

SPATIAL ANALYSIS ARTICLES IN 2003

This is a partial listing of Spatial Analysis related publications that appeared in 2003.

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The publications are grouped by general themes (health; environment/natural resources; social sciences; economics/urban economics; methods). Note that publications can appear multiple times depending on substantive and methodological fit.

Agriculture

Brasier, K. J. (2003). Conceptualizing Space within the Sociology of Agriculture. Unpublished Dissertation, U Wisconsin, Madison.

Brooker, S., Singhasivanon, P., Waikagul, J., Supavej, S., Kojima, S., Takeuchi, T., et al. (2003). Mapping soil-transmitted helminths in Southeast Asia and implications for parasite control. *Southeast Asian J Trop Med Public Health*, 34(1), 24-36.

Carnes, L. M., & Karsten, H. D. (2003). Building diverse community networks for sustainable food systems: Guiding philosophies of the Pennsylvania Association for Sustainable Agriculture. *American Journal of Alternative Agriculture*, 18(4), 174.

Chomitz, K. M., & Thomas, T. S. (2003). Determinants of land use in Amazonia: A fine-scale spatial analysis. *American Journal of Agricultural Economics*, 85(4), 1016-1028.

Dunn, S. M., Stalham, M., Chalmers, N., & Crabtree, B. (2003). Adjusting irrigation abstraction to minimise the impact on stream flow in the East of Scotland. *J Environ Manage*, 68(1), 95-107.

Gkiasta, M., Russell, T., Shennan, S., & Steele, J. (2003). Neolithic transition in Europe: The radiocarbon record revisited. *Antiquity*, 77(295), 45.

Goddard, S., Harms, S. K., Reichenbach, S. E., Tadesse, T., & Waltman, W. J. (2003). Geospatial decision support for drought risk management. *Association for Computing Machinery. Communications of the ACM*, 46(1), 35.

Kutsuna, N., Kumagai, F., Sato, M. H., & Hasezawa, S. (2003). Three-dimensional reconstruction of tubular structure of vacuolar membrane throughout mitosis in living tobacco cells. *Plant Cell Physiol*, 44(10), 1045-1054.

Leecaster, M. (2003). Spatial analysis of grain size in Santa Monica Bay. *Mar Environ Res*, 56(1-2), 67-78.

Martin, A., Gunter, J. T., & Regens, J. L. (2003). Estimating erosion in a riverine watershed: Bayou Liberty-Tchefuncta River in Louisiana. *Environ Sci Pollut Res Int*, 10(4), 245-250.

Nicol, G. W., Glover, L. A., & Prosser, J. I. (2003). Spatial analysis of archaeal community structure in grassland soil. *Appl Environ Microbiol*, 69(12), 7420-7429.

Nussbaum, S., Remund, J., Rihm, B., Mieglitz, K., Gurtz, J., & Fuhrer, J. (2003). High-resolution spatial analysis of stomatal ozone uptake in arable crops and pastures. *Environ Int*, 29(2-3), 385-392.

Padilla-Bernal, L., Thilmany, D. D., & Loureiro, M. L. (2003). An empirical analysis of market integration and efficiency for US fresh tomato markets. *Journal of Agricultural and Resource Economics*, 28(3), 435-450.

Parisien, M.-A., & Sirois, L. (2003). Distribution and dynamics of tree species across a fire frequency gradient in the James Bay region of Quebec. *Canadian Journal of Forest Research*, 33(2), 243.

Perz, S. G., & Skole, D. L. (2003). Social Determinants of Secondary Forests in the Brazilian Amazon. *Social Science Research*, 32(1), 25-60.

Rathgeber, C., & Roche, P. (2003). Spatio-temporal growth dynamics of a subAlpine *Pinus uncinata* stand in the French Alps. *C R Biol*, 326(3), 305-315.

Utzing, J., Muller, I., Vounatsou, P., Singer, B. H., N'Goran, E. K., & Tanner, M. (2003). Random spatial distribution of *Schistosoma mansoni* and hookworm infections among school children within a single village. *J Parasitol*, 89(4), 686-692.

Voortman, R. L., & Brouwer, J. (2003). An empirical analysis of the simultaneous effects of nitrogen, phosphorus and potassium in millet production on spatially variable fields in SW Niger. *Nutrient Cycling in Agroecosystems*, 66(2), 143-164.

Environment and Land Use

Beefing Up the Forest: A Latin American Pathway of Deforestation. (2003). *Environment*, 45(6), 28.

Betts, M. G., Franklin, S. E., & Taylor, R. G. (2003). Interpretation of landscape pattern and habitat change for local indicator species using satellite imagery and geographic information system data in New Brunswick, Canada. *Canadian Journal of Forest Research*, 33(10), 1821.

Boots, B., & Shiode, N. (2003). Recursive Voronoi diagrams. *Environment and Planning B-Planning & Design*, 30(1), 113-124.

Boyles, R. P., & Raman, S. (2003). Analysis of climate trends in North Carolina (1949-1998). *Environ Int*, 29(2-3), 263-275.

Broughton, R. K., Osborn, D., Shore, R. F., Wienburg, C. L., & Wadsworth, R. A. (2003). Identifying pollution hot spots from polychlorinated biphenyl residues in birds of prey. *Environ Toxicol Chem*, 22(10), 2519-2524.

Chen, K., Blong, R., & Jacobson, C. (2003). Towards an integrated approach to natural hazards risk assessment using GIS: with reference to bushfires. *Environ Manage*, 31(4), 546-560.

Colgan, A., Hankard, P. K., Spurgeon, D. J., Svendsen, C., Wadsworth, R. A., & Weeks, J. M. (2003). Closing the loop: a spatial analysis to link observed environmental damage to predicted heavy metal emissions. *Environ Toxicol Chem*, 22(5), 970-976.

Franco-Marina, F., Villalba-Caloca, J., Segovia, N., & Tavera, L. (2003). Spatial indoor radon distribution in Mexico City. *Sci Total Environ*, 317(1-3), 91-103.

Hawkins, B. A., & Porter, E. E. (2003). Does herbivore diversity depend on plant diversity? The case of California butterflies. *Am Nat*, 161(1), 40-49.

Hayes, M. V. (2003). "Ecologic confounders" in the context of a spatial analysis of the air pollution-mortality relationship. *J Toxicol Environ Health A*, 66(16-19), 1779-1782.

Jerrett, M., Burnett, R. T., Goldberg, M. S., Sears, M., Krewski, D., Catalan, R., et al. (2003). Spatial analysis for environmental health research: concepts, methods, and examples. *J Toxicol Environ Health A*, 66(16-19), 1783-1810.

Jerrett, M., Burnett, R. T., Willis, A., Krewski, D., Goldberg, M. S., DeLuca, P., et al. (2003). Spatial analysis of the air pollution-mortality relationship in the context of ecologic confounders. *J Toxicol Environ Health A*, 66(16-19), 1735-1777.

Kontos, T. D., Komilis, D. P., & Halvadakis, C. R. (2003). Siting MSW landfills on Lesbos island with a GIS-based methodology. *Waste Manag Res*, 21(3), 262-277.

Litaor, M. I., Reichmann, O., Belzer, M., Auerswald, K., Nishri, A., & Shenker, M. (2003). Spatial analysis of phosphorus sorption capacity in a semiarid altered wetland. *J Environ Qual*, 32(1), 335-343.

Melville, A. J., & Connolly, R. M. (2003). Spatial analysis of stable isotope data to determine primary sources of nutrition for fish. *Oecologia*, 136(4), 499-507.

Pinna, M., Sangiorgio, F., Fonnesu, A., & Basset, A. (2003). Spatial analysis of plant detritus processing in a Mediterranean river type: the case of the River Tirso Basin, Sardinia, Italy. *J Environ Sci (China)*, 15(2), 227-240.

Puel, G. (2003). Geography of Call Centers. *Rezeaux*, 21(119), 203-236.

Sauchyn, D. J., Joss, B. N., & Nyirfa, W. N. (2003). Sharing the geo-referenced results of climate change impact research. *Environ Monit Assess*, 88(1-3), 389-397.

Turner, M. D. (2003). Methodological Reflections on the Use of Remote Sensing and Geographic Information Science in Human Ecological Research. *Human Ecology*, 31(2), 255-279.

Economics

Allard, S. W., Tolman, R. M., & Rosen, D. (2003). The Geography of Need: Spatial Distribution of Barriers to Employment in Metropolitan Detroit. *Policy Studies Journal*, 31(3), 293-307.

Blanchard, T., Irwin, M., Tolbert, C., Lyson, T., & Nucci, A. (2003). Suburban Sprawl, Regional Diffusion, and the Fate of Small Retailers in a Large Retail Environment, 1977-1996. *Sociological Focus*, 36(4), 313-331.

Bordignon, M., Cerniglia, F., & Revelli, F. (2003). In search of yardstick competition: a spatial analysis of Italian municipality property tax setting. *Journal of Urban Economics*, 54(2), 199-217.

Cetina, K. K. (2003). From Pipes to Scopes: The Flow Architecture of Financial Markets. *Distinktion - skandinavisk tidsskrift for samfundsteori*(7), 7-23, 2003.

Curtin, M. (2003). Media Capital: Towards the Study of Spatial Flows. *International Journal of Cultural Studies*, 6(2), 202-228.

Dymski, G. A. (2003). Immigration, Finance, and Urban Evolution: An Illustrative Model, with a Los Angeles Case Study. *The Review of Black Political Economy*, 30(4), 27-50.

Herod, A. (2003). Workers, Space, and Labor Geography. *International Labor and Working-Class History*(64), 112-138, fall 2003.

Pagourtzi, E., Assimakopoulos, V., Hatzichristos, T., & French, N. (2003). Real estate appraisal: A review of valuation methods. *Journal of Property Investment & Finance*, 21(4), 383.

Urban Planning and Community

Abbott, J., & Douglas, D. (2003). The Use of Longitudinal Spatial Analyses of Informal Settlements in Urban Development Planning. *Development Southern Africa*, 20(1), 3-19.

Beveridge, A. A., & Weber, S. (2003). Race and Class in the Developing New York and Los Angeles Metropolises: 1940-2000. In A. A. Beveridge & S. Weber (Eds.), *New York and Los Angeles* (pp. 49-78). Chicago: U Chicago Press.

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Brown, R. M. (2003). The Cemeteries and the Suburbs: Patna's Challenges to the Colonial City in South Asia. *Journal of Urban History*, 29(2), 151-173.

Campbell, C. D. (2003). Place Making in Los Angeles: Constructing a Sense of Place Out of Ordinary Urban Space through Symbolic and Social Means. Unpublished Dissertation, U California, Los Angeles.

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Foster, J. (2003). 'Land of Contrasts' or 'Home We Have Always Known'?: The SAR&H and the Imaginary Geography of White South African Nationhood, 1910-1930. *Journal of Southern African Studies*, 29(3), 657-680.

Gotham, K. F. (2003). Toward an Understanding of the Spatiality of Urban Poverty: The Urban Poor as Spatial Actors. *International Journal of Urban and Regional Research*, 27(3), 723-737.

Hogan, T. (2003). Postcolonial Cities: A View from Jakarta. *Thesis Eleven*(73), 113-121, May 2003.

Horn, A., & Ngcobo, J.-R. B. (2003). The Suburban Challenge: (De)Segregation, Opportunity, and Community in Akasia, City of Tshwane. *Urban Forum*, 14(4), 320-346.

Kim, T. K., & Horner, M. W. (2003). Exploring spatial effects on urban housing duration. *Environment and Planning A*, 35(8), 1415-1429.

Maher, K. H. (2003). Workers and strangers - The household service economy and the landscape of suburban fear. *Urban Affairs Review*, 38(6), 751-786.

Negrete Salas, M. E. (2003). Population Aging in Mexico City: Evolution and Spatial Distribution Patterns 1970-2000. *Papeles de Poblacion*, 9(37), 107-127.

Phelps, N. A., & Ozawa, T. (2003). Contrasts in Agglomeration: Proto-Industrial, Industrial and Post-Industrial Forms Compared. *Progress in Human Geography*, 27(5), 583-604.

Preteceille, E. (2003). Social Segregation and the Evolution of Urban Inequalities: The Case of the Parisian Metropolis. *Caderno CRH*(38), 27-48, Jan-June 2003.

Pugh, T. W. (2003). A cluster and spatial analysis of ceremonial architecture at Late Postclassic Mayapan. *Journal of Archaeological Science*, 30(8), 941-953.

Sassen, S. (2003). Globalization or Denationalization? *Review of International Political Economy*, 10(1), 1-22.

Scheiner, J., & Kasper, B. (2003). Lifestyles, Choice of Housing Location and Daily Mobility: The Lifestyle Approach in the Context of Spatial Mobility and Planning. *International Social Science Journal*, 55(2), 319-332.

Schor, S. M., Artes, R., & Bomfim, V. C. (2003). Determinants of Spatial Distribution of Street People in the City of Sao Paulo. *Urban Affairs Review*, 38(4), 592-602.

Sin, C. H. (2003). The Politics of Ethnic Integration in Singapore: Malay 'Regrouping' as an Ideological Construct. *International Journal of Urban and Regional Research*, 27(3), 527-544.

Wong, K. Y., Shen, J. F., Feng, Z. Q., & Gu, C. L. (2003). An analysis of dual-track urbanisation in the Pearl River Delta since 1980. *Tijdschrift Voor Economische En Sociale Geografie*, 94(2), 205-218.

Transportation

Hijar, M., Trostle, J., & Bronfman, M. (2003). Pedestrian injuries in Mexico: a multi-method approach. *Soc Sci Med*, 57(11), 2149-2159.

Rodriguez, D. Y., Fernandez, F. J., & Acero Velasquez, H. (2003). Road traffic injuries in Colombia. *Inj Control Saf Promot*, 10(1-2), 29-35.

Sociology, Demography, Political Science, Anthropology, Criminology

Balakrishnan, T. R., & Gyimah, S. (2003). Spatial residential patterns of selected ethnic groups: significance and policy implications. *Canadian Ethnic Studies*, 35(1), 111.

- Batorski, D., & Bartkowski, W. (2003). Party Identification and the Spatial Theory of Elections. *Studia Socjologiczne*(1), 113-138, 2003.
- Brown, M., & Staeheli, L. A. (2003). 'Are We There Yet?' Feminist Political Geographies. *Gender, Place and Culture*, 10(3), 247-255.
- Bunker, S. G. (2003). Matter, Space, Energy, and Political Economy: The Amazon in the World System. *Journal of World-Systems Research*, 9(2), 219-258.
- Chamard, S. E. (2003). Innovation-Diffusion Networks and the Adoption and Discontinuance of Computerized Crime Mapping by Municipal Police Departments in New Jersey. Unpublished Dissertation, Rutgers State U New Jersey, Newark.
- Charles, C. Z. (2003). The Dynamics of Racial Residential Segregation. *Annual Review of Sociology*, 29, 167-207.
- Cho, W. K. T. (2003). Contagion effects and ethnic contribution networks. *American Journal of Political Science*, 47(2), 368-387.
- Cieri, M. (2003). Between Being and Looking: Queer Tourism Promotion and Lesbian Social Space in Greater Philadelphia. *ACME: An International E-Journal for Critical Geographies*, 2(2), 147-166.
- Clark, T. D., & Prekevicius, N. (2003). Explaining the 2000 Lithuanian Parliamentary elections: An application of contextual and new institutional approaches. *Slavic Review*, 62(3), 548.
- Driedger, L. (2003). Changing Boundaries: Sorting Space, Class, Ethnicity and Race in Ontario. *The Canadian Review of Sociology and Anthropology/La Revue Canadienne de Sociologie et d'Anthropologie*, 40(5), 593-621.
- Field, S. H. (2003). Examining the Incivilities Thesis: A Spatial and Temporal Analysis of the Relationship between Public Order Crime and More Serious Crime. Unpublished Dissertation, U Texas, Austin.
- Haman, J. (2003). Stability and Change in the Spatial Voting Models. *Studia Socjologiczne*(1), 39-78, 2003.
- Hater, K. (2003). Living Here Today and There Tomorrow? Aspects of the Spatial Reorganization of Family Relations following Separation. *Diskurs*, 13(2), 42-49.
- Heppen, J. (2003). Racial and social diversity and US presidential election regions. *Professional Geographer*, 55(2), 191-205.

- Heppen, J., & Mesyanzhinov, D. (2003). Political geography and regionalism in Louisiana: the impact of the French influence in the post-World War II era. *Political Geography*, 22(5), 519-533.
- Hirshorn, B. A., & Stewart, J. E. (2003). Geographic Information Systems in Community-Based Gerontological Research and Practice. *Journal of Applied Gerontology*, 22(1), 134-151.
- Hoffmann, O. (2003). Spaces and Mobility of Black People in the Colombian South Pacific: Toward the Building of a "Regional Society? *Estudios Afro-Asiaticos*, 25(1), 43-74.
- Jaret, C., Reid, L. W., & Adelman, R. M. (2003). Black-White Income Inequality and Metropolitan Socioeconomic Structure. *Journal of Urban Affairs*, 25(3), 305-333.
- Jasinski, M. (2003). Ideological Position and the Importance of Participants in Decision-Making Bodies. *Studia Socjologiczne*(1), 139-174, 2003.
- Jukarainen, P. (2003). Definitely Not Yet the End of Nations: Northern Borderlands Youth in Defence of National Identities. *Young*, 11(3), 217-234.
- Kim, J., Elliott, E., & Wang, D. M. (2003). A spatial analysis of county-level outcomes in US Presidential elections: 1988-2000. *Electoral Studies*, 22(4), 741-761.
- Lissowski, G. (2003). Introduction to the Spatial Theory of Voting. *Studia Socjologiczne*(1), 9-37, 2003.
- Little, J. (2003). 'Riding the Rural Love Train': Heterosexuality and the Rural Community. *Sociologia Ruralis*, 43(4), 401-417.
- Low, S. M. (2003). Anthropological Theories of Body, Space, and Culture. *Space and Culture*, 6(1), 9-18.
- Lu, Y. M. (2003). Getting away with the stolen vehicle: An investigation of journey-after-crime. *Professional Geographer*, 55(4), 422-433.
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- Milligan, C. (2003). Location or Dis-Location? Towards a Conceptualization of People and Place in the Care-Giving Experience. *Social & Cultural Geography*, 4(4), 455-470.
- Mlinar, Z. (2003). Telework and Spatial and Temporal Organisation of the Residential Environment. *Teorija in Praksa*, 40(6), 1012-1039.
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- Nejasmic, I. (2003). Characteristics of Biological [Demographic] Population Structure in Croatia. *Hrvatski Geografski Glasnik/Croatian Geographical Bulletin*, 65(2), 29-54.
- Nishikawa, T. (2003). The Early Chicago School of Sociology and E. F. Frazier -- "Climax" and "Rudiments" of the Human Ecological Method. *Soshioroji*, 48(2), 91-107.
- Parisi, D., Cecconi, F., & Natale, F. (2003). Cultural Change in Spatial Environments: The Role of Cultural Assimilation and Internal Changes in Cultures. *Journal of Conflict Resolution*, 47(2), 163-179.
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- Schaap, F. (2003). Constructions and Conventions of Gender in Virtual Reality. *Amsterdams Sociologisch Tijdschrift*, 30(1-2), 89-109.
- Schroer, M. (2003). Body and Space -- Dividing Lines. *Leviathan: Zeitschrift fur Sozialwissenschaft*, 31(3), 401-416.
- Sic, M. (2003). Regional Disparities in Croatia. *Hrvatski Geografski Glasnik/Croatian Geographical Bulletin*, 65(2), 5-27.

Simmons, S. L. (2003). *Contested Suburbs: Space and Its Representation in Moral Panics*. Unpublished Dissertation, U New Orleans.

Starr, H. (2003). The power of place and the future of spatial analysis in the study of conflict. *Conflict Management and Peace Science*, 20(1), 1-20.

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Tilly, C. (2003). *Contention over Space and Place. Mobilization: An International Journal*, 8(2), 221-225.

Wright, B. S. (2003). *Experiencing God: An Ethnography of Pentecostal Worship, Race, and Place*. Unpublished Dissertation, Wayne State U.

Yue, T. X., Wang, Y. A., Chen, S. P., Liu, J. Y., Qiu, D. S., Deng, X. Z., et al. (2003). Numerical Simulation of Population Distribution in China. *Population and Environment*, 25(2), 141-163.

Statistical and Methodological Issues

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Health and Health Care

Bang, J., Dahl, T., Bruinsma, A., Kaspersen, J. H., Nagelhus Hernes, T. A., & Myhre, H. O. (2003). A new method for analysis of motion of carotid plaques from RF ultrasound images. *Ultrasound Med Biol*, 29(7), 967-976.

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Disease

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