands)
 - the model designed to have a small intensive margin response
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- Redistribution is not a direct policy instrument
 - creates a tradeoff between equity and efficiency
 - but this tradeoff is not unavoidable
- Indeed, subsidy to mobility cost is a direct policy instrument
 - results in no tradeoff
 - lower trade costs justify a greater subsidy?
 - why this subsidy is not possible? information cost? lack of lump-sum tax to support it?

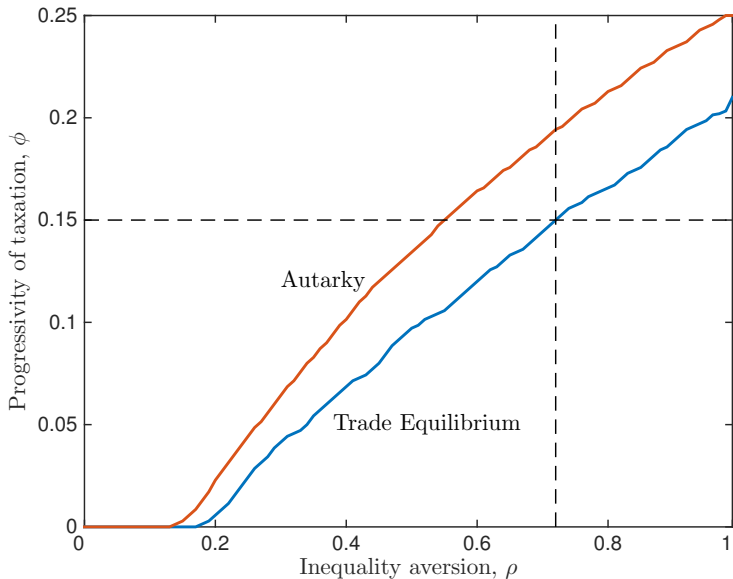
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 - interesting, in view that in this model inequality is transitory, while misallocation has a long-run cost
- ② More trade openness would justify more redistribution
 - Different conclusion from papers with long-run heterogeneous outcomes and extensive margin of trade (Itskhoki 08, AGI 17)
 - Why? Trade has a direct effect on volatility. Mobility costs create misallocation wedge, which is not very sensitive to trade.
 - Interesting to decompose these effects

Trade and Optimal Progressivity in Antràs, De Gortari and Itskhoki (2017)



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- ⑤ A puzzle of the rust belt!

What are the islands?

- Islands are an abstraction. Do they correspond to geographies, industries, occupation or firms?
- Comparative advantage $p_w(\omega)z_h(\omega)$ is calibrated to individual income process, and the role of trade is recovered structurally
But one could use direct data on comparative advantage (e.g., Hanson, Lind and Muendler 16)
- Without mobility costs, all agents would go to a single island
How large are the mobility costs relative to CA reversion?
Large gross flows and insufficient net flows?