Import Competition and Employment Dynamics

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In order to quantify the effect of foreign competition in domestic industries and to elucidate the cross-country

differences that have been observed in response to intensified import competition, this paper presents and

estimates an open industry model under monopolistic competition and aggregate uncertainty. It provides a

novel method for rigorously characterizing how firms adjust to intensified import competition and aggregate

shocks in a structural framework. In the model, heterogeneous firms face competition both from outside the

country through imports and from inside the country in the domestic market. Firms react to changes in the

competitive environment through both hiring and firing on the intensive margin and entry and exit on the

extensive margin.

Plant-level panel data are used to estimate the model's parameters, including the sunk start-up costs faced

by new firms, fixed per period costs, the stochastic process that governs firms' idiosyncratic productivity

shocks, and the adjustment costs associated with changing employment levels. Then, with the estimates of

the structural parameters, the model is used to characterize and quantify the effects of intensified import

competition on job turnover patterns, productivity distributions, and entry and exit patterns of the firms.

The model also characterizes the interactions among intensified import competition, labor market regulation

and exchange rate regime. Thus it elucidates the cross-country, cross-industry differences that have been

observed in response to heightened import competition.

The model predicts the associated changes in aggregate productivity, employment, job flow patterns and

mark-ups in the new long-run equilibrium as well as the nature of the transition process when openness

changes, and the role of adjustment costs in shaping firms' behavior.

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Job Creation and Job Destruction