Luc Anselin

Professor, Department of Agricultural and Consumer Economics, University of Illinois, Urbana-Champaign
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EDUCATION
1980: Ph.D., Regional Science, Cornell University
1979: MA, Regional Science, Cornell University
1976: MA, Statistics, Econometrics and Operations Research, Vrije Universiteit Brussel
1975: Licenciate, Economics, Vrije Universiteit Brussel

PROFESSIONAL EXPERIENCE
Department of Agricultural and Consumer Economics, University of Illinois, 1999-present: Faculty Excellence Professor, Director Spatial Analysis Laboratory, Senior Research Professor, Regional Economics Applications Laboratory; School of Social Science, University of Texas at Dallas, 1998-99: Director, Bruton Center for Development Studies; Regional Research Institute, West Virginia University, 1997-98: Interim Director; Regional Research Institute, West Virginia University, 1993-98: Research Professor of Regional Science; National Center for Geographic Information and Analysis (NCGIA), 1991-93: Associate Director; Department of Geography and Department of Economics, University of California, Santa Barbara, 1985-1994: Associate Professor to Professor; Department of City and Regional Planning, The Ohio State University, 1980-85: Assistant Professor.

SELECTED OTHER APPOINTMENTS
Member, Executive Committee, Center for Spatially Integrated Social Science (CSISS), 1999-present; Member, National Consortium on Violence Research (NCOVR), 1998-present; Editor, International Regional Science Review, 1996-present; Editor-in-Chief, Papers in Regional Science, 1993-95.

SELECTED PUBLICATIONS
(publications selected from 123 peer-reviewed publications)
1.   Anselin, L. (1988). *Spatial Econometrics: Methods and Models*. Boston, Kluwer Academic.
2.   Anselin, L. (1990). Spatial dependence and spatial structural instability in applied regression analysis. *Journal of Regional Science* 30, 185-207.
3.   Anselin, L. and A. Getis (1992). Spatial statistical analysis and geographic information systems. *The Annals of Regional Science* 26, 19-33.
4.   Anselin, L. and R. Florax, Eds. (1995). *New Directions in Spatial Econometrics*. Berlin, Springer-Verlag.
5.   Anselin, L. (1995). Local Indicators of Spatial Association – LISA. *Geographical Analysis* 27, 93-115.
6.   Anselin, L., A. Bera, R. Florax and M. Yoon (1996). Simple diagnostic tests for spatial dependence. *Regional Science and Urban Economics* 26, 77-104.

7.   Anselin, L. and A. Bera (1998). Spatial dependence in linear regression models with an introduction to spatial econometrics. In A. Ullah and D. Giles (Eds.), *Handbook of Applied Economic Statistics*, pp. 237-289. New York: Marcel Dekker.

8.   Anselin, L. (1998). Exploratory spatial data analysis in a geocomputational environment. In P. Longley, S. Brooks, B. Macmillan and R. McDonnell (Eds.), *GeoComputation, a Primer*, pp. 77-94. New York: Wiley.

9.   Anselin, L. (1999). Interactive techniques and exploratory spatial data analysis. In P. Longley, M. Goodchild, D. Maguire and D. Rhind (Eds.), *Geographical Information Systems: Principles, Techniques, Management and Applications*, pp. 251-264. New York, Wiley.

10.   Goodchild, M., L. Anselin, R. Appelbaum, B. Harthorn (2000). Towards spatially integrated social science. *International Regional Science Review* 23, 139-159.

11.   Anselin, L. (2000). Computing environments for spatial data analysis. *Journal of Geographical Systems* 2, 201-225.

12.   Smirnov, O. and L. Anselin (2001). Fast maximum likelihood estimation of very large spatial autoregressive models: a characteristic polynomial approach. *Computational Statistics and Data Analysis* 35, 301-319.

13.   Anselin, L. (2001). Rao's score test in spatial econometrics. *Journal of Statistical Planning and Inference* 97, 113-139.

14.   Anselin, L. (2002). Under the hood: issues in the specification and interpretation of spatial regression models. *Agricultural Economics* 17, 247-267.

15.   Anselin, L. and S. Rey, Eds. (2002). *New Tools for Spatial Data Analysis*: Proceedings of a Workshop. Center for Spatially Integrated Social Science, University of California, Santa Barbara (CD-ROM).

SELECTED SOFTWARE
1.   Anselin, L. (1992). *SpaceStat* Software for Spatial Data Analysis. National Center for Geographical Information and Analysis, University of California, Santa Barbara.

2.   Anselin, L. and I. Syabri (2003). *GeoDa*, Software for Exploratory Spatial Data Analysis, Spatial Analysis Laboratory, Dept. Agricultural and Consumer Economics, University of Illinois, Urbana-Champaign.

SELECTED RECENT RESEARCH SUPPORT
1.   R01 CA 95949-01, 4/01/02-3/31/07, NIH/NCI, Geovisualization and Spatial Analysis of Cancer Data

2.   BCS 9978058, 9/01/99-8/31/04, NSF, Center for Spatially Enabled Social Science

3.   SES 0084213, 7/1/00-6/30/03, NSF/EPA, The Sensitivity of Concentration-Response Functions to the Explicit Modeling of Space-Time Dependence

4.   SBR 9513040, 1/1/00-6/30/02, NSF (NCOVR subcontract), A Web-Based Spatial Analytical Toolkit for the Study of Homicide Data