

VITA
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PERSONAL INFORMATION

Age: 35

Citizenship: Ecuador (US Permanent Resident)

FIELDS OF SPECIALIZATION

Primary: Macroeconomics

Secondary: International Finance, Time Series

DOCTORAL STUDIES

Ph.D., Economics, Northwestern University, Evanston, Illinois

Dissertation: Heterogeneous Portfolio-Labor Choices and the Business Cycle

Committee Chairperson: Professor Martin Eichenbaum

Date of Completion: June 2006

PREDOCTORAL STUDIES

M.A.: Economics, Northwestern University, Evanston, IL 2001 – 2003

M.Sc.: Economics, Centro de Investigacion y Docencia Economicas, Mexico City, Mexico,
1999 – 2001

Degree in Electronic Engineering: Escuela Politecnica Nacional, Quito, Ecuador, 1992 – 1998,
Summa Cum Laude

ACADEMIC EXPERIENCE

- Economist, Federal Reserve Bank of Philadelphia, July 2009 - Present
- Visiting Scholar, Federal Reserve Bank of Atlanta, August 2007, April 2008
- Visiting Scholar, Department of Economics, Duke University, April 2007 – May 2008
- Assistant Professor, Department of Economics, College of Management, NC State University, August 2006 – Present: Undergraduate Macroeconomics, Graduate International Finance, Graduate Macroeconomics
- Lecturer, Business and Institutions Program, Northwestern University, 2006
- Research Assistant for Prof. Martin Eichenbaum, Northwestern University, 2003 – 2006
- Teaching Assistant, Department of Economics, Northwestern University, 2003 – 2006: Graduate Macroeconomics Sequence, Introductory Macroeconomics, International Finance, Money and Banking
- Teaching Assistant, Kellogg School of Management, Northwestern University, 2003 – 2005: Corporate Finance
- Adjunct Assistant Professor, Pontificia Universidad Salesiana, Quito, Ecuador, 1998: Advanced Electronics, Electronic Control for Machines

NONACADEMIC EXPERIENCE

- Manager, Electro-Ecuatoriana, Elevators Division, Quito, Ecuador, 1998 – 1999, 2002
- Field Engineer, Tecniequpos, Quito, Ecuador, 1998

RESEARCH

Published Papers

- “Refinements on Macroeconomic Modeling: The Role of Non-Separability and Heterogeneous Labor Supply,” *Journal of Economic Dynamics and Control* 32 (2008), pp: 3613 – 3630.
- “Money Demand Heterogeneity and the Great Moderation,” November 2008, Forthcoming *Journal of Monetary Economics*.
- “What you match does matter: The effects of Data on DSGE Estimation,” November, 2008 Forthcoming, *Journal of Applied Econometrics*.
- “The New Macroeconometrics: A Bayesian Approach,” (joint with Jesus Fernandez-Villaverde and Juan Rubio-Ramirez) January 2009, Forthcoming *Handbook of Applied Bayesian Analysis*.

Working Papers

- “Frequentist Inference in Weakly Identified DSGE Models,” July 2009 (joint with Atsushi Inoue and Lutz Kilian).
- “Do Uncertainty and Technology Drive Exchange Rates?” May 2009.
- “Economic Development and Heterogeneity in the Great Moderation among the States” (joint with Thomas Grennes and Asli Leblebicioglu) January, 2009 (Submitted).
- “Risk Matters: The Real Effects of Volatility,” (joint with Jesus Fernandez-Villaverde, Juan Rubio-Ramirez, and Martin Uribe) April, 2009. NBER working paper 14875 (Submitted).
- “The Implications of Inflation in an Estimated New-Keynesian Model,” September, 2008 (submitted).
- “Financial Innovations: An Alternative Explanation to the Great Moderation,” January, 2008.
- “Why do Central Bankers Intervene in the FX market? Some New Empirical Evidence,” December, 2006.

Current Projects

- Common Factors in Small Open Economies
- Stochastic Volatility and Parameter Drifting in DSGE Models (joint with Jesus Fernandez-Villaverde and Juan Rubio-Ramirez)

CONFERENCE AND WORKSHOP PRESENTATIONS

- **2009:** Federal Reserve Bank of Philadelphia, Workshop on International Economics and Finance (Uruguay), NBER Summer Institute Workshop.
- **2008:** The Macroeconomics of Emerging Countries, Mexico City; Workshop on Methods and Applications for DSGE Models, Cleveland Federal Reserve Bank; Society for Economic Dynamics, Boston MA; Conference on Computing in Finance and Economics, Paris; Midwest Macroeconomics Meetings, Philadelphia PA; North American Meeting Econometric Society, Pittsburgh PA.
- **2007:** The Econometrics Triangle Annual Meetings, Durham NC; Workshop on Methods and Applications for DSGE Models, Cleveland Federal Reserve Bank; Duke University; Latin American and Caribbean Economic Association meetings, Bogota Colombia; North Carolina State University, Raleigh NC; North American Meetings of the Econometric Society, Durham NC.
- **2006:** The Econometrics Triangle Annual Meetings, Durham NC; Latin American Meetings of the Econometric Society, Mexico City; North Carolina State University, Raleigh NC; Triangle Dynamic Macro Group, Duke University; Institute for International Integration Studies, Trinity College Dublin; Bank of Canada; Rutgers University; North Carolina State University.
- **2005:** Northwestern University.

- **2004:** Northwestern University.
- **2003:** Corporacion Andina de Fomento, Venezuela.

FELLOWSHIPS AND AWARDS

- Gill Research Grant, North Carolina State University, 2007 - 2009.
- Faculty Research and Professional Development Grant, North Carolina State University, 2007 - 2009.
- Distinction in the “Preliminary Exam in Macroeconomics,” Northwestern University, Department of Economics, 2002
- University Fellowship, Northwestern University, 2001 – 2002
- Outstanding Student Award, Centro de Investigación y Docencia Economicas, 2001
- Fellowship, Centro de Investigación y Docencia Economicas, 1999 - 2001
- Valedictorian, Escuela Politecnica Nacional, Commencement Ceremony, 1998
- Outstanding Student Award, Department of Electric Engineering, Escuela Politecnica Nacional, 1997.

Other Activities

Referee for Journal of Monetary Economics, Journal of Econometrics, Journal of Money Credit and Banking (2), Journal of Econometrics, Macroeconomic Dynamics, Journal of Applied Econometrics, Southern Journal of Economics, Journal of Macroeconomics, Canadian Journal of Economics, B.E. Journal of Macroeconomics (2).

REFERENCES

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 Department of Economics
 Pennsylvania State University
 University Park, PA, 16802
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 University of Pennsylvania
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 Phone: 215-898-1504
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