David Wong, PhD

Professor, Geography & Geoinformation Science

Education

PhD, Geography, University at Buffalo

Key Interests

Spatial Demography | Population Segregation | Spatial Epidemiology | Geographic Information Systems (GIS) | Spatial Statistics | Geo-Statistical Visaluzation

CONTACT

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SELECT PUBLICATIONS

› DasGupta, D. and D. W.S Wong. (2020). How "dependent" are we? A spatiotemporal analysis of the young and the older adult populations in the US. *Population Research and Policy Review*.

› Oka, M., and D. W. S. Wong. (2019) Segregation: a multi-contextual and multi-faceted phenomenon in stratified societies. In *Handbook of Urban Geography*, eds. T. Schwanen and R. van Kempen, 255–280. Edward Elgar Publishing.

› Koo, H., D.W.S. Wong, and Y. Chun. (2019). Measuring global spatial autocorrelation with data reliability information. *The Professional Geographer* 71(3): 551-565.

Research Focus

I study the geographical-spatial dimensions of population and health, as related to the physical and built environments using tools in Geographic Information Systems (GIS) and spatial statistics. Population dynamics, both spatial and temporal, are the sources of almost all problems. Therefore, understanding population, it's dynamics and characteristics, is a must to address any problem.

Current Projects

■ Choropleth Mapping of SEER*Stat data incorporating data reliability statistics.

■ Uncertainty in Spatial Data: Identification, Visualization and Utilization.

■ Heuristic spatial cluster detection methods.