

Nancy Lozano-Gracia

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Finance, Economics and Urban Department
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Education

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| Aug. 2003 – May 2008 | PhD –Agricultural and Consumer Economics
University of Illinois, Urbana-Champaign
Graduate Teaching Certificate |
| Aug. 1999 – Aug. 2003 | M.S. Agricultural and Resource Economics
University of Maryland, College Park |
| Jan. 1998 – May 2002 | M.A. Environmental and Resource Economics
Universidad de los Andes, Bogotá, Colombia |
| Sept. 1993 – Mar. 1998 | B.S. Economics
Universidad de los Andes, Bogotá, Colombia |

Academic Work History

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|------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| June 2008 – July 2009 | GeoDa Center for Spatial Analysis and Geocomputation-
Arizona State University
Postdoctorate Research Associate |
| Aug. 2007 – May 2008 | GeoDa Center for Spatial Analysis and Geocomputation-
Arizona State University
Research Assistant – Dr. Luc Anselin |
| Aug. 2003 - July 2007 | Spatial Analysis Laboratory – University of Illinois
Research Assistant – Dr. Luc Anselin |
| Aug.1999 – Aug. 2001 | University of Maryland, College Park
Research Assistant |
| Feb. 1998 – June 1999 | CEDE (Center for Economic Development Studies) –
Universidad de los Andes Bogotá, Colombia
Research Assistant |

Professional Work History

- July 2009 to date** **World Bank - Economist**
Sustainable Development Network – Finance, Economics and Urban Department.
- June 2006 – Sept. 2007** **World Bank, Development Research Group**
Consultant – “Equity and Efficiency in Local Government Revenue Generation in three Indian cities.”
- Jan. 2006 – to date** **Gruen Gruen + Associates**
Consultant – “The Amenity Effect of the McDowell Sonoran Preserve on Adjacent Residential Sites.”
- Jan. 2003 – April 2003** **National Federation of Coffee Growers of Colombia**
– **New York Office**
Consultant – “Sales-Response to Advertising: The case of 100% Colombian Coffee.”
- Jan 2002 – Aug. 2003** **World Bank, Latin America and the Caribbean Region**
Brazil Group
Consultant – “Growth and Poverty in Brazil.”
Poverty Reduction and Economic Management, Gender Group
Consultant – “Gender wage gaps in Latin America, a regional study.”
- Dec. 2002 – Feb. 2002** **National Federation of Coffee Growers of Colombia**
– **New York Office**
Consultant - “Colombia’s Premium on Green Coffee Beans: A First Approximation as to the Effects of Ingredient Branding.”
- June 2001 -August 2001** **World Bank, Latin America and the Caribbean Region –**
Finance, Private Sector & Infrastructure
Consultant – “Micro enterprises in Latin America.” And Evaluation of the Rural Roads Program in Perú.”

Publications

Articles in journals

1. Is the Price Right? Assessing Estimates of Cadastral Values for Bogota, Colombia (with Anselin, L.) *Forthcoming Regional Science Policy and Practice*
2. The Welfare Benefit of a Home’s Location: An Empirical Comparison of Spatial and Non-Spatial Model Estimates (with Piras, G., and Koschinsky, J.) *Journal of Geographical Systems. Forthcoming.* <http://dx.doi.org/10.1007/s10109-011-0148-6>

3. Spatial J-test for selecting weight matrices in spatial econometric models: some Monte Carlo evidence. (with Piras, G.) *Statistics and Computing. Forthcoming.* (2012) 22:169–183.
4. A Spatial Econometric Analysis of Loss Experience in the U.S. Crop Insurance Program. (with Woodard, J. ; Schnitkey G.D.; Sherrick, B, and Anselin, L.) *Journal of Risk and Insurance.* (2010) doi: 10.1111/j.1539-6975.2010.01397.x
5. Valuing Access to Water A Spatial Hedonic Approach, with an Application to Bangalore, India.(with Anselin, L., Deichmann, U. and Lall, S.) *Spatial Economic Analysis.* (2010) 5(2) pp161-179
6. The Journey to Safety: Displacement Movements in Colombia. (with Piras, G., Ibáñez, A. and Hewings, G. J.D.) *International Regional Science Review* (2010) 33(2) pp157-180
7. Predictors of Endoscopic Colorectal Cancer Screening of Time in 11 States. (with Mobley, L., Kou, M., Urato, M., Boos, J., and Anselin, L.) *Cancer Causes and Control.* (2010) 21(3) 445-461
8. Ecological Determinants of Endoscopic Colorectal Cancer Screening Over Time in 11 States. (with Mobley, L., Boos, J., Kuo, T.M., Urato, M., and Anselin, L.) *Epidemiology.* (2009) 20 (6):S33-S33
9. Errors in variables and spatial effects in hedonic house price models of ambient air quality. (with Anselin, L.) *Empirical Economics* (2008) 34 pp 5-34
10. Valuing Access to Water in Indian Cities: A Spatial Hedonic Approach. (with Anselin, L., , Deichmann, U. and Lal, S..) *World Bank Policy Research Working Papers* WPS4532, February, 2008
11. Spatial analysis of elderly access to primary care services. (with Mobley, L., Root, E., Anselin, Luc, and Koschinsky, J.) *International Journal of Health Geographics* (2006) 5:19.
12. Air Pollution in Bogotá Colombia: A Concentration Response Approach. *Revista Desarrollo y Sociedad.* (2004) September, No. 54. pp 133-177.
13. La Prima de Colombia en el Café Verde. *Ensayos sobre Economía Cafetera.* (2002) Año 15, No. 18. pp 61-72.
14. The Benefits of Improving Water Quality in Cartagena Bay, Colombia. (with Ibáñez, A., and McConnell K.) *Documento CEDE (Internal Document Center for Economic Development Studies), Nu. 98-22*

Chapters in Books

- Spatial hedonic models (with Anselin, L.) In: MillsT, PattersonK (eds) *Palgrave handbook of econometrics: Volume 2, applied econometrics.* (2009) Palgrave Macmillan, Basingstoke

Book Reviews

- Introduction to Spatial Econometrics. (2009) by James LeSage and Robert Kelley Pace. In *Journal of the American Statistical Association.* September 2010.

Papers under revision

- Nonlinearities and Spatial Effects: A Hedonic Model for the Valuation of Air Quality. Status: *RRS*

Working Papers

1. Bridging the gap across Egyptian regions: a decomposition of welfare differentials. (with Hon, V.)
2. Consumer Residential Choices and Access to Food: Evidence from Morgantown, WV (with Lacombe, D. and Piras, G.)
3. On the application of bootstrap methods in spatial econometric models (with Piras, G.)

Research Grants

- **Support to the Administrative Unit in the Cadastre, Bogota-Colombia.** Total Project Amount: \$86,790. Role: PI. This project involved developing the econometric models necessary for the appraisal of almost one million parcels in the city of Bogota. These appraisals were used for tax purposes. September 2008 – March 2009 (While a post-doc at Arizona State University).
- **Lincoln Land Institute Research Grant.** Total Grant Amount: \$47,000. Role: P.I. Title: “Improving Valuation for Property Tax Purposes Through New Spatial Econometric Methods: The Case of Bogotá, Colombia.” October, 2008 – August 2009 (While a post-doc at Arizona State University).

Projects

Main projects in which I have participated while at the World Bank:

- **Urbanization Review:** core member of the UR team. Responsible for analytic work on ensuring spatially equitable service delivery outcomes –both for a flagship report as well as for pilot studies in India, Indonesia, Vietnam, Colombia, Brazil, and Turkey. I have been the co-team leader for the Colombia UR pilot which has now generated demand for a Development Policy Loan.
- **Post Disaster Land Market Study:** provided econometric modeling guidelines and led data collection efforts and analytical work to determine the impact of urban planning policies on land prices in a post-disaster context.
- **Reshaping Egypt’s economic geography:** responsible for analytical section on understanding the welfare differences across Egyptian regions.
- **Interjurisdictional Spillovers Project:** This work provided an overview of interjurisdictional coordination issues in four cities in India. The focus was on identifying and documenting the weaknesses and strengths on coordination for the provision of basic services.

Teaching Experience

COURSES TAUGHT

August 2008 **Quantitative Methods in Geography (GCU 495)**
Arizona State University
Mandatory Course for Undergraduate Geography Students

TEACHING ASSISTANT

June 2007 **Spatial Analysis and Spatial Econometrics Frontiers**
Summer Workshops – Teaching Assistant
University of Illinois, Urbana-Champaign
Spatial Analysis Laboratory

Aug. 2006 – Jan. 2007 **Agricultural and Consumer Economics (Undergraduate Course)**
University of Illinois, Urbana-Champaign
Department of Agricultural and Consumer Economics

July 2008, July 2006 **Advanced Summer School in Regional Science**
Spatial Regression– (Graduate level)
University of Groningen, The Netherlands (2006)
University of Pécs, Hungary (2008)

June 2005
professionals) **GeoDa Summer Workshop (Open to graduate students and**
University of Illinois, Urbana-Champaign

Aug.1999 – Jan 2002 **Food policy and Security (Undergraduate course)**
University of Maryland, College Park
Department of Agricultural and Resource Economics

Jan. 1999 – Dec. 1999 **Microeconomics and Agricultural Economics (Both courses at**
master level)
Universidad de los Andes, Bogotá, Colombia,
Economics Department

Presentations

- University of Illinois, RPHE Key Note Speech, April 16, 2011. “Regional and Urban Analysis: A look inside the World Bank”
- Department of Economics, West Virginia University, January 2011 “Non-linearities and Spatial Effects: A hedonic model for the valuation of air quality”
- Inter-American Development Bank – Invited presentation. October 2010 “Improving Cadastral Values in Bogotá, Colombia.
- RRI Seminar Series, West Virginia University. April 2010, Morgantown, WV. “The price is right: improving property price estimates for tax purposes”.
- Lincoln Land Institute Latin American Annual Conference, October 2009, San Jose, Costa Rica. “Definition of Submarkets for Property Valuation, the case of Bogota-Colombia”.
- Western Regional Science Meetings, Napa, CA. February 22-25, 2009. “Valuing access to water: a spatial hedonic approach with an application to Indian cities.”
- World Bank Seminar. February 11, 2009. The Journey to Safety: Understanding the Spatial Patterns of Conflict-Driven Migration.”
- Lincoln Land Institute Urban Economics and Public Finance Conference, March 7-8, 2008, Boston MA
 - Semiparametric Hedonic Models: An empirical Comparison”.
- Western Regional Science Meetings, The Big Island of Hawaii, Feb. 17-20, 2008. “The Journey to Safety: Displacement Movements in Colombia” (with Piras, G., Ibáñez, A. and Hewings, G. J.D)
- 54th Annual North American Meetings of the Regional Science Association International. Savannah, GA. Nov. 7-10, 2007.
 - “Semiparametric Hedonic Models: An Empirical Comparison”.
 - “Hedonic Regressions: a Spatial Econometrics Model with Autoregressive and Heteroskedastic Disturbances” (with Gianfranco Piras and Julia Koschinsky)
 - “Valuing Access to water in Indian Cities: A Spatial Hedonic Approach” (with Luc Anselin, Uwe Deichmann and Somik Lal)
- Annual Allied Social Science Associations Meetings. Chicago, IL. Jan. 5-7, 2007. “Endogeneity and Spatial Effects in Hedonic House Price Models of Ambient Air Quality” (with Luc Anselin)
- 53rd Annual North American Meetings of the Regional Science Association International. Toronto, Canada. Nov. 16-18, 2006. “Endogeneity and Spatial Effects in Hedonic House Price Models of Ambient Air Quality” (with Luc Anselin)
- International Workshop on Spatial Econometrics and Statistics. Rome, Italy May 28-31, 2006. “Endogeneity and Spatial Effects in Hedonic House Price Models of Ambient Air Quality” (with Luc Anselin)
- 52nd Annual North American Meetings of the Regional Science Association International. Las Vegas, NV, Nov. 10-12, 2005. “The Valuation of Environmental Disamenities in Spatial Hedonic House Price Models: and Empirical Comparison” (with Luc Anselin)

- 1st Latin American Environmental Economists Association Meeting., Cartagena, July 2003. “Air Pollution in Bogotá Colombia: A Concentration Response Approach”

Honors and Awards

- 2007/2008 Honorary Mention for Best Dissertation from the Regional Science Association International at the North American Regional Science Association conference in New York, Nov. 20-22, 2008
- 2006/2007 Empirical Economics Springer Prize for best paper in the journal Empirical Economics. Paper: “Errors in Variables and Spatial Effects in Hedonic House Price Models of Ambient Air Quality” Empirical Economics 34(1), 2008: 5-34
- Lincoln Institute for Land Policy, PhD Dissertation Fellowship, May 2007
- Dissertation Completion Fellowship. University of Illinois, Urbana-Champaign, Aug. 2007 – Aug. 2008
- Member of the Agriculture Honor Society, Gamma Sigma Delta- University of Illinois, Urbana-Champaign since 2005.
- BID-CAF-UNIANDES Scholarship (Joint scholarship from the Inter-American Development Bank, the Andean Corporation and Los Andes University), 1998.

Professional Service

International Journal of Health Geographics, Empirical Economics, Papers in Regional Science, Revista Desarrollo y Sociedad, World Development, Letters in Spatial and Resource Sciences, Revista Colombiana de Estadística, International Regional Science Review, Southern Economic Journal Regional Sciences and Urban Economics, Papers in Regional Sciences.

References available upon request