

SPATIAL ANALYSIS ARTICLES IN 2009

This is a partial listing of Spatial Analysis related publications that appeared in 2009.

Prepared Fall 2009

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Benenson, I., E. Hatna, E. and E. Or. 2009. "From Schelling to Spatially Explicit Modeling of Urban Ethnic and Economic Residential Dynamics." *Sociological Methods & Research*, 37(4):463-497.

Campbell, D., W.G. Hutchinson, and R. Scarpa. 2009. "Using choice experiments to explore the spatial distribution of willingness to pay for rural landscape improvements." *Environment and Planning A*, 41(1):97-111.

Ceccato, V. 2009. "Crime in a City in Transition: The Case of Tallinn, Estonia." *Urban Studies*, 46(8):1611-1638.

Demirel, R. and S. Erdogan. 2009. "Determination of high risk regions of cutaneous leishmaniasis in Turkey using spatial analysis." *Turkiye Parazitolojisi Dergisi*, 33(1):8-14.

Eisen, L. and S. Lozano-Fuentes. 2009. "Use of Mapping and Spatial and Space-Time Modeling Approaches in Operational Control of *Aedes aegypti* and Dengue." *PLoS Neglected Tropical Diseases*, 3(4):e411.

Ersoy, H. and F. Bulut. 2009. "Spatial and multi-criteria decision analysis-based methodology for landfill site selection in growing urban regions." *Waste Management Resources*, 27(5):489-500.

Goodall, J.L. and D.R. Maidment. 2009. "A spatiotemporal data model for river basin-scale hydrologic systems." *International Journal of Geographical Information Science*, 23(2):233-247.

Han, J., Y. Hayashi, X. Cao, and H. Imura. 2009. "Application of an integrated system dynamics and cellular automata model for urban growth assessment: A case study of Shanghai, China." *Landscape and Urban Planning*, 91(3):133-141.

Kara, F. and A. Demirci. 2009. "Spatial analysis and facility characteristics of outdoor recreational areas in Istanbul." *Environ Monitoring and Assessment*.

Karanovic, M., M. Tonkin, and D. Wilson. 2009. "KT3D_H2O: A program for

kriging water level data using hydrologic drift terms." *Ground Water*, 47(4):580-586.

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Kawabata, M. 2009. "Spatiotemporal dimensions of modal accessibility disparity in Boston and San Francisco." *Environment and Planning A*, 41(1):183-198.

Kearney, G. and G.E. Kiros. 2009. "A spatial evaluation of socio demographics surrounding National Priorities List sites in Florida using a distance-based approach." *International Journal of Health Geography*, 8:33.

Li, J.L. and P. Newcomb. 2009. "Disparities in childhood asthma hospitalizations: A spatial analysis of contextual effects." *Transportation Research Part D-Transport and Environment*, 14(5):317-325.

Luo, W. and Y. Qi. 2009. "An enhanced two-step floating catchment area (E2SFCA) method for measuring spatial accessibility to primary care physicians." *Health Place*.

Mukerjee, S., L.A. Smith, M.M. Johnson, L.M. Neas, and C.A. Stallings. (2009). "Spatial analysis and land use regression of VOCs and NO(2) from school-based urban air monitoring in Detroit/Dearborn, USA." *Science Total Environment*, 407(16):4642-4651.

Nihei, N., O. Komagata, M. Kobayashi, Y. Saitoh, K. Mochizuki, and S. Nakamura. 2009. "Spatial analysis and remote sensing for monitoring systems of *Oncomelania nosophora* following the eradication of schistosomiasis japonica in Yamanashi Prefecture, Japan." *Japanese Journal of Infectious Disease*, 62(2):125-132.

Okabe, A., T. Satoh, K. Sugihara. 2009. "A kernel density estimation method for networks, its computational method and a GIS-based tool." *International Journal of Geographical Information Science*, 23(1):7-32.

Orru, H., E. Teinmaa, T. Lai, T. Tamm, M. Kaasik, V. Kimmel, et al. 2009. "Health impact assessment of particulate pollution in Tallinn using fine spatial resolution and modeling techniques." *Environmental Health*, 8:7.

Rae, A. 2009. "From spatial interaction data to spatial interaction information? Geovisualisation and spatial structures of migration from the 2001 UK census." *Computers Environment and Urban Systems*, 33(3):161-178.

Rafiee, R., A.S. Mahiny, N. Khorasani, A.A. Darvishsefat, and A. Danekar. 2009.

“Simulating urban growth in Mashad City, Iran through the SLEUTH model (UGM).” *Cities*, 26(1):19-26.

Rinaldi, L., V. Musella, V. Veneziano, R.U. Condoleo, and G. Cringoli. 2009. “Helminthic infections in water buffaloes on Italian farms: a spatial analysis.” *Geospatial Health*, 3(2):233-239.

Schuurman, N., N.J. Bell, R. L'Heureux, and S.M. Hameed. 2009. “Modelling optimal location for pre-hospital helicopter emergency medical services.” *BMC Emergency Medicine*, 9:6.

Schuurman, N., J. Cinnamon, V.A. Crooks, and S.M. Hameed. 2009. “Pedestrian injury and the built environment: An environmental scan of hotspots.” *BMC Public Health*, 9:233.

Simoonga, C., J. Utzinger, S. Brooker, P. Vounatsou, C.C. Appleton, A.S. Stensgaard, et al. 2009. “Remote sensing, geographical information system and spatial analysis for schistosomiasis epidemiology and ecology in Africa.” *Parasitology*, 1-11.

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Spielman, S.E. and E.H. Yoo. 2009. “The spatial dimensions of neighborhood effects.” *Social Science & Medicine*, 68(6):1098-1105.

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Sudakin, D.L. and L.E. Power. 2009. “Regional variation in the severity of pesticide exposure outcomes: Applications of geographic information systems and spatial scan statistics.” *Clinical Toxicology (Philadelphia, PA)*, 47(3):248-252.

Wu, W., J.Q. Guo, Z.H. Yin, P. Wang, and B.S. Zhou. 2009. “GIS-based spatial, temporal, and space-time analysis of haemorrhagic fever with renal syndrome.” *Epidemiology Infection*, 1-10.