

Quantitative Analysis in International Trade

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These lectures will lay out a theoretical framework for quantitative analysis in trade, and will apply it to a number of issues.

The lectures are organized around a manuscript I am writing with Jonathan Eaton:

Technology in the Global Economy: A Framework for Quantitative Analysis (henceforth, TGE)

Lecture 1 (October 10): Background

TGE, chapters 2 and 3.

Dornbusch, R., S. Fischer, and P. A. Samuelson (1977), “Comparative Advantage, Trade, and Payments with a Continuum of Goods,” *American Economic Review*, 67: 823-839.

Lecture 2 (October 12): General Theoretical Framework

TGE, chapters 4 and 5.

Melitz, M. (2003), “The Impact of Trade on Intra-Industry Reallocations and Aggregate Industry Productivity,” *Econometrica*, 71: 1695-1726.

Lecture 3 (October 17): Application to Aggregate Trade

TGE, chapter 6.

Eaton, J. and S. Kortum, (2002), “Technology, Geography, and Trade,” *Econometrica*, 70: 1741-1780.

Alvarez, F. and R.E. Lucas (2005), “General Equilibrium Analysis of the Eaton-Kortum Model of International Trade.”

Lecture 4 (October 19): Application to the Producer Level

Bernard, A. B., J. Eaton, J. B. Jensen, and S. Kortum (2003), “Plants and Productivity in International Trade,” *American Economic Review*, 93: 1268-1290.

Eaton, J., S. Kortum, and F. Kramarz, (2005), “An Anatomy of International Trade: Evidence from French Firms.”

Chaney, T. (2005), “Distorted Gravity: Heterogeneous Firms, Market Structure, and the Geography of International Trade.”