

## Paulo de Freitas Guimarães

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Economics and Research Department  
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### Education

Universidade do Porto  
“Agregação” in Economics, 2012  
University of South Carolina  
Ph.D. in Economics, 1987-1992  
Universidade do Porto  
Licenciatura in Economics (*Summa cum Laude*), 1981-1986

### Professional experience

Banco de Portugal  
*Deputy Head*, Economics and Research Department, since 2014

### Teaching experience

Universidade do Porto  
*Associate Professor (invited)*<sup>1</sup>, Department of Economics, since 2011  
American University of Sharjah, U.A.E.  
*Associate Professor*, Department of Economics, from 2013 to 2014  
University of South Carolina, U.S.A.  
*Research Associate Professor*, Department of Economics, from 2007 to 2011  
Medical University of South Carolina, U.S.A.  
*Research Assistant Professor*<sup>1</sup>, Department of Biostatistics, from 2002 to 2007  
Universidade do Minho  
*Associate Professor*<sup>1</sup>, Department of Economics, from 1994 to 2002  
Universidade do Porto  
*Assistant Professor*<sup>1</sup>, Department of Economics, from 1986 to 1994

### Research interests

Applied Microeconometrics. Analysis of Large Data Sets.

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<sup>1</sup>Last position at institution

### **Refereed publications**

“What drives the gender wage gap? A look at the role of firm and job-title heterogeneity” (with A. R. Cardoso and P. Portugal), *Oxford Economic Papers*, Vol. 68(2), 2016, pp. 506-524

“Industry Localization, Distance Decay, and Knowledge Spillovers: Following the Patent Paper Trail” (with O. Figueiredo and D. Woodward), *Journal of Urban Economics*, Vol. 89(1), 2015, pp. 21-31

“Creative clustering: The location of independent inventors” (with J. Munn and D. Woodward), *Papers in Regional Science*, Vol. 94(1), 2015, pp. 45-65

“Trademarks and British Dominance in Consumer Goods, 1876-1914” (with T. Lopes), *Economic History Review*, Vol. 67(3), 2014, pp. 793-817

“Firm–worker matching in industrial clusters” (with O. Figueiredo and D. Woodward), *Journal of Economic Geography*, Vol. 14(1), 2014, pp. 1-19

“A score test for group comparisons in single-index models”, *Stata Journal*, Vol. 13(4), 2013, pp. 876-883

“The price of unobservables and the employer-size wage premium” (with J. Cerejeira), *Economics Letters*, Vol. 117(3), 2012, pp. 878-880

“Real Wages and the Business Cycle: Accounting for Worker, Firm and Job-Title Heterogeneity” (with A. Carneiro and P. Portugal), *American Economic Journal: Macroeconomics*, Vol. 4(2), 2012, pp. 133-152

“Accounting for Neighboring Effects in Measuring Regional Concentration” (with O. Figueiredo and D. Woodward), *Journal of Regional Science*, Vol. 51(4), 2011, pp. 678-693

“Are Older Workers Worthy of Their Pay? An Empirical Investigation of Age-Productivity and Age-Wage Nexuses” (with A. Cardoso and J. Varejão), *De Economist*, Vol. 159(2), 2011, pp. 95-111

“The Viability of Informal Micro-Enterprise in South Africa” (with D. Woodward and R. Rolfe and A. Lightelm), *Journal of Developmental Entrepreneurship*, Vol. 16(1), 2011, pp. 65-86

“Confessions of an Internet Monopolist: Demand Estimation for a Versioned Information Good” (with H. Chappell and O. Ozturk), *Managerial and Decision Economics*, Vol. 32(1), 2011, pp. 1-15

“Vertical Disintegration in Marshallian Industrial Districts” (with O. Figueiredo and D. Woodward), *Regional Science and Urban Economics*, Vol. 40(1), 2010, pp. 73-78

“A Simple Feasible Procedure to Fit Models with High-Dimensional Fixed Effects” (with P. Portugal), *Stata Journal*, Vol. 10(4), 2010, pp. 628-649

“Trends in Economic Research: An International Comparison” (with A. Cardoso and K. Zimmermann), *Kyklos*, Vol. 63(4), 2010, pp. 479-494

“Comparing the Early Research Performance of PhD Graduates in Labor Economics in Europe and the USA” (with A. Cardoso and K. Zimmermann), *Scientometrics*, Vol. 84(3), 2010, pp. 621-637

“A Polytomous Conditional Likelihood Approach for Combining Matched and Unmatched Case-control Studies” (with M. Gebregziabher and W. Cozen and D. Conti), *Statistics in Medicine*, Vol. 29(9), 2010, pp. 1004-1013

“Localization Economies and Establishment Size: Was Marshall Right After All?” (with O. Figueiredo and D. Woodward), *Journal of Economic Geography*, Vol. 9(6), 2009, pp. 853-868

“Dartboard Tests for the Location Quotient” (with O. Figueiredo and D. Woodward), *Regional Science and Urban Economics*, Vol. 39(3), 2009, pp. 360-364

“The Fixed Effects Negative Binomial Revisited” , *Economics Letters*, Vol. 99(1), 2008, pp. 63-66

“Measuring the Localization of Economic Activity: A Parametric Approach” (with O. Figueiredo and D. Woodward), *Journal of Regional Science*, Vol. 47(4), 2007, pp. 753-774

“Survival Analysis and Competing Risk Models of Hospital Length of Stay and Discharge Destination: The Effect of Distributional Assumptions” (with C. Sá and C. Dismuke), *Health Services and Outcomes Research Methodology*, Vol. 7(3-4), 2007, pp. 109-124

“Controlling for Overdispersion in Grouped Conditional Logit Models: A Computationally Simple Application of Dirichlet-Multinomial Regression” (with R. Lindrooth), *Econometrics Journal*, Vol. 10, 2007, pp. 439-452

“Power and Sample Size for Randomized Play the Winner Rules” (with Y. Palesch), *Contemporary Clinical Trials*, Vol. 51(4), 2007, pp. 487-499

“Beyond the Silicon Valley: University R&D and High Technology Location” (with O. Figueiredo and D. Woodward), *Journal of Urban Economics*, Vol. 60(1), 2006, pp. 15-32

“A Simple Approach to Fit the Beta-Binomial Model”, *Stata Journal*, Vol. 5(3), 2005, pp. 385-394

“Understanding the Multinomial-Poisson Transformation”, *Stata Journal*, Vol. 4(3), 2004, pp. 265-273

“Foreign Firm Entry in an Open Economy: The Case of Portugal” (with N. Barbosa and D. Woodward), *Applied Economics*, Vol. 36(5), 2004, pp. 465-472

“Industrial Location Modeling: Extending the Random Utility Framework” (with O. Figueiredo and D. Woodward), *Journal of Regional Science*, Vol. 44(1), 2004, pp. 1-20

“A Tractable Approach to the Firm Location Decision Problem” (with O. Figueiredo and D. Woodward), *Review of Economics and Statistics*, Vol. 84(1), 2003, pp. 201-204

“Has the Caveat of Case-Mix Based Payment Influenced the Quality of Inpatient Hospital Care in Portugal?” (with C. Dismuke), *Applied Economics*, Vol. 34(10), 2002, pp. 1301-1307

“The State of Portuguese Research in Economics: An Analysis Based on Publications in International Journals”, *Portuguese Economic Journal*, Vol. 1(1), 2002, pp. 3-25

“Home-field Advantage: Location Decisions of Portuguese Entrepreneurs” (with O. Figueiredo and D. Woodward), *Journal of Urban Economics*, Vol. 52(2), 2002, pp. 341-361

“Agglomeration and the Location of Foreign Direct Investment in Portugal” (with O. Figueiredo and D. Woodward), *Journal of Urban Economics*, Vol. 47(1), 2000, pp. 115-135

“Regional Incentives and Industrial Location in Puerto Rico” (with D. Woodward and R. Rolfe), *International Regional Science Review*, Vol. 21(2), 1998, pp. 119-138

“Search Intensity in Oligopoly”, *Journal of Industrial Economics*, Vol. 44(4), 1996, pp. 415-426

“The Survival of New Plants: Start-Up Conditions and Post-Entry Evolution” (with J. Mata and P. Portugal), *International Journal of Industrial Organization*, Vol. 13(4), 1995, pp. 459-481

“Backward and Forward Linkages in Manufacturing Location Decisions Reconsidered” (with F. Hefner), *Review of Regional Studies*, Vol. 24(Winter), 1993, pp. 229-244

“An Econometric Analysis of the Economic Impacts of Hurricane Hugo” (with D. Woodward and F. Hefner), *Review of Regional Studies*, Vol. 23(Fall), 1992, pp. 97-114

**Working papers and Work in progress**

“The Sources of Wage Variation: a Three-way High-dimensional Fixed Effects Regression Model” (with S. Torres and P. Portugal)

“What Lies Behind the Returns to Schooling” (with H. Reis and P. Portugal and A. Cardoso)

“Temporary Investment Incentives and Divestment by Foreign Firms” (with J. Mata)