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Citizenship: Brazil (UK Indefinite Leave to  
Remain, US Permanent Resident)

Sex: Male  
Birthday: 15/11/1975

POSITIONS AND ASSOCIATIONS:

University College London, Economics Department, Professor, 2016-present; Reader, 2012-2016;  
Lecturer, 2011-2012.

Sao Paulo School of Economics-FGV, Professor Titular, 2013-present.

CeMMAP, Research Staff, 2011-present.

Institute for Fiscal Studies, Research Fellow, 2012-present.

CEPR, Research Fellow (IO programme), 2013-present.

Inequality: Measurement, Interpretation and Policy Network (HCEO), 2014-present.

Population Studies Center (University of Pennsylvania), Research Affiliate, 2012-present;  
Research Associate, 2005-2012.

25<sup>th</sup> LACEA Anniversary Associate, 2017-present.

PAST:

University of Pennsylvania, Economics Department, Associate Professor (with tenure), 2012;  
Assistant Professor, 2006-2012; Lecturer, 2005-2006.

VISITING POSITIONS:

Harvard University, Fall 2016.

Northwestern University, Spring 2010.

SHORT VISITS:

Cowles Foundation (Yale University) (26/4-1/5/2015, 7-11/12/2015).

Microsoft Research Lab (New England) (21-25/10/2013).

IGIER-Bocconi University (14-18/10/2013).

EDUCATION:

Princeton University, Ph.D., Economics, 2006.

Princeton University, M.A., Economics, 2002.

Pontificia Universidade Catolica – RJ (Brazil), M.Sc., Economics, 2000.

Pontificia Universidade Catolica – RJ (Brazil), B.A., Economics, 1996.

MAJOR FIELDS OF INTEREST:

Microeconometrics and Applied Microeconomics.

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<sup>1</sup> The family name is “Paula” and consequently alphabetized under “P”, not “D”. “de” is a preposition in Portuguese.

#### EDITORIAL EXPERIENCE:

Managing Editor of: *Review of Economic Studies*, from August 2015.

Editor of: *Econometrics Journal* Special Issue on the Econometrics of Networks (w/ J. Abbring).

Editorial Board Member of: *Review of Economic Studies*, 2012-Present.

Associate Editor of: *Econometrics Journal*, 2012-2017; *Journal of Business and Economic Statistics*, 2012-2015.

#### AWARDS AND FELLOWSHIPS:

British Academy/Leverhulme Small Research Grant (“Estimation of Production Functions with Firms’ Transactions Data”), 2017-2019 .

British Academy Mid-Career Fellowship, 2016-2017.

European Research Council Starting Grant (“Econometric Analysis of Interactions Models”), 2013-2018

Netspar Grant (with B. Honore) (“Joint Retirement in Europe”), 2013

NSF Grant No. SES-1123990 (“Identification and Inference of Strategic and Social Interactions Models”), 2011-2014 (terminated in 2013).

University of Pennsylvania Research Foundation Grant, 2011-2012

W.E. Upjohn Institute Mini-Grant (with T. Halliday), 2010-2011

Institute on Aging (IOA) Pilot Grant, 2009-2010

Steven H. Sandell Grant (Center for Retirement Research, Boston College), 2009-2010

Kravis Award for Distinction in Undergraduate Teaching (Penn), 2008

NICHD-PSC, PARC, Boettner Center Pilot Project Grant (with P. Todd), 2007-2008

Speaker at the *Review of Economic Studies* European Tour, 2005

CPE (U. of Chicago) and NIH Grant P01 AG10102 (Sub-grantee), 2005-2006

Fellowship of Woodrow Wilson Scholars, Princeton University, 2003-2005

Princeton University Graduate Fellowship, 2001-2003

Princeton University Summer Fellowship, 2001-2004

J.Wallace Ely ’32 Fund Award, Princeton University, 2000-2001

M.Sc. Thesis approved with Honors, Pontifical Catholic University – RJ, 2000

CAPES Fellowship, 1998-2000

Unibanco Award for Academic Performance, 1996

CNPq (Brazilian National Research Council) Fellowship, 1994

Pontificia Universidade Catolica Academic Performance Fellowship, 1993-1996

Second place in admissions exam for Pontificia Universidade Catolica, 1993

#### NON-ACADEMIC PROFESSIONAL EXPERIENCE:

Consultant for: *Revenue Management Solutions* (2011), *IFC – The World Bank Group* (Apr/99–Aug/99), *Cia. Panamericana de Esportes* (Brazil) (Jul/98–Aug/98), *Banco Icatu* (Brazil) (Nov/97–Dec/97)

*Banco Icatu* (Brazil), Emerging Markets and Company Analyst (Jan/97–Aug/97); Emerging Markets Desk (intern) (Feb/95–Dec/96).

PUBLICATIONS:

- Forthcoming:** “A New Model for Interdependent Durations” (with Bo Honoré),<sup>2</sup> *Quantitative Economics*.
- Forthcoming:** Introduction for the “Special Issue on Econometrics of Networks” (with Jaap Abbring), *Econometrics Journal*.
- Forthcoming:** “Identifying Preferences in Networks with Bounded Degree” (with Seth Richards-Shubik and Elie Tamer)<sup>3</sup>, *Econometrica*.
- Forthcoming:** “Econometrics of Network Models”, *Advances in Economics and Econometrics: Theory and Applications, Eleventh World Congress*.
- 2017:** “Identification and Estimation of Preference Distributions when Voters are Ideological” (with Antonio Merlo), *Review of Economic Studies*, **84**(3), pp.2138-2168.
- 2014:** “How Beliefs about HIV Status Affect Risky Behaviors: Evidence from Malawi” (with Gil Shapira and Petra Todd), *Journal of Applied Econometrics*, **29**(6), 944-964.<sup>4</sup>
- 2013:** “Econometric Analysis of Games with Multiple Equilibria”, *Annual Review of Economics*, **5**, January, pp.107-131.
- 2012:** “Inference of Signs of Interaction Effects in Simultaneous Games with Incomplete Information” (with Xun Tang), *Econometrica*, **80**(1), January, pp.143-172.
- 2011:** “The Informal Sector: An Equilibrium Model and Some Empirical Evidence from Brazil” (with José A. Scheinkman)<sup>5</sup>, *Review of Income and Wealth*, **57** (S1), May, pp.S8-S26.
- 2010:** “Value Added Taxes, Chain Effects and Informality” (with José A. Scheinkman)<sup>5</sup>, *American Economic Journal: Macroeconomics*, **2** (4), October, pp.195-221.
- “Interdependent Durations” (with Bo Honoré), *Review of Economic Studies*, **77** (3), July, pp.1138-1163
- 2009:** “Inference in a Synchronization Game with Social Interactions”, *Journal of Econometrics*, **148** (1), January, pp.56-71.
- 2008:** “Conditional Moments and Independence”, *The American Statistician*, **62** (3), August, pp.219-221.
- 2001:** “Effects of the Mercosur Integration on External Savings Attraction Mechanisms” (in Portuguese) (with Afonso Bevilaqua and Márcio G.P. Garcia), in Renato Baumann (org.), *Mercosul – Avanços e Desafios da Integração*, Brasília: IPEA/CEPAL, 2001.
- 2000:** “A Note on the Optimal Composition of the Public Debt: Reflections on the Brazilian Case” (in Portuguese) (with Ilan Gofajn), *Brazilian Journal of Applied Economics*, **4** (4), October/December, pp.667-681.

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<sup>2</sup> Previous versions of this paper appeared as “Interdependent Durations in Joint Retirement Decisions”.

<sup>3</sup> Previous versions of this paper appeared as “Identification of Preferences in Network Formation Games”.

<sup>4</sup> This paper is substantially revised from an earlier version that was circulated under the same title (PARC Working Paper No.9, 2008; PIER Working Paper 08-041).

<sup>5</sup> Most of the analysis in these papers appeared previously as part of the unpublished manuscript “The Informal Sector” (NBER Working Paper 13486; PIER Working Paper 08-018).

#### WORKING PAPERS:

“VOG: Using Volcanic Eruptions to Estimate the Health Costs of Particulates” (with Tim Halliday and John Lynham) (Latest version: July 2017) (second revision requested by the *Economic Journal*) (Featured in: UHERO, Hawaii Tribune-Herald, West Hawaii Today, Honolulu Civil Beat, Hawaii News Now, VoxEU)

“Hoard Behavior and Commodity Bubbles” (with Harrison Hong and Vishal Singh) (Latest version: March 2016) (Featured in: WSJ, News at Princeton)

“Biomarkers and Self-reported Sexual Behaviors” (with Lucia Corno) (Latest version: July 2017) (revision resubmitted to *Economica*) (Featured in: VoxEU, Impact Evaluation Blog)

“CCP and the Estimation of Nonseparable Dynamic Models” (with Dennis Kristensen and Lars Nesheim) (Latest version: November 2015)

“Joint Retirement in Europe” (with Bo Honore) (Latest version: October 2014)

“A MRC Estimator for Semiparametric Ordered-Choice Models” (with Bo Honoré)

#### WORK IN PROGRESS:

“Spillovers in Social Program Participation: Evidence from Chile” (with Pedro Carneiro, Barbara Flores, Emanuela Galasso and Rita Ginja)

“Recovering Social Networks from Outcome Data: Identification and an Application to Tax Competition” (with Imran Rasul and Pedro Souza)<sup>6</sup>

“Keep Money under the Udder” (with Britta Augsburg, Bet Caeyers and Sanghmitra Gautam)

“Undocumented Migration with Endogenous Coyote Prices” (with Tim Halliday)

“Identification in a Dynamic Roy Model” (with Bo Honore)

“Multiple Equilibria and Signs of Interaction Effects in Games with Incomplete Information: Extensions” (with Xun Tang)

“Estimation using List Randomised Variables” (with Aurelia Lepine and Federico Tagliati)

“Subjective Expectations and Demand for Contraception” (with Christine Valente and Grant Miller) (fieldwork under preparation)

“Joint Subjective Income Expectations in Households” (with Jonathan Shaw) (fieldwork under preparation)

#### CONFERENCES AND SEMINAR PRESENTATIONS:

**2018:** AEA (discussion), LSE, Universitat Pompeu Fabra, Universitat Autònoma de Barcelona, UCSD, UCLA, USC, Warwick Econometrics Workshop (Conference), Science Po, Monash (Conference), LATAM Econometrics (Conference), Brandeis, Georgetown, Emory, Stockholm. **2017:** Toulouse, INSPER, CMU, Colorado, Johns Hopkins, Bonn, Cowles Found. (Yale), ERMAS (keynote speaker), CRETE2017, UBC, Simon Fraser University, King’s College, Geneva (Solari Lecture), Vanderbilt, Duke, ITAM. **2016:** AEA (2), NAWMES, Royal Economic Society Conference, New York Fed, UPenn, Surrey, CREST (Malinvaud), Gronigen, Amsterdam, IAAE Conference (keynote speaker), Chicago (conference), Harvard, Mannheim, UVA, Hotelling Lectures (conference), LAMES (invited session), Boston College, UT Austin, Columbia. **2015:** NAWMES, Netspar International Pension Workshop, LSHTM, U. de Montreal, Cowles Found. (Yale) (2), Warwick (Workshop), Cambridge (Conference), ESWC (invited session), Montevideo, PSU-Cornell (Conference), NWU, Chicago Fed. **2014:** York University,

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<sup>6</sup> Previous versions of this paper have been presented as “Identifying and Estimating Social Connections from Outcome Data”

RHUL, Uppsala, Princeton University, Leuven, Science Po (Conference), Networks Conference (Essex), Copenhagen Microeconometrics Workshop, ESEM, USP, Rice University, New York University, LAMES (invited session), UAB-IAE (Barcelona). **2013:** NAWMES, Oxford University, Universidade do Minho, CEMFI, Cambridge University, FGV-SP, Warwick, University of Naples, CRETE2013, ESEM (invited session), Bocconi University, University of Southern Denmark (canceled), University of British Columbia, “Stats in Paris” Conference, CREST, Grenoble, “Recent Advances in Set Identification: Theory and Applications” Conference (Toulouse). **2012:** NAWMES (discussant), ENTER Jamboree, UC3M, Economics and Music Conference (Essex), NY Fed, Copenhagen Microeconometrics Workshop, Statistical and Econometric Developments in Survival Analysis, Conference on “Legal, Illegal and Criminal Migration” (Collegio Carlo Alberto), ESEM, Aarhus University, Stanford University, Berkeley, QMUL, ECARES, XXXIV Encontro Brasileiro de Econometria (minicourse on “Structural Econometrics” and special session). **2011:** UCL (2), Caltech, UCLA, Identification and Estimation of Models with Strategic Interactions Conference (JAE/Cowles), Copenhagen Microeconometrics Workshop, 11<sup>th</sup> SAET Conference, New Directions in Applied Microeconomics: Theory and Evidence (Caltech/NYU/WashU), 13<sup>th</sup> Annual Conference of the Retirement Research Consortium, ESEM, FGV-RJ, FGV-SP, Wash. U./Olin, Bristol, LSE, NEUDC at Yale, XXXIII Encontro Brasileiro de Econometria (special session). **2010:** PUC-Rio, University of Illinois at Urbana-Champaign, Chicago Fed, Wisconsin, UCSD, Northwestern University, University of Chicago (Economics), Copenhagen Microeconometrics Workshop, Applied Microeconometrics Conference (Oxford), SED, ESWC, Advancing Applied Microeconometrics Conference (UCL/Cowles), CIREQ, Econometric Analysis of Social Interactions Conference (Northwestern), NYU, Mannheim, Tinbergen Institute, Tilburg, SEA Meetings. **2009:** 1<sup>st</sup> AMERB; UT, Austin; SED; Copenhagen Microeconometrics Workshop; SITE; ESEM; IARIW Conf. on the Informal Economy (keynote speaker); Lehigh; CIREQ, Tulane, Indiana University, Rochester. **2008:** NAWMES; U. de Montreal; U. of Chicago (Economics), Cowles Conference on Identification in Economic Models, NASMES, Wharton (Applied Economics Workshop), Copenhagen Microeconometrics Summer Workshop, ESMES, Duke Miniconference on Identification, NEUDC at BU, Columbia, LAMES, Brown. **2007:** Penn State University; Syracuse University; Northwestern University; SED; Copenhagen Microeconometrics Summer Workshop; New York Fed; LAMES; XXIX Encontro Brasileiro de Econometria; Microeconomics of Growth (World Bank) (attendee). **2006:** PIER-IGIER Conference on New Research on Human Capital Investment in Developing Countries (discussant); NASMES; Stanford Institute for Theoretical Economics; NEUDC at Cornell; University of Virginia; University of Pittsburgh; Greater New York Metropolitan Area Econometrics Colloquium. **2005:** Chicago Fed; UPenn; CEMFI; NYU; U. of Chicago (Economics); Cornell; IFS/UCL; Toulouse; CES/IFO; PUC-Rio; Chicago-Argonne Institute for Computational Economics (attendee); U. of Chicago (Center for Population Economics); UIUC. **2001-2004:** LAMES; Princeton, New Directions in General Equilibrium Analysis (Cowles Foundation) (attendee), Summer Workshop in Applied Economics (SSRC) (attendee)

#### TEACHING EXPERIENCE:

Econometrics (graduate), Statistics (undergraduate) (Penn, UCL, LSE and FGV/EESP).

#### ADMINISTRATIVE ASSIGNMENTS:

Recruiting Committee (UCL), 2013 (Deputy-Chair), 2014-2015 (Chair). Department Seminar (co-organizer) (UCL), 2012. Applied Microeconomics Seminar (co-organizer) (UCL), 2012. NERA/STICERD Industrial Organisation Seminar (co-organizer) (LSE), Feb/Mar 2018. Demography Graduate Group (Penn). Latin American and Latino Studies Program, (Penn). Associate Undergraduate Chair (Advising) (Penn), 2006-2009. Grad Admissions (Penn), 2006

CONFERENCE ORGANIZATION:

5<sup>th</sup> European Meeting on Networks, 2017; Berkeley/CeMMAP Conference on Networks (2016) (with Bryan Graham and Jasjeet Sekhon); Review of Economic Studies May Meetings 2016 (with Suphanit Piyapromdee); Recent Contributions to Inference in Game Theoretical Models (2013), co-organizer (with Elie Tamer); 2007 Greater New York Metropolitan Area Econometrics Colloquium, co-organizer (with Kevin Song).

PROFESSIONAL SERVICE:

Program Committee for: Implementation of Structural Dynamic Models: Methodology and Applications (UCL), 2017; European Meeting on Networks, 2016, 2017; Hotelling Lectures Conference (LAMES, Medellin), 2016; European Winter Meetings of the Econometric Society, 2015; LACEA Meetings, 2014; European Economic Association Meetings, 2013-2015; North-American Summer Meetings of the Econometric Society, 2013, 2016; Royal Economic Society Meetings, 2012-2015; Econometric Society European Meetings 2012- 2014, 2016-2017; Latin American Meetings of the Econometric Society 2008, 2017; XXVIII Brazilian Econometrics Meeting, 2007.

REFeree EXPERIENCE: *Acta Mathematica*, *AER* (7), *AEJ: Macroeconomics* (3), *American Statistician* (2), British Academy, *Communications in Statistics*, *Econometric Reviews*, *Econometric Theory* (2), *Econometrica* (12), *Econometrics Journal* (5), *Economic Journal* (4), Economic and Social Research Council (UK), *Economica*, *Economics Letters* (2), *EER* (4), European Research Council, *IER* (8), *International Tax and Public Finance*, Israel Science Foundation, *Journal of Applied Econometrics* (5), *JASA* (2), *JEBO*, *JBES* (15), *JEDC*, *Journal of Development Economics* (4), *Journal of Econometrics* (10), *Journal of Economic Growth*, *Journal of Labor Economics*, *Journal of Mathematical Economics*, *JPE* (2), *Journal of Public Economics* (5), *Labour Economics*, National Science Foundation (3), *Operations Research Letters*, Prentice-Hall, *Proceedings of the National Academy of Sciences* (4), *Quantitative Economics* (10), *QJE*, *Rand Journal of Economics* (2), *REStud* (39), *Review of Income and Wealth*, *Scandinavian Journal of Economics*, Social Sciences and Humanities Research Council (Canada), Swiss National Science Foundation, *World Development*.

LANGUAGES: Portuguese (native); English (fluent); French, Italian, Spanish (reading).