

Carlos I. García-Jiménez

Curriculum Vitae (12/06/2011)

21 Martin D. Woodin Hall, Baton Rouge, LA 70803-5604

Dept. of Ag. Economics & Agribusiness | Louisiana State University A&M

Email: cgarci8@lsu.edu | Cell: (225) 405-7851 | Website: <http://www.carlosignacio.com>

RESEARCH AND TEACHING INTERESTS

- Primary: Fiscal and Economic Policy, Ag. Economics, Banking, Investments, Econometrics
- Secondary: Public and Development Economics, Agribusiness, Microeconomics

EDUCATION

Ph.D. Louisiana State University A&M, Aug. 2006 – Dec. 2011.

- Major: Agricultural and Applied Economics.
- Minor: Finance.
- Areas of specialization: Fiscal Policy, Empirical Macroeconomics, and Capital Markets.
- Significant coursework in Microeconomics and Econometrics.
- Dissertation: “Economics of U.S. Government Debt Accumulation.”

M.Sc. Louisiana State University A&M, Aug. 2003 – Aug. 2006.

- Major: Agricultural and Applied Economics.
- Areas of specialization: Consumer Behavior and Marketing Strategy.
- Significant coursework in Data Analysis and Statistics.
- Thesis: “A Comparative Study of Household Demand for Meats by U.S. Hispanics.”

B.Sc. Pan American Agricultural School – Zamorano, Jan. 1997 – May 2002.

- Major: Agricultural Economics.
- Significant coursework in Natural Resources, Development, and Business Management.
- Thesis: “Production Costs of Honeybee with Migratory and Stationary Beekeeping Systems: a Case Study in Honduras.”

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, Louisiana State University A&M, Aug. 2006 – Present.

- Current interdisciplinary research focuses on the economics of government debt accumulation, fiscal policy, investments, exchange rate, trade, and economic growth.
- Applied time series models for economic analyses related to dissertation.
- Applied choice and system estimators for analyzing farmers’ investment decisions on precision farming technologies and consumers’ preferences for meat products.
- Developed syllabus for a course in applied time series analysis.
- Developed syllabus “A Fun Course in Behavioral and Social Sciences” for the Louisiana Science and Engineering Fair.
- Generated templates for programs of study of Master and Ph.D. students.
- Wrote proposal aiming to create minor in statistics for Ph.D. students in Ag. Economics.
- Worked with SQL to manage large data sets used in economic modeling.
- Performed economic analysis for creating a natural protected area (138,379 acres) in Jalisco, Mexico; encompassing social, demographic, cultural and developmental aspects.

Research Scholar, Louisiana State University A&M, June 2002 – July 2003.

- Set up experiments and gathered data for statistical analyses.
- Assisted professors and graduate students in pest management.
- Performed cultural practices on vegetable crops, ornamental plants, and rice.

Library Assistant, Pan American Agricultural School – Zamorano, Spring 2002.

- Part time, classified and indexed literature based on the AGROVOC thesaurus, in the Wilson Popenoe Library.

Extension Associate, Pan American Agricultural School – Zamorano, 2000 – 2001.

- Taught financial, marketing and management skills to farmers in the Zamorano/USAID Agricultural Revitalization Outreach Project.
- Negotiated course of actions with partner institutions.
- Developed outreach materials for promotion of investments in the beekeeping industry.
- Authored manual for estimation and analysis of returns on beekeeping investments.
- Established and followed up cooperative relationships with partner institutions.

Teaching Assistant, Pan American Agricultural School – Zamorano, Summer 2001.

- Supported the class Anatomy and Physiology of Animals and Plants.

Student Worker, Pan American Agricultural School – Zamorano, 1997-1999.

- Learning by doing, 24 hours/week, included diverse tasks in agribusiness management, animal husbandry, horticulture, agronomy, machinery, natural resources management, pest management, biotechnology, food industry, rural development.

SKILLS

- Data Analysis: Qualitative, Cross-sectional, Panel Data, and Time Series Data.
- Knowledgeable in the use, analysis, and interpretation of financial statements.
- Assembling of meaningful information from databases to support decision making.
- Computer software: Advanced: STATA, SAS, SQL, Word, Excel, PowerPoint
Intermediate: EViews, Gauss, GRETL, JMulti, SPSS, HTML
Basic: Publisher, QuickBooks, Mathematica, Access, PHP, MySQL, LIMDEP
Content Management Systems: Drupal, Blackboard, Moodle, Wordpress
- Knowledgeable of qualitative research methods, and online/offline marketing strategies.
- Analytical and strategic planning skills applied in academic/research endeavors.
- Spanish (native), English (fluent), Portuguese (basic proficiency).
- Overseas and multicultural exposure.

AWARDS

- Dept. of Ag. Economics Travel Award, SAEA Annual Meeting, Spring 2011.
- Dept. of Ag. Economics Travel Award, AAEA Annual Meeting, Summer 2010.
- LSU Graduate School Travel Award, SAEA Annual Meeting, Spring 2010.
- Contributor's Award, State Government of Jalisco, Technical Report for Declaration of the "Maple Forest" State Park of Talpa de Allende, Jalisco, Mexico, Fall 2009.
- Outstanding M.Sc. Student Award, Dept. of Agricultural Economics at LSU, Fall 2005.
- Recognition for academic performance, Gamma Sigma Delta honor society, Fall 2004.
- Grant for undergraduate research, USAID/Center for Agricultural Policy, Summer 2001.
- Scholarship for undergraduate studies, AGROBECA, 1997 - 1999.

PUBLICATIONS

REFEREED JOURNALS

García-Jiménez, Carlos I., Ashok K. Mishra. 2011. Role of Ethnicity in Consumption of Meat Products. *Applied Economics Letters*. 18(7):665-669.

García-Jiménez, Carlos I., Ashok K. Mishra. Determinants of Meat Purchasing Behavior by Ethnic Groups. Forthcoming, Nov. 2011. *Journal of Food Distribution Research*.

Manuscripts in preparation:

The Effects of Government Debt on Employment in the United States.

Assessment of the Consequences of U.S. Government Debt on Economic Growth and Exports.

Transmission of U.S. Government Debt Shocks to the Economy of Mexico.

García-Jiménez, Carlos I., Ashok Mishra, Kenneth Paxton, Margarita Velandia, Dayton Lambert, and Eduardo Segarra. The Relevance of Information Sources on Adoption of Precision Farming Technologies by Cotton Producers. Target journal: *Agricultural & Applied Economics*.

García-Jiménez, Carlos I., Yalma L. Vargas-Rodriguez. A Nonlinear Measure of Performance for the Establishment and Evaluation of Natural Reserves. Target journal: *Natural Areas Journal*.

CHAPTER BOOKS AND WORKING PAPERS

García-Jiménez, Carlos I. "The State of Talpa de Allende Municipality, Jalisco, Mexico: Demographic, Social and Economic Conditions." In: Vargas-Rodriguez, Y. (Ed.). Forthcoming. *Natural Reserve of Talpa*. CONACYT, Mexico.

Vargas-Rodriguez, Y. L., Vázquez-García, J. A., Quintero-Moro, T., Muñoz-Castro, M., Shalisko, V., García-Jiménez, C. I., Fernández, J., De Fuentes, K., and Lanoue, C. In press. "Proposal for the Protection of the Cloud Forest with Maple Trees (Jalisco, México), under State Park Category." Pages 1-22. In: E. Salcedo Pérez, T. Escoto-García, J. A. Vázquez-García, and E. Hernández-Álvarez (Eds.). *Forest Resources of Western Mexico: Management, Production and Harvesting*. University of Guadalajara, Guadalajara.

García-Jiménez, Carlos I. 2010. "Economic, Social and Demographic Conditions of Talpa de Allende Municipality." In: Technical Report for Declaration of the Maple Forest State Park of Talpa de Allende (Jalisco, Mexico). Vargas-Rodriguez, Y., et al. (Eds.). Secretaría de Desarrollo Urbano (SEDEUR) & Secretaria de Medio Ambiente para el Desarrollo Sustentable (SEMADES), Guadalajara.

García-Jiménez, Carlos I. "Guatemala in Search of its Future." Working Paper, Dept. of Agricultural Economics & Agribusiness, Louisiana State University A&M. 2009.

García-Jiménez, Carlos I., Bertha Ruiz and Alvaro Crespo. 2000. Outreach Materials. Memory of the 1st. International Workshop about Beekeeping in Honduras. Development of the Beekeeping Sector in Honduras. Development of Small and Medium Size Beekeeping Industry in Honduras. Zamorano/USAID Agricultural Revitalization Outreach Project, Pan American Agricultural School - Zamorano, Tegucigalpa, Honduras.

TECHNICAL MANUALS

García-Jiménez, Carlos I. 2003. Research Opportunities and Financial Aid for Graduate Studies in the United States of America in the New Millennium. Louisiana State University A&M. 41 p.

García-Jiménez, Carlos I. 2001. Advice and Guidelines for the Estimation of Costs and Returns of Apicultural Projects in Honduras. Pan American Agricultural School - Zamorano. 80 p.

POPULAR PRESS

García-Jiménez, Carlos I. "What is freedom?" Prensa Libre, Guatemala, 09/13/2010.

Quoted in "Guatemala in Solidarity with Haiti." Infosurhoy.com, 25/01/2010.

Quoted in "Volunteering of Young Adults in Guatemala." Prensa Libre, Guatemala, 12/29/2009.

Invited writer for "US-Latin American Relations Need Improvement" LSU Reveille, 04/30/2009.

SEMINARS and PRESENTATIONS

García-Jiménez, Carlos I. "Conceptual Framework for the Administration of Research-Focused University Internship Programs." Presentation at Ohio State University, May 21, 2011.

García-Jiménez, Carlos I., et al. "The Relevance of Information Sources on Adoption of Precision Farming Technologies by Cotton Producers." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Corpus Christi, TX, February 5-8, 2011.

García-Jiménez, Carlos I., Ashok K. Mishra. "Determinants of Meat Purchasing Behavior by Ethnic Groups." Selected presentation at the American Agricultural and Applied Economics Association Annual Meeting, Denver, CO, July 25-27, 2010.

Forecasting Usability of the English Transitional Words Database. Dept. of Experimental Statistics, Louisiana State University A&M, Feb. 17 2010.

García-Jiménez, Carlos I., Ashok K. Mishra. "The Effects of Public Debt on Labor Demand in the United States." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, Orlando, FL, February 6-9, 2010.

Getting into Graduate School: Scholarships for Master's and Ph.D. Programs. Zamorano Agricultural Society, Louisiana State University A&M, 01/15/2010, 02/11/2011.

Ethics and Professionalism in Academic Institutions. Zamorano Agricultural Society, Louisiana State University A&M, Feb. 22 2008.

Speed Reading: Introduction to a Lifetime Skill. Dept. of Agricultural Economics & Agribusiness, Louisiana State University A&M, Aug. 16 2005.

The Credit Conditions for Investment in Beekeeping Projects in Honduras. Pan American Agricultural School - Zamorano, Summer 2001.

ACADEMIC AFFAIRS

Teaching Assistant for Agribusiness Research Applications, graduate level class. Involvement was focused on research methods in the social sciences. Dept. of Ag. Economics, Fall 2010.

García-Jiménez, Carlos I., Ashok K. Mishra. 2010. Proposal for a Minor in Statistics for Ph.D. Students in Ag. Economics. Dept. of Experimental Statistics, Louisiana State University A&M.

García-Jiménez, Carlos I. 2009. Proposal for a new course in analytics “An Introductory Course in Applied Time Series Analysis,” syllabus presented to the Dept. of Experimental Statistics and Dept. of Agricultural Economics & Agribusiness, Louisiana State University A&M.

Teaching Assistant for Ag. Commodities and Food Products Marketing, LSU, Spring 2007.

Co-founder and vice president of Zamorano Agricultural Society. 2004-2005. Proposal and establishment of LSU AgCenter/Zamorano Internship Program. It has benefited 44 visiting scholars, 42% continued graduate studies at LSU.

Passed the class for preparation of international teaching assistants, LSU, Spring 2004.

Teaching Assistant, Pan American Agricultural School – Zamorano, 2001 – 2002. Supported the following classes: Production Economics, Introduction to Business Administration, and, Anatomy/Physiology of Animals and Plants.

Co-founder and Instructor of Zamorano Beekeeping Club, Pan American Agricultural School – Zamorano, 2000 – 2002.

Tutor, Pan American Agricultural School – Zamorano, 1997, voluntarily supported students in the Plant Physiology class - they were assigned by the instructor.

PROFESSIONAL ACTIVITIES

REVIEWER

- Agricultural Economics
- Agricultural & Applied Economics

AFFILIATIONS

- Agricultural & Applied Economics Association
- American Finance Association
- Institute of Mathematical Statistics
- Southern Agricultural Economics Association

PUBLIC SERVICE

- Judge, Louisiana State Science and Engineering Fair.
- English Transitional Words Database, <http://www.carlosignacio.com/twd>, website dedicated to the systematic classification of transitional words by usage patterns.
- Mentoring and recruiting of prospective graduate students seeking U.S. universities.
- Grant in progress to submit “Optimal Attributes of the Marketplace Infrastructure: Analysis in Guatemala.”

ATTENDANCE TO EXTENSION CONFERENCES

- 2011 National Conservation Systems Cotton & Rice/Southern Precision Ag. Conference.
- 2010 Agricultural Outlook Conference “Keeping Louisiana Agriculture Competitive.”
- 2004 Import/Export Workshop Series, University of New Orleans/World Trade Center.
- 2002 Fruits and Vegetables Processing Conference, New Orleans.
- 2001 Municipal Development Workshop Series, USAID/Zamorano, Yuscaran, Honduras.
- 2000-2001 Multiple events related to the beekeeping industry, Honduras.

LEADERSHIP

- Adviser, Latino Farmers Cooperative of Louisiana, 2009-2010.
- Secretary and co-founder, Latin American Student Association, 2009.
- Vice president and co-founder, Zamorano Agricultural Society, 2004-2005.
- Vice president, Ag. Economics Graduate Student Association, 2004.
- President and co-founder, Zamorano Student Council, 1999.

STATEMENT OF TEACHING PHILOSOPHY

As a teacher, I like to connect the learning material with current events and broader subjects while fostering systematic analysis, innovation, teamwork, and entrepreneurship. The teaching environment should facilitate "*Learning by Doing*" by incorporating the most current technological tools with the aim of strengthening strategic planning and decision making skills. The adopted technologies shall facilitate comprehension, evaluation, assessment, and communication.

I believe that teaching is an opportunity for sharing knowledge and building the new generations of professionals and scholars; such an honorable action is not restricted to classrooms, it is also an action of leaders. Through teaching, the set of individual's skills are developed by increasing both intellectual capacity and vocational guidance.

CORE PRINCIPLES

- Comprehension is more important than grades.
- Analysis of information to support decision making is paramount.
- An innovative learning community requires holistic views of the teaching and learning process for providing an integral educational experience to the students.
- To cultivate in the classroom an environment that encourages the formation and strengthening of ethical values that promote integrity and professionalism.
- A teacher evaluation in the middle of the semester allows for innovation and change of the teaching style so that it provides benefits to current and future students.
- Students should be able to understand concepts, as well as the interrelationships and applications that enhance problem solving and decision making skills.
- I also believe that teaching requires understanding of proper teaching methods; moreover, it entails the attainment of proper skills by annual improvement through training and active learning from evaluations.
- Help students soar new heights by discussing their ideas and delivering effective mentoring and support.

DISSERTATION ABSTRACT

Economics of U.S. Government Debt Accumulation

The United States of America is an indebted nation in the early years of the new millennium, changing from \$469 billion in 1973 to \$14 trillion in 2010, as spending is justified on the basis that it promotes GDP growth which in turn increases societal benefits. Despite the benefits of debt, its effectiveness and the transmission mechanisms of fiscal policy are still on debate. Consequently, the economic effects of U.S. government debt accumulation are studied in three empirical research articles.

The dissertation is composed of five chapters. The first chapter is an introduction wherein the problem statement, the purpose, objectives and justifications are discussed. Then, the three articles are presented. The analyses used dynamic econometric models and data in the post Bretton Woods system of monetary management. Finally, the results are summarized in the fifth chapter.

The first article studied the effects of government debt on employment and the unemployment rate. The results indicate that debt has positive effects on employed labor in the economy in the long run, and it was found effective at retaining and decreasing the unemployment rate. Moreover, an unemployment rate shock produced a hump-shaped response of government debt. The second article studied the effects of government debt on exports. The causality tests did not provide evidence to support a relationship among those variables; however, the response of exports to a debt shock was positive and hump-shaped. Finally, the third article studied the transmission of U.S. government debt shocks into the Mexican economy; the results indicate that debt produces positive externalities as its GDP grows. Moreover, Mexican GDP is favored by increasing U.S. GDP; furthermore, a positive U.S. employment shock produced a hump-shaped response of Mexican GDP.

In conclusion, U.S. government debt depreciates the currency which leads to price fluctuations of output and the inputs of production; in turn, the economy is likely to experience growth in exports, GDP, and employment that favors the economic growth of Mexico through trade. Finally, future research endeavors in the economics of government debt accumulation may contemplate to study the cooperative interdependence among political institutions involved in fiscal and economic policies.

Keywords: capital markets, debt accumulation process, fiscal policy, employment, interest rate, M2 money stock, exchange rate, economic policy, exports, imports, economic growth, international transmission, transmission mechanism, United States, Mexico, government studies

JEL Classification: E24, E43, F15, F31, F41, F42, F43, G18, H30, H60, H63, O16, P10

TRANSCRIPTS & REFERENCES Available upon request.