

Curriculum Vitae
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Name: Jordi Jaumandreu
Citizenship: Spain
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Work Address: Boston University
Department of Economics
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Primary fields

Industrial Organization, Applied Microeconomics, Microeconometrics.

Education

1987: Ph.D. in Economics, UNED (Madrid).
1982: BSc in Economics, Universidad Complutense de Madrid.

Professional experience

2015- : Senior Academic Researcher and Senior Lecturer, Department of Economics, Boston University.

2008-2014: Senior Academic Researcher and Lecturer, Department of Economics, Boston University.

2007-2008: Visiting Scholar and Lecturer, Department of Economics, Boston University

2005-2009: Associate Professor with tenure, Department of Economics, Universidad Carlos III de Madrid.

2004-2005: Visiting Scholar, Department of Economics, Harvard University.

2000-2004: Visiting Professor, Department of Economics, Universidad Carlos III de Madrid.

1996-2000: Director PIE-FEP (Programa de Investigaciones Económicas-Fundación Empresa Pública), Ministry of Industry, Madrid.

1990-1995: Subdirector PIE-FEP.

1988-1989: Visiting Scholar, Nuffield College, University of Oxford.

1987-1993: Associate Professor with tenure, Department of Economics, UNED (Madrid)

1984-1989: Assistant and Research Fellow PIE-FEP.

Other academic appointments

2006- : Research Fellow, CEPR (Centre for Economic Policy Research).

2006- 2008: Associate Editor, *Spanish Economic Review*.

2006-2007: Director, *School of the Economics of Innovation Zvi Griliches*, Universidad Internacional Menéndez Pelayo.

2003-2006: Board of Directors, ESSID (European Summer School on Industrial Dynamics).

1999-2004: Executive Committee, EARIE (European Association for Research in Industrial Economics).

2002: Chairman of the Local Organizing Committee of the 29th Annual EARIE Conference.

1996-1999: Organizing Committee, *Jornadas de Economía Industrial*

1990-1995: Editorial Committee, *Investigaciones Economicas*.

Publications and work in progress in English

Articles:

Measuring the bias of technological change, with U. Doraszelski, forthcoming at *Journal of Political Economy*.

Does innovation stimulate employment? A firm-level analysis using comparable micro data on four European countries, with R. Harrison, J. Mairesse and B. Peters, *International Journal of Industrial Organization*, 35, 29-43, 2014.

R&D and productivity: Estimating endogenous productivity, with U. Doraszelski, *The Review of Economic Studies*, 80, 1338-1383, 2013.

Automobile demand, model cycle and age effects, with M.J. Moral, *Spanish Economic Review*, 9, 193-218, 2007 (best SER article prize 2006-2007).

Panel data estimates of the production function and the revenue function: What difference does it make? with J. Mairesse, *Scandinavian Journal of Economics*, 107, 651-672, 2005.

Barriers to innovation and subsidy effectiveness, with X. González and C. Pazó, *Rand Journal of Economics*, 36, 930-950, 2005.

Firms' age, process innovation and productivity growth, with E. Huergo, *International Journal of Industrial Organization*, 22, 541-559, 2004.

Entry, exit and productivity growth in Spanish manufacturing during the eighties, with A.Martin, *Spanish Economic Review*, 6, 211-226, 2004.

How does probability of process innovation change with firm age? with E. Huergo, *Small Business Economics*, 22, 193-207, 2004.

Modelling price competition across many markets. An application to the Spanish loans market, with J. Lorences, *European Economic Review*, 46, 93-115, 2002.

An empirical oligopoly model of a regulated market, with C. Pazó, *International Journal of Industrial Organization* 17, 25-57, 1999.

Input cost, capacity utilization and substitution in the short run, with M. Delgado and A. Martín-Marcos, *Spanish Economic Review* 3, 239-262, 1999.

Other:

Disentangling the effects of process and product innovation on cost and demand, with J. Mairesse, *Economics of Innovation and New Technology*, 2016.

What explains the evolution of productivity and competitiveness? The innovation link, in Gemawhat, P. and X. Vives eds., *Competitiveness in Catalonia*, 2009.

Submitted:

Cost and product advantages: A firm-level model for the Chinese industry and exports growth, with Heng Yin, 2016.

Work in progress and working papers:

Innovation and Prices, with Shuheng Lin, 2016.

Endogenous input quality variation as a help to estimate the production function, not a nuisance, 2016.

Biased technological change and employment, with U. Doraszelski, 2016.

Innovation and welfare: Results from joint estimation of production and demand functions, with J. Mairesse, NBER Working Paper 16221.

Identifying oligopoly pricing behaviour: Incumbents reaction to tariffs dismantling, with M.J. Moral.

Assessing competition by means of pricing equations: Domestic codeshare in US airlines, with Ying Li.

Innovation and jobs: evidence from manufacturing firms, with A. García and C. Rodríguez.

National differences in innovation behaviour: facts and explanations, with L. Abramowsky, E. Kremp and B. Peters.

Growing to become European or a European alibi for market power? An analysis of the Spanish Banking Mergers, with J. Lorences and L. Orea.

Price dynamics at the firm level: Evidence on costs of adjustment, with M. Delgado and A. Martín Marcos.

Collusion without threats: price coalitions as Nash perfect equilibria.

Non-parametric estimation of adjustment cost curves of employment, with M. Delgado.

Some publications in Spanish

Books and book chapters:

La Encuesta sobre estrategias Empresariales (ESEE): Una nota, with J.C. Farinas, in Lucena, M. and Repullo, R., *Ensayos sobre economía y política económica*, Antoni Bosch, 2013.

Relaciones para la innovación de las empresas con las administraciones. Informes sobre el sistema español de innovación, coordinator, COTEC, 2000.

Estructura y actividad de las empresas de Madrid, with J.C. Fariñas et al., C. de Madrid, 1999.

La empresa industrial en la década de los noventa, with J. C. Fariñas et al., Fundación Argentaria/Visor, 1999.

Un panorama de la industria española, with J. Segura et al., MICYT, 1992.

La PYME industrial en España, with J.C. Fariñas et al., Civitas, 1992.

La industria española en la crisis 1978-84, with J. Segura et al., Alianza Econ. y Finanzas, 1989.

Articles:

More than 30 articles in Spanish professional and scientific journals.

Invited Lectures and Keynote speeches:

Biased technological change and employment, 7th IRIMA Workshop, Brussels, June 2016.

Estimating endogenous productivity, XXX Jornadas de Economía Industrial, Alicante, September 2015.

Innovation and Employment, 6th ZEW/MaCCI Conference on the Economics of Innovation and Patenting, Mannheim, July 2015.

Innovation and Employment, Kiel Institute Summer School on Economic Policy, Kiel, June 2015.

The impact on employment of the Bias of Technological Change, Project WWW for Europe, WIFO, Viena, September 2014.

Teaching experience

Introductory Micro and Macroeconomics, Economic analysis for managers, Intermediate Microeconomics, Industrial Organization, Regulation and Antitrust, Master Statistics for Economics, PhD Microeconomics, PhD Industrial Organization, PhD Empirical Industrial Organization, PhD Microeconometrics

Teaching Awards

NEU Family Award for Excellence in Teaching Economics, Department of Economics Boston University, 2013.

Ph.D. advising and committees

Current advising:

Maria Palacios, Boston University.

Laia Jaumandreu, *Spatial nonparametric structure-function relationship in glaucomas and healthy patients measured with OCT Spectralis and Humphrey perimetry*, Universidad de Alcala de Henares.

Commitees at BU:

Shuheng Lin, *Innovation and productivity growth with heterogeneous firms*, 2016.

Wei Yu, *Empirical analysis of dynamics in demand and pricing*, 2015.

Yang Li, *Empirical Analysis of the Airline Industry on the US-China Route*, 2014.

Karina Veliz, *The impact of Climate Change on the US Power sector: Price and Quantity Effects*, 2013.

Jinwei Sun, *Three essays on modern economic development in China*, 2013.

Guillem Riambau, *Essays in strategic electoral behavior*, 2012.

Nilay Yilmaz, *Changes in market structure in the Internet Era: banking and yellow pages advertising*, 2012.

Jordi Vidal-Robert, *Essays on the Spanish Inquisicion*, 2012.

Chien-Yuan Sher, *Voting behavior and political campaigns*, 2012.

Hyo-Youm Chu, *Three essays on investments and international trade*, 2012.

Gabriel Fernandez, *Determinants of the individual demand for private health care*, 2011.

Caixia Shen, *The effects of domestic airlines code-sharing on cost, markups and consumer welfare*, 2011.

Yun Mi Nam, *Essays on risk and organizational form*, 2010.

Sheny Jiang, *Essays on hospital technology adoption and health insurance*, 2010.

Ana Teran Romero, *Essays on Banking*, 2009.

Chun Yu Ho, *Demand estimation for banking services in China*, 2008.

Ph.D. theses supervised before BU:

Essays in Industrial Organization, R. de Elejalde, Universidad Carlos III, 2016.

Advertising and information diffusion for a new product. A. Barroso, CEMFI, 2009.

Essays on innovation and firms' productive activity (contribution), A. López, Universidad Complutense de Madrid, 2008. Determinants for R&D cooperation: Evidence from Spanish

manufacturing firms, *IJIO*, 26, 2008. Understanding co-operation in innovation activities: Evidence from four European countries (with others), *EINT*, 18, 2009.

Essays in modeling entry decisions in differentiated product markets. X.L.Varela Irimia, Universidad Carlos III, 2007.

Incentivos fiscales a la I+D: participación de las empresas y efectividad, B.Corchuelo, Universidad de Extremadura, 2007. Incentivos fiscales en I+D y decisiones de innovación, *REA* 40, 2006.

Modelos de estructura de mercado. Aplicaciones en el sector bancario español al por menor. R. De Juan, UNED, 2001. The independent submarkets model: An application to the Spanish retail banking market, *IJIO* 21, 2003.

Modelos de oligopolio en un mercado de producto diferenciado. Aplicación al sector del automóvil. M.J. Moral, Universidad Complutense, 1999. Automobile demand, model cycle and price effects, *Spanish Economic Review*, 2006.

Márgenes y cuotas de mercado. Un análisis econométrico con datos individuales. E. Gracia, Universidad Complutense, 1996. Márgenes y cuotas de mercado, *Investigaciones Económicas*, 1998.

Modelos empíricos de oligopolio: una aplicación en un mercado regulado. C. Pazó, Universidad de Vigo, 1994. An empirical oligopoly model of a regulated market, *IJIO* 17, 1999.

Medida y determinantes de la productividad: una aplicación a la industria española (with J.Segura). A. Martín Marcos, UNED, 1993. Entry, exit and productivity growth in Spanish manufacturing during the eighties, *Spanish Economic Review*, 2004.

Other relevant research activities

Responsible for the design, implementation and monitoring (from 1990 to 2000) of the annual survey *Encuesta sobre Estrategias Empresariales*, a project to collect panel data from a representative sample of 2000 Spanish manufacturing firms, financed by the Ministry of Industry (<http://www.funep.es>).

Coordinator of the group for the development of a firms' innovation panel data base, PITEC, INE (Statistical Office), COTEC and FECYT, 2005-2009. (http://icono.fecyt.es/PITEC/Paginas/descarga_bbdd.aspx).

Research grants awarded

Principal Investigator of the NSF grant for collaborative research BU/Harvard University (U.Doraszelski), Measuring the Bias of Technological Change, 2009-2012.

Spanish DGI project "Productivity, Innovation and firm behavior: applications with panel microdata," PI J.C. Fariñas, 2008-2010.

Spanish DGI project "Productivity, Innovation and competition: applications with panel microdata," PI J.C. Fariñas, 2005-2007.

Principal Investigator of the European research project (European Commission) "Innovation and Employment in European Firms: Microeconomic Evidence," coordinated by Universidad Carlos III with the participation of CREST (France), IFS (United Kingdom) and ZEW

(Germany), 2002-2005.

Principal Investigator of the Spanish research projects (MCYT) “Structure, behavior and performance of manufacturing firms. Industrial economics applications with panel microdata” (1997-00) and “Innovation, competition and firms’ strategies. Industrial economics applications with panel microdata”(2000-03).

Other professional activities

Member of the Program Committee of the 14th and 15th Annual International Industrial Organization Conference, Philadelphia 2016 and Boston 2017.

External Scientific Adviser for the Inter American Development Bank on the project: “Innovation efforts and productivity dynamics: Evidence from Latin American Countries,” 2016.

Presenter at the course Impact Evaluation in Practice, organized by the Inter American Development Bank, Santiago de Chile, October 2014, "Firm-level Panel Data Collection. Two Experiences: ESEE and PITEC".

External Scientific Adviser for the Inter American Development Bank on the project: “The next step in evaluating productive development policies: spillovers, program complementarities and heterogeneous impact,” 2012-2013.

Member of the Scientific Committee of the ZEW and ZEW/MaCCI Conferences on the Economics on Innovation and Patenting, 2005, 2008, 2013, 2015 and 2016.

Consultor for the Inter American Development Bank on the report “The Age of Productivity: Transforming Economies from the Bottom Up,” 2009.

Chairman of the Recruitment Committee of the Department of Economics, Universidad Carlos III de Madrid, 2006-2007.

External consultant for the *Competitiveness Report*, DG Enterprise, WIFO 2004.

Referee for:

American Economic Review, Review of Economic Studies, Quarterly Journal of Economics, Review of Economics and Statistics, Rand Journal of Economics, International Economic Review, European Economic Review, American Economic Journal: Applied, Economic Journal, International Journal of Industrial Organization, Journal of Industrial Economics, Review of Industrial Organization, Management Science, Canadian Journal of Economics, Annales d’Economie et de Statistique, Journal of Applied Econometrics, Economic Enquiry, Oxford Economic Papers, Journal of Economic Surveys, Economics of Innovation and New Technology, Labour Economics, Regional Science and Urban Economics, Structural Change and Economic Dynamics, Industrial and Corporate Change, National Science Foundation (US), The British Academy (UK), Agence Nationale de la Recherche (France), SERIEs, Spanish Economic Review, Investigaciones Económicas, Revista de Economía Aplicada, Hacienda Pública, Historia Industrial.