

Quantitative Analysis in Competition and Regulation Policy

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Agenda

Class: Monday 14:00 – 17:00 MC203.

Exam: Student Applied IO Workshop (after written exams – one or two days)

Each student will have to present an article (45 minutes) and will have to discuss the presentation of another student. The articles are drawn from the most recent research.

Training: Two problem sets requiring the estimation of models on real data will be proposed.

Objective

Model specification: how to combine data, economic models and statistical methods

Main topics

Part One: Econometrics of regulation

Part Two: Empirical methods for competition policy

Reading list

On Part One

Reference or textbook

Greene, *The Econometric Approach to Efficiency Analysis*, Oxford University Press.

Kumbhakar and Lovel, *Stochastic Frontier Analysis*, Cambridge University Press

My Articles and the reference herein

The Cost of Contract Renegotiation: Evidence from the Local Public Sector, co-authors: P. Gagnepain and D. Martimort, *American Economic Review*, 103(6), 2013, p2352-83.

Incentive Regulatory Policies: The Case of Public Transit Systems in France, co-auteur: P. Gagnepain, *Rand Journal of Economics*, 33:4, 1-25, 2002.

Stochastic Frontiers and Asymmetric Information Models, co-author: P. Gagnepain, *Journal of Productivity Analysis*, 18:2, 145-159, 2002.

Density and Integration Effects on Class I U.S. Freight Railroads, co-author : G. J. McCullough, *Journal of Regulatory Economics*, 19:2, pp. 161-182, 2001.

Rent Extraction and Incentives in Recent Regulatory Proposals, co-authors: F. Gasmi and J.J. Laffont, *Journal of Regulatory Economics*, 6, pp. 151-176, 1994.

Competition under Nonlinear Pricing, co-author: D. Martimort, *Annales d'Economie et de Statistique*, 34, pp. 71-115, 1994.

On Part Two:

Textbooks

Peter Davis and Eliana Garces, *Quantitative techniques for competition and antitrust analysis*,
Princeton University Press

Bruce Lyons (editor), *Cases in European Competition Policy*, Cambridge University Press

Simon Bishop and Mike Walker, *The Economics of EC Competition Law*, Sweet & Maxwell.

Kenneth Train, *Discrete Choice Methods with Simulation*, Cambridge University Press

My Articles and the references herein

Implementation of Relevant Market Tests in Antitrust Policy: Application to Computer Servers, co-
author: S. Lorincz, *The Review of Law & Economics*, Vol. 7, Issue 1, 2011, p.31-73.

Quantifying the Effects from Horizontal Mergers in European Competition Policy, co-author: F.
Verboven, *International Journal of Industrial Organization*, vol. 23, n° 9, December 2005, p.
669-691.

The Economics of Tacit Collusion in Merger Analysis, co-authors: Bruno Jullien, Patrick Rey, Paul
Seabright and Jean Tirole, in Vivek Ghosal and Johan Stennek (editors), *The Political Economy
of Antitrust*, Chapter 8, 2007.

Operating System Prices in the Home PC Market, co-author: J. Foncel, *Journal of Industrial Economics*,
53:2, 265-298, 2005.