LABOR MARKET POWER & THE DISTORTING EFFECTS OF INTERNATIONAL TRADE

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WHAT DOES THE STUDY DO?

- Question: How do trade shocks shape and interact with labor market distortions that create market power in labor markets and prevent an efficient allocation of labor?
- Builds a simple partial equilibrium framework to answer this question



Production: $Q_{it}(.) = Q_{it}(L_{it}, M_{it}, K_{it}, \omega_{it})$

HOW TO CALCULATE LABOR MARKET DISTORTIONS



Observed wages are:
$$V_{it}^{L} = (V_{it}^{L^*} + \delta_{it}^{L})$$

 $V_{it}^{L^*} = MRPL_{it}$

WHY IS THIS INTERESTING?

- Gains/losses from trade in terms of allocative efficiency \rightarrow welfare gains change with imperfect labor markets \rightarrow over/underestimation of trade gains
- Rent sharing between firms and employees → who loses and gains from trade?
 - Framework readily extendable to other data sources



Intermediate input markets: $V_{it}^{M} = MRPM_{it}$

Distortion: $f_{it}(S_{it}) = \delta_{it}^L = \frac{V_{it}^L L_{it}}{L_{it}} - \frac{\alpha_{it}^L}{\alpha_{it}^M} * \frac{V_{it}^M M_{it}}{L_{it}}$



 $\delta_{it}^L \rightarrow \text{Distributional aspects}$ $\delta_{it}^L < o$ Labor market power for firms δ_{it}^{L} > o Labor market power for workforce



 $|\delta_{it}^{L}| \rightarrow$ Firm contribution to inefficiency

i = firm; t = period; j = sector; $Q_{it} = output; L = labor; K = capital;$ $M = intermediates; \omega_{it} = TFP;$ $V_{it}^X = observed unit costs for X;$ $V_{it}^{X^*} = optimal unit costs for X;$ $\alpha_{it}^X = output \ elasticity \ for \ X;$ $MPX_{it} = marginal \ product \ of \ X;$ $\delta_{it}^{X} = input market distortion for X;$ $X = \{L, K, M\}$ S_{it} = sources of distortions

SOURCES OF LABOR MARKET POWER





Information frictions



Firm profitability

(Incomplete) | pass-through



- Contribution to allocative **in**efficiency
- Change in workers' labor market power



- Firms with labor market power do not raise labor expenditures after export profit





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