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### **Formação académica**

Universidade do Porto  
Agregação em Economia, 2012  
University of South Carolina, E.U.A.  
Doutoramento em Economia, 1987-1992  
Universidade do Porto  
Licenciatura em Economia, 1981-1986

### **Experiência profissional**

Banco de Portugal  
*Director-Adjunto*, Departamento de Estudos Económicos, desde 2014

### **Experiência académica**

Universidade do Porto  
*Professor Associado convidado*<sup>1</sup>, Departamento de Economia, desde 2011  
American University of Sharjah, E.A.U.  
*Professor Associado*, Departamento de Economia, de 2013 a 2014  
University of South Carolina, E.U.A.  
*Professor Associado<sup>1</sup> (Research Associate Professor)*, Departamento de Economia,  
de 2007 a 2011  
Medical University of South Carolina  
*Professor Auxiliar\* (Research Assistant Professor)*, Departamento de Bioestatística,  
de 2002 a 2007  
Universidade do Minho  
*Professor Associado<sup>1</sup>*, Departamento de Economia, de 1994 a 2002  
Universidade do Porto  
*Professor Auxiliar<sup>1</sup>*, Departamento de Economia, de 1986 a 1994

### **Áreas de especialização**

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<sup>1</sup>Última posição na instituição.

### Publicações

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

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

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

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

“Firm-worker matching in industrial clusters” (com O. Figueiredo e 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” (com 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” (com A. Carneiro e P. Portugal), *American Economic Journal: Macroeconomics*, Vol. 4(2), 2012, pp. 133-152

“Accounting for Neighboring Effects in Measuring Regional Concentration” (com O. Figueiredo e 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 Nexus” (com A. Cardoso e J. Varejão), *De Economist*, Vol. 159(2), 2011, pp. 95-111

“The Viability of Informal Micro-Enterprise in South Africa” (com D. Woodward e R. Rolfe e 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” (com H. Chappell e O. Ozturk), *Managerial and Decision Economics*, Vol. 32(1), 2011, pp. 1-15

“Vertical Disintegration in Marshallian Industrial Districts” (com O. Figueiredo e 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” (com P. Portugal), *Stata Journal*, Vol. 10(4), 2010, pp. 628-649

“Trends in Economic Research: An International Comparison” (com A. Cardoso e 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” (com A. Cardoso e K. Zimmermann), *Scientometrics*, Vol. 84(3), 2010, pp. 621-637

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

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

“Dartboard Tests for the Location Quotient” (com O. Figueiredo e 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” (com O. Figueiredo e 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” (com C. Sá e 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” (com R. Lindrooth), *Econometrics Journal*, Vol. 10, 2007, pp. 439-452

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

“Beyond the Silicon Valley: University R&D and High Technology Location” (com O. Figueiredo e 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” (com N. Barbosa e D. Woodward), *Applied Economics*, Vol. 36(5), 2004, pp. 465-472

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

“A Tractable Approach to the Firm Location Decision Problem” (com O. Figueiredo e 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?” (com 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” (com O. Figueiredo e D. Woodward), *Journal of Urban Economics*, Vol. 52(2), 2002, pp. 341-361

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

“Regional Incentives and Industrial Location in Puerto Rico” (com D. Woodward e 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” (com J. Mata e P. Portugal), *International Journal of Industrial Organization*, Vol. 13(4), 1995, pp. 459-481

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

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

### **Working papers e investigação em curso**

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

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

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