Estimating temporary populations: a systematic review of the empirical literature

Appendix 5: Applications & related studies

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Author	Year of publication	Applications and related studies
Gober	1984	Rose, L. S., & Kingma, H. L. (1989). Seasonal Migration of Retired Persons: Estimating Its Extent and Its Implications for the Stat 15106 (https://doi.org/10.3233/JEM-1989-15106)
Kavanaugh	1990	The San Diego Association of Governments (SANDAG). (2000). Daytime population: The region's population distribution shifts http://sandiegohealth.org/sandag/publicationid_648_829.pdf (http://sandiegohealth.org/sandag/publicationid_648_829.pdf)
Stutz	1992	Stutz, F. P. (2004). Charting Urban Travelers 24–7 for Disaster Evacuation and Homeland Security. In WorldMinds: Geographical 1_29 (https://doi.org/10.1007/978-1-4020-2352-1_29)
Akkerman	1995	Akkerman, Abraham. (1995). Diurnal Population Cycle and Metropolitan Commuter Exchange: A Formal Investigation of an Urb
		Akkerman, Abraham. (2000). The Diurnal Cycle of Regional Commuter Systems: North Wales, 1991. Geographical Analysis, 32(3 4632.2000.tb00427.x)
		Akkerman, Abraham, & Hwang-Kurylyk, Y. (2004). The origin-destination matrix as an indicator of intrahousehold travel allocat (https://doi.org/10.1080/0308106042000263078)
		Akkerman, A, Kudrna, J. A. N., & Apeltauer, T. (2009). Urban Commuting and Daytime Population in Small Areas of a Metropolis
		Akkerman, Abraham, & Shimoura, S. (2012). Discrete choice in commuter space: Small area analysis of diurnal population chang https://doi.org/10.1016/j.compenvurbsys.2012.03.001 (https://doi.org/10.1016/j.compenvurbsys.2012.03.001)
Galvez	1996	Smith, S. K., & House, M. (2006). Snowbirds, Sunbirds, and Stayers: Seasonal Migration of Elderly Adults in Florida. The Journals (https://doi.org/10.1093/geronb/61.5.S232)
		Smith, S. K., & House, M. (2007). Temporary Migration: A Case Study of Florida. Population Research and Policy Review, 26(4), 4
Bell M	1998	Bell, M., & Ward, G. (1999). The impacts and implications of temporary movers in Queensland: evidence from the 1996 census. https://search.informit.com.au/fullText;dn=200000959;res=IELAPA (https://search.informit.com.au/fullText;dn=200000959;re
		Bell, M., & Ward, G. (2000). Comparing temporary mobility with permanent migration. Tourism Geographies, 2(1), 87–107. http
		Charles-Edwards, E., & Panczak, R. (2018). Elsewhere in Australia: a snapshot of temporary mobility on the night of the 2016 Ce
Roddis	1998	Roddis, S., & Richardson, A. (1998). Construction of Daytime Activity Profiles from Household Travel Survey Data. Transportatio https://doi.org/10.3141/1625-13 (https://doi.org/10.3141/1625-13)
		Roddis, S., Richardson, A., & Mcpherson, C. (1998). Obtaining Travel Intensity Profiles from Household Travel Survey Data. Tran https://doi.org/10.3141/1625-12 (https://doi.org/10.3141/1625-12)
Taylor	1998	Taylor, J. (1996). Short-term Indigenous population mobility and service delivery (Discussion Paper No. 118) (p. 27). Centre for http://caepr.cass.anu.edu.au/research/publications/short-term-indigenous-population-mobility-and-service-delivery (http://ca
McPherson	2003	McPherson, T. N., & Brown, M. J. (2004). Estimating Daytime and Nighttime Population Distributions in U.S. Cities for Emergenc Zone, Seattle, WA.
		McPherson, T. N., Ivey, A., Brown, M. J., & Streit, G. E. (2004). Determination of the spatial and temporal distribution of populat
		McPherson, T. N., Rush, J. F., Khalsa, H., Ivey, A., & Brown, M. J. (2006). A day-night population exchange model for better expos Society) Annual Meeting, Atlanta, GA.
Bhaduri	2007	Bhaduri, B. (2008). Population Distribution During the Day. In Encyclopedia of GIS (pp. 880–885). Springer, Boston, MA. https://
Collins	2007	Greaves, S., & Collins, A. (2007). Disaggregate spatio-temporal assessments of population exposure to aircraft noise. Journal o (https://doi.org/10.1016/j.jairtraman.2007.05.005)
Needham	2007	Needham, C. (2009). Using GIS to model the diurnal variation of urban population distribution. In A. Car, G. Griesebner, & J. Stro Heidelberg: Wichmann Herbert.
Freire	2010	Freire, S. M. C. (2007). Modeling daytime and nighttime population distributions in Portugal using geographic information syst https://search.proquest.com/docview/304856827/abstract/3DB4099E5DAE4A43PQ/1 (https://search.proquest.com/docview/
		Freire, S, Aubrecht, C., & Wegscheider, S. (2011). Spatio-temporal population distribution and evacuation modeling for improvi Retrieved from http://elib.dlr.de/74594/ (http://elib.dlr.de/74594/)
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		Freire, S., & Aubrecht, C. (2012). Integrating population dynamics into mapping human exposure to seismic hazard. Nat. Hazard (https://doi.org/10.5194/nhess-12-3533-2012)
		Freire, S., & Gomes, N. (2013). Advancing environmental noise pollution analysis in urban areas by considering the variation of Sensing and Spatial Information Sciences (Vol. XL-4-W1, pp. 155–160). London, United Kingdom: Copernicus GmbH. https://doi

Author	Year of publication	Applications and related studies
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		Freire, S, Florczyk, A. J., & Ferri, S. (2015). Modeling Day-and Nighttime Population Exposure at High Resolution: Application to Conference. Kristiansand. Retrieved from https://www.researchgate.net/profile/Sergio_Freire/publication/280720647_Model and_Nighttime_Population_Exposure_at_High_Resolution_Application_to_Volcanic_Risk_Assessment_in_Campi_Flegrei/links (https://www.researchgate.net/profile/Sergio_Freire/publication/280720647_Modeling_Day-and_Nighttime_Population_Exposure_at_High_Resolution_Application_to_Volcanic_Risk_Assessment_in_Campi_Flegrei/links
Charles-Edwards	2011	Charles-Edwards, E., & Bell, M. J. (2009). A Simulation Approach to Modelling Temporary Population. In Proceedings of: 26th In University. Retrieved from https://espace.library.uq.edu.au/view/UQ:217202 (https://espace.library.uq.edu.au/view/UQ:21720
		Charles-Edwards, E., Bell, M. J., & Brown, D. S. (2007). Modelling the factors underlying the seasonality of temporary populatio Dynamics, Hong Kong: espace.library.uq.edu.au. Retrieved from https://espace.library.uq.edu.au/view/UQ:151586 (https://esp
		Charles-Edwards, E., Brown, D. S., & Bell, M. (2007). The determinants of temporary population mobility in Australia: A Poisson espace.library.uq.edu.au. Retrieved from https://espace.library.uq.edu.au/view/UQ:135596 (https://espace.library.uq.edu.au/v
		Charles-Edwards, E. (2016). The Estimation of Temporary Populations in Australia. In Demography for Planning and Policy: Aus (https://doi.org/10.1007/978-3-319-22135-9_3)
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Terada	2013	Odawara, T., & Kawakami, H. (2013). Using Mobile Spatial Statistics in Field of Urban Planning. NTT DOCOMO Technical Journa
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Deville	2014	Selvarajoo, S., Schläpfer, M., & Tan, R. (2018). Urban Electric Load Forecasting with Mobile Phone Location Data. Presented at t https://doi.org/10.1109/ACEPT.2018.8610757 (https://doi.org/10.1109/ACEPT.2018.8610757)
Gao X	2014	Yuan, H., Gao, X., & Qi, W. (2019). Modeling the fine-scale spatiotemporal pattern of earthquake casualties in cities: Application https://doi.org/10.1016/j.ijdrr.2018.12.010 (https://doi.org/10.1016/j.ijdrr.2018.12.010)
Himoto	2014	Himoto, K., Kimata, J., Nishino, T., & Tanaka, T. (2013). Estimation of day-long population dynamics of workers using nation-wid 2013: 13th International Conference on Computers in Urban Planning and Urban Management - Planning Support Systems for https://www.scopus.com/inward/record.uri?eid=2-s2.0-84899151392&partnerID=40&md5=10e69a2f9df23873dd738320f6dd4 84899151392&partnerID=40&md5=10e69a2f9df23873dd738320f6dd4af1)
Martin D	2015	Martin, D., Cockings, S., & Leung, S. (2009). Population 24/7: building time-specific population grid models. Presented at the Eu
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Khodabandelou	2016	Khodabandelou, G., Gauthier, V., Fiore, M., & Yacoubi, M. A. E. (2018). Estimation of Static and Dynamic Urban Populations with https://doi.org/10.1109/TMC.2018.2871156 (https://doi.org/10.1109/TMC.2018.2871156)
Batista e Silva	2017	Batista e Silva, F., Marín Herrera, M. A., Rosina, K., Ribeiro Barranco, R., Freire, S., & Schiavina, M. (2018). Analysing spatiotempo Management, 68, 101–115. https://doi.org/10.1016/j.tourman.2018.02.020 (https://doi.org/10.1016/j.tourman.2018.02.020)
Edmondson		Campanelli, F., Donovan, T., Wehse, A., & Winter, S. (2017). Estimating the Effective Population of Nantucket. Worcester Polyte (https://wp.wpi.edu/nantucket/projects/2017-projects/ndp/)
Chen	2018	Li, M., Zhang, H., & Chen, J. (2019). Fine-Grained Dynamic Population Mapping Method Based on Large-Scale Sparse Mobile Ph https://doi.org/10.1109/MDM.2019.00008 (https://doi.org/10.1109/MDM.2019.00008)