

LIFETIME PUBLICATIONS: (i)

Peer-Reviewed:

(c) *Published Journal Articles:*

(trainees are underlined; *: SCI® Indexed Journal):

Peer Reviewed Journal Articles (trainees are underlined; *: SCI® Indexed Journal):

- * 1. Rojas C, **Páez A**, Barbosa O, Carrasco JA (2015) *Accessibility to Urban Green Spaces in Chilean Cities using Adaptive Thresholds*, Journal of Transport Geography (submitted)
- * 2. López FA, **Páez A**, Carrasco JA, Ruminot N (2015) *Network autocorrelation, topology, and vulnerable nodes*, Journal of Transport Geography (submitted)
- * 3. López FA, **Páez A** (2015) *Using a spatial scan test to explore the clustering of technology firms in the Greater Toronto Area*, The Canadian Geographer (submitted)
- * 4. He L, **Páez A** (2015) *Persistence of crime hot spots: An ordered probit analysis*, Geographical Analysis (submitted)
- * 5. Lopez F, Matilla M, Mur J, **Páez A**, Ruiz M (2015) A note on the SG(m) Test, Journal of Geographical Systems (online first; doi: 10.1007/s10109-015-0221-7;)
- * 6. Moniruzzaman M, **Páez A** (2015) *An investigation of the attributes of walkable environments from the perspective of seniors in Montreal*, Journal of Transport Geography, 51 85-96 (doi: 10.1016/j.jtrangeo.2015.12.001)
7. Silva RR, Paez A (2015) O Isolamento Geoeconomico dos Municipios da Regiao Norte do Brasil: Uma Proposta para Quantifica-lo, Revista Brasileira de Estudos Regionais e Urbanos, 7 (1) 1-18
- * 8. Goetzke F, Gerike R, **Páez A**, Dugundji E (2015) Social interactions in transportation: analyzing groups and spatial networks, Transportation, 42 (5) 723-731
- * 9. Moniruzzaman M, Anna Chudyk, **Páez A**, Winters M, Sims-Gould J, McKay H (2015) *Travel behavior of low income older adults and development of an accessibility calculator*, Journal of Transportation and Health, 2 (2) 257-268 (doi:10.1016/j.jth.2015.02.006)
- * 10. Farber S, Ruiz M, **Páez A** (2015) *Testing for spatial independence using similarity relationships*, Geographical Analysis, 47 (2) 97-120
- * 11. Moniruzzaman M, **Páez A**, Scott DM, Morency C (2015) *Multimodal trip generation of seniors with a focus on walking: Application of a trivariate ordered probit modeling approach*, Environment and Planning A, 47(4) 957-976
- * 12. He L, **Páez A**, Liu D, Jiang S (2015) *Temporal stability of model parameters in crime rate analysis: An empirical examination*, Applied Geography, 58 141-152 (doi:10.1016/j.apgeog.2015.02.002)
- * 13. Roofigari-Esfahan N, **Páez A**, Razaavi S (2015) *Location-Aware Scheduling and Control of Linear Projects: Introducing Space-Time Float Prisms*, Journal of Construction Engineering and Management, 141 (1) 06014008 (doi: 10.1061/(ASCE)CO.1943-7862.0000916)
- * 14. Neto RMS, Duarte G, **Páez A** (2015) *Gender, Marital Status, and Commuting Time in São Paulo Metropolitan Region*, Urban Studies, 52 (2) 298-313 (doi: 10.1177/0042098014528392)
- * 15. Poliou T, Elliott SJ, **Páez A**, Newbold KB (2014) *Building obesity in Canada: understanding the individual- and neighbourhood-level determinants using a multi-level approach*, Geospatial Health, 9 (1) 45-55
- * 16. Farber S, Bartholomew K, Li X, Páez A, Habib KMN (2014) Social Equity in Distance Based Transit Fares, Transportation Research A, 67 291-303 (doi: 10.1016/j.tra.2014.07.013)

- * 17. Wheeler DC, **Páez A**, Spinney J, Waller LA (2014) *A Bayesian Approach to Hedonic Price Analysis*, Papers in Regional Science, 93 (3) 663-683 (doi:10.1111/pirs.12003)
- * 18. Moniruzzaman M, **Páez A**, Morency C (2014) *Compliance Potential Mapping: A Tool to Assess Potential Contributions of Walking Towards Physical Activity Guidelines*, BMC Public Health, 14 (511)
- * 19. Reyes MF, **Páez A**, Morency C (2014) *Walking Accessibility to Urban Parks by Children: A Case Study of Montreal*, Landscape and Urban Planning, 125 38-47 (doi:10.1016/j.landurbplan.2014.02.002)
- * 20. **Páez A**, Moniruzzaman M, Bourbonnais PL, Morency C (2013) *Developing a web-based accessibility calculator prototype for the Greater Montreal Area*, Transportation Research A, 58 103-115 (doi: 10.1016/j.tra.2013.10.020)
- * 21. Lavery T, **Páez A**, Kanaroglou PS (2013) Driving out of choices: An investigation of transport modality in a university sample, Transportation Research A, 57 37-46 (doi: 10.1016/j.tra.2013.09.010)
- * 22. **Páez A**, Farber S, Mercado RG, Roorda M, Morency C (2013) *Jobs and the Single- Parent: An Analysis of Accessibility to Employment in Toronto*, Urban Geography, 34 (6) 815-842 (doi: 10.1080/02723638.2013.778600)
- * 23. Le Gallo J, **Páez A** (2013) *Using synthetic variables in instrumental variable estimation of spatial series models*, Environment and Planning A, 45 (9) 2227 – 2242
- * 24. **Páez A**, Esita J, Newbold KB, Heddle NM, Blake J (2013) *Exploring resource allocation and alternate clinic accessibility landscapes for improved blood donor turnout*, Applied Geography, 45 89-97
(<http://dx.doi.org/10.1016/j.apgeog.2013.08.008>)
- * 25. **Páez A**, López FA, Ruiz M, Morency C (2013) *Developing an indicator of spatial fit for discrete choice models*, Transportation Research B, 56 217-233
(<http://dx.doi.org/10.1016/j.trb.2013.08.009>)
- * 26. Scott DM, Dugundji ER, **Páez A** (2013) *The Social Dimension of Activity, Travel and Location Choice Behavior*, Journal of Transport Geography, 31 212-215
(<http://dx.doi.org/10.1016/j.jtrangeo.2013.06.009>)
- * 27. Whalen K, **Páez A**, Carrasco JA (2013) *Mode choice of university students commuting to school and the role of active travel*, Journal of Transport Geography, 31 132–142 (doi: 10.1016/j.jtrangeo.2013.06.008)
- * 28. Moniruzzaman M, **Páez A**, Habib KMN, Morency C (2013) *Mode use and trip length of seniors in Montreal*, Journal of Transport Geography, 30 89-99 (doi: 10.1016/j.jtrangeo.2013.03.007)
- * 29. **Páez A** (2013) *Mapping Travelers' Attitudes: Does Space Matter?* Journal of Transport Geography, 26 117-125 (doi: 10.1016/j.jtrangeo.2012.09.002)
- * 30. Moniruzzaman M, **Páez A** (2012) *A model-based approach to select case sites for conducting walkability audits*, Health and Place, 18 (6) 1323-1334 (doi: 10.1016/j.healthplace.2012.09.013)
- * 31. **Páez A**, Farber S (2012) *Participation and desire: Leisure activities among Canadian adults with disabilities*, Transportation, 39 (6) 1055-1078 (doi: 10.1007/s11116-012-9385-x)
- * 32. **Páez A**, Scott DM, Morency C (2012) *Measuring accessibility: Positive and normative aspects of various accessibility indicators*, Journal of Transport Geography.

- * 33. **Páez A**, Trépanier M, Morency C (2012) *Modeling isoexposure to transit users for market potential analysis*, Transportation Research A, 46 (10) 1517-1527 (doi: 10.1016/j.tra.2012.07.004)
- * 34. Moniruzzaman M, **Páez A** (2012) *Accessibility to Transit, by Transit, and Mode Share: Application of a Logistic Model with Spatial Filters*, Journal of Transport Geography, 24 198-205 (doi: 10.1016/j.jtrangeo.2012.02.006)
- * 35. Scott DM, Dam I, **Páez A**, Wilton R (2012) *Investigating the effects of social influence on the choice to telework*, Environment and Planning A, 44 (5) 1016-1031 (doi: 10.1068/a43223)
- * 36. Dugundji ER, Scott DM, Carrasco JA, **Páez A** (2012) *Urban mobility and social-spatial contact*, Environment and Planning A, 44 (5) 1011-1015 (doi:10.1068/a45183)
- * 37. Mejia-Dorantes L, **Páez A**, Vasallo JM (2012) *Transportation infrastructure impacts on firm location: The effect of a new metro line in the suburbs of Madrid*, Journal of Transport Geography, 22 236-250 (doi:10.1016/j.jtrangeo.2011.09.006)
- * 38. Whalen K, **Páez A**, Bhat CR, Moniruzzaman M, Paleti R (2012) *T-communities and sense of community in a university town: Evidence from a student sample using a spatial ordered-response model*, Urban Studies, 49 (6) 1357-1376 (doi:10.1177/0042098011411942)
- * 39. Mercado RG, **Páez A**, Farber S, Roorda M, Morency C (2012) *Explaining transport mode use of low-income persons for journey to work in urban areas: A case study in Ontario and Quebec*, Transportmetrica, 8 (3) 157-180 (doi: 10.1080/18128602.2010.53941)
- * 40. Barufi AM, Haddad E, **Páez A** (2012) *Infant Mortality in Brazil, 1980-2000: A spatial panel data analysis*, BMC Public Health, 12 (181) (doi:10.1186/1471-2458-12-181)
- * 41. Farber S, **Páez A**, Morency C (2012) *Activity Spaces and the Measurement of Exposure and Clustering: A Case Study of Linguistic Groups in Montreal*, Environment and Planning A, 44 (2) 315-332 (doi:10.1068/a44203)
- * 42. Ruiz M, López F, **Páez A** (2012) *Comparison of Thematic Maps based on Symbolic Entropy*, International Journal of Geographical Information Science, 26 (3) 413-439 (doi:10.1080/13658816.2011.586327)
- * 43. Cimaroli K, **Páez A**, Newbold KB, Heddle NM (2012) *Individual and contextual determinants of blood donation frequency with a focus on clinic accessibility: A case study of Toronto, Canada*, Health and Place, 18 (2) 424-433 (doi: 10.1016/j.healthplace.2011.12.005)
- * 44. Drackley A, Newbold KB, **Páez A**, Heddle NM (2012) *Forecasting Ontario's Blood Supply and Demand*, Transfusion, 52 (2) 366-374 (doi: 10.1111/j.1537-2995.2011.03280.x)
- * 45. **Páez A**, Ruiz M, López F, Logan JR (2012) *Measuring Ethnic Clustering and Exposure with the Q statistic: An Exploratory Analysis of Irish, Germans, and Yankees in 1880 Newark*, Annals of the Association of American Geographers, 102 (1) 84-102 (doi: 10.1080/00045608.2011.620502)

46. López F, **Páez A** (2011) *Distribution-free inference for Q(m) based on permutational bootstrapping: An application to the spatial co-location pattern of firms in Madrid*, Estadística Española, 53 (177) 299-320
- * 47. Mejía Dorantes L, **Páez A**, Vasallo JM (2011) *Analysis of house prices to assess the economic impacts of new public transport infrastructure: Madrid Metro Line 12*, Transportation Research Record, 2245 131-139
- * 48. **Páez A**, Farber S, Wheeler D (2011) *A simulation-based study of geographically weighted regression as a method for investigating spatially varying relationships*, Environment and Planning A, 43 (12) 2992-3010
- * 49. Schettini D, Azzoni CR, **Páez A** (2011) *Neighborhood and Efficiency in Manufacturing in Brazilian Regions: a Spatial Markov Chain Analysis*, International Regional Science Review, 34 (4) 397-418 (doi: 10.1177/016001761140314)
- * 50. **Páez A**, Trépanier M, Morency C (2011) *Geodemographic analysis and the identification of potential business partnerships based on transit smart cards*, Transportation Research A-Policy and Practice, 45 (7) 640-652 (doi: 10.1016/j.tra.2011.04.002)
- * 51. Farber S, **Páez A** (2011) *Running to stay in place: the time-use implications of automobile oriented land-use and travel*, Journal of Transport Geography, 19 (4) 782-793 (doi:10.1016/j.jtrangeo.2010.09.00)
- * 52. Wilton R, **Páez A**, Scott DM (2011) *Why do you care what other people think? A qualitative investigation of social contact and telecommuting*, Transportation Research A, 45 (4) 269-282 (doi: 10.1016/j.tra.2011.01.002)
- * 53. Dugundji ER, **Páez A**, Arentze TA, Walker JL (2011) *Transportation and social interactions*, Transportation Research A, 45 (4) 239-247 (doi:10.1016/j.tra.2011.01.001)
- * 54. Farber S, **Páez A**, Mercado RG, Roorda M, Morency C (2011) *A time-use investigation of shopping participation in three Canadian cities: Is there evidence of social exclusion?* Transportation, 38 (1) 17-44 (doi: 10.1007/s11116-010-9282-0)
- * 55. Morency C, **Páez A**, Roorda M, Mercado RG, Farber S (2011) *Distance Traveled in Three Canadian Cities: Spatial Analysis from the Perspective of Vulnerable Population Segments*, Journal of Transport Geography, 19 (1) 39-50 (doi:10.1016/j.jtrangeo.2009.09.013)
- * 56. **Páez A**, Mercado RG, Farber S, Morency C, Roorda M (2010) *Accessibility to health care facilities in Montreal Island: An application of relative accessibility indicators from the perspective of senior and non-senior residents*, International Journal of Health Geographics, 9 (51)
- * 57. Farber S, **Páez A** (2010) *Employment status and commute distance of Canadians with disabilities*, Transportation, 37 (6) 931-952 (doi:10.1007/s11116-010-9268-y)
- * 58. Ruiz M, López F, **Páez A** (2010) *Testing for Spatial Association of Qualitative Data Using Symbolic Dynamics*, Journal of Geographical Systems, 12 (3) 281-309 (doi:10.1007/s10109-009-0100-1)

- * 59. Mercado RG, Páez A, Newbold KB (2010) *Transport Policy and the Provision of Mobility Options in an Aging Society: A Case Study of Ontario, Canada*, Journal of Transport Geography, 18 (5) 649-661 (doi:10.1016/j.jtrangeo.2010.03.017)
- * 60. Schwanen T, Páez A (2010) *The mobility of older people – an introduction*, Journal of Transport Geography, 18 (5) 591-595 (doi:10.1016/j.jtrangeo.2010.06.001)
- * 61. Páez A, Whalen K (2010) *Enjoyment of commute: A comparison of different modes*, Transportation Research A-Policy and Practice, 44 (7) 537-549
- * 62. Páez A, Mercado RG, Farber S, Morency C, Roorda M (2010) *Relative accessibility deprivation indicators for urban settings: Definitions and application to food deserts in Montreal*, Urban Studies, 47 (7) 1415-1438 (doi:10.1177/0042098009353626)
- * 63. Roorda M, Páez A, Morency C, Mercado RG, Farber S (2010) *Trip Generation of Vulnerable Populations in Three Canadian Cities: A Spatial Ordered Probit Approach*, Transportation, 37 (3) 525-548 (doi:10.1007/s11116-010-9263-3)
- * 64. Farber S, Páez A (2010) *Spatial Analysis in Canada: Introduction*, The Canadian Geographer, 54 (1) 1-3
- * 65. Ribeiro A, Antunes A, Páez A (2010) *Road accessibility and economic development: Empirical evidence from Portugal based on spatial econometric models*, Journal of Transport Geography, 18 (1) 125-132 (doi:10.1016/j.jtrangeo.2009.03.002)
- * 66. Páez A (2009) *Recent research in spatial real estate analysis*, Journal of Geographical Systems, 11 (4) 311-316 (doi: 10.1007/s10109-009-0103-y)
- * 67. Montero JM, Larraz B, Páez A (2009) *Estimating Commercial Property Values: An Application of Cokriging with Housing Prices as Ancillary Information*, Journal of Geographical Systems, 11 (4) 407-425 (doi:10.1007/s10109-009-0095-7)
- * 68. Saberton PJ, Páez A, Newbold KB, Heddle NM (2009) *Geographical variations in the correlates of blood donor turnout rates: An investigation of Canadian metropolitan areas*, International Journal of Health Geographics, 8 (56) (doi:10.1186/1476-072X-8-56)
- * 69. Páez A (2009) *Spatial analysis of economic systems and land use change*, Papers in Regional Science, 88 (2) 251-258
- * 70. Maoh HF, Kanaroglou PS, Scott DM, Páez A, Newbold KB (2009) *IMPACT: An integrated GIS-based model for simulating the consequences of demographic change and population aging on transportation*, Computers, Environment, and Urban Systems 33(3) 200-210
- * 71. Farber S, Páez A (2009) *My car, my friends, and me: A preliminary analysis of automobility and social activities*, Journal of Transport Geography, 17 (3) 216-225 (doi:10.1016/j.jtrangeo.2008.07.008)
- * 72. Kanaroglou P, Maoh HF, Newbold KB, Scott, DM, Páez A (2009) *A demographic model for small area population projections: an application to the Census Metropolitan Area (CMA) of Hamilton in Ontario, Canada*, Environment and Planning A, 41 (4) 964-979

- * 73. Farber S, **Páez A**, Volz E (2009) *Topology and dependency tests in spatial and network autoregressive models*, Geographical Analysis 41 (2) 158-180
- * 74. Scott DM, Newbold KB, Spinney JEL, Mercado RG, **Páez A**, Kanaroglou PS (2009) *New Insights into Senior Travel Behavior: The Canadian Experience*, Growth and Change, 40 (1) 140-168
- * 75. Mercado RG, **Páez A** (2009) *Determinants of Distance Traveled with a Focus on the Elderly: A Multilevel Analysis in the Hamilton CMA, Canada*, Journal of Transport Geography, 17 (1) 65-76 (doi: 10.1016/j.jtrangeo.2008.04.012)
- * 76. Kanaroglou P, Mercado R, Maoh HF, **Páez A**, Scott, DM, Newbold KB (2008) *A Policy Simulation Framework for Analyzing Elderly Mobility Issues with Application Using the IMPACT Decision Support System*, Transportation Research Record, 2070
62-71
- * 77. Dugundji E, **Páez A**, Arentze T (2008) *Social Networks, Choices, Mobility and Travel*, Environment and Planning B, 35 (6) 956-960
- * 78. **Páez A**, Scott DM, Volz E (2008) *A discrete choice approach to modeling social influence on individual decision making*, Environment and Planning B, 35 (6) 1055-1069
- * 79. **Páez A**, Scott DM, Volz E (2008) *Weight matrices for social influence analysis: An investigation of measurement errors and their effect on model identification and estimation quality*, Social Networks 30 (4) 309-317 (doi:10.1016/j.socnet.2008.05.001)
- * 80. **Páez A**, Long F, Farber S (2008) *Moving Window Approaches for Hedonic Price Estimation: An Empirical Comparison of Modeling Techniques*, Urban Studies 45 (8) 1565-1581
- 81. Mercado R, **Páez A**, Scott, DM, Kanaroglou P, Newbold KB (2007) *Transport Policy in Aging Societies: An International Comparison and Implications for Canada*, The Open Transportation Journal 1 (1) 371-396
- * 82. Farber S, **Páez A** (2007) *A Systematic Investigation of Cross-Validation in GWR Model Estimation: Empirical Analysis and Monte Carlo Simulations*, Journal of Geographical System, 9 (4) 1-26
- * 83. **Páez A**, Scott DM (2007) *Social influence on travel behavior: a simulation example of the decision to telecommute*, Environment and Planning A, 39 (3) 647-665
- * 84. **Páez A** (2007) *Spatial Perspectives on Urban Systems: Developments and Directions*, Journal of Geographical Systems, 9 (1) 1-6
- * 85. **Páez A**, Scott DM, Potoglou D, Kanaroglou PS, Newbold KB (2007) *Elderly Mobility: Demographic and Spatial Analysis of Trip Making in the Hamilton CMA*, Urban Studies 44 (1) 123-146
- * 86. Vichiensan V, **Páez A**, Kawai K, Miyamoto K (2006) *Non-Stationary Spatial Interpolation Method for Urban Model Development*, Transportation Research Record (1977) 103-111

- * 87. **Páez A** (2006) *Exploring contextual variations in land use and transport analysis using a probit model with geographical weights*, Journal of Transport Geography 14 (3) 167-176
- * 88. Newbold KB, Scott, DM, Spinney J, Kanaroglou P, **Páez A** (2005) *Travel Behavior within Canada's Elderly Population: A Cohort Analysis*, Journal of Transport Geography, 13 (4) 340-351
- 89. Mercado RG, **Páez A** (2005) *Context and Prospects for Integrated Urban Models for Metropolitan Policy Analysis and Planning in Developing Countries: The Case of Metro Manila*, Journal of the Eastern Asia Society for Transportation Studies, 6 (270) 3744-3759
- * 90. **Páez A** (2005) *Local Analysis of Spatial Relationships: A Comparison of GWR and the Expansion Method*, Lecture Notes in Computer Science, 3482, pp. 162-172 (doi: 10.1007/11424857_18)
- * 91. Miyamoto K, Vichiensan V, Shimomura N, **Páez A** (2004) *Discrete Choice Model with Structuralized Spatial Effects for Location Analysis*, Transportation Research Record, Travel Demand and Land Use (1898) 183-190
- 92. **Páez A**, Scott DM (2004) *Spatial Statistics for Urban Analysis: A Review of Techniques with Examples*, GeoJournal 61 (1) 53-67
- * 93. **Páez A** (2004) *Network Accessibility and the Spatial Distribution of Economic Activity in Eastern Asia*, Urban Studies 41 (11) 2211-2230
- * 94. **Páez A** (2004) *Anisotropic variance functions in geographically weighted regression models*, Geographical Analysis 36 (4) 299-314
- 95. **Páez A**, Black J, Suthanaya P (2003) *A Spatial Analysis of Zonal Journey-to-Work Preference Functions in Sydney, 1961-1996*, Journal of the Eastern Asia Society for Transportation Studies, 5, pp. 2743-2758
- * 96. Black J, **Páez A**, Suthanaya P, (2002), *Sustainable Urban Transportation: Performance Indicators and Some Analytical Approaches*, ASCE Journal of Urban Planning and Development, 128 (4) 184-209
- * 97. **Páez A**, Uchida T, Miyamoto K (2002) *A general framework for estimation and inference of geographically weighted regression models: 2. Spatial association and model specification tests*, Environment and Planning A, 34 (5) 883-904
- * 98. **Páez A**, Uchida T, Miyamoto K (2002) *A general framework for estimation and inference of geographically weighted regression models: 1. Location-specific kernel bandwidths and a test for locational heterogeneity*, Environment and Planning A, 34 (4) 733-754
- 99. **Páez A**, Suzuki J (2001) *Transportation Impacts on Land Use Change: an Assessment Considering Neighborhood Effects*, Journal of the Eastern Asia Society for Transportation Studies, 4 (6) 47-59
- 100. **Páez A**, Miyamoto K, Yamada E, Kitazume K (2001) *Transportation Network and Accessibility Analysis in Eastern Asia based on a Geographical Information System*, Journal of the Eastern Asia Society for Transportation Studies, 4 (6) 211-225

- * 101. **Páez A**, Uchida T, Miyamoto K (2001) *Spatial Association and Heterogeneity Issues in Land Price Models*, Urban Studies, 38 (9) 1493-1508
102. **Páez A**, Uchida T, Miyamoto K (1999) *A Spatial Analysis of External Economies and its Association with Transportation Infrastructure: The Case of Sendai City*, Journal of the Eastern Asia Society for Transportation Studies, 3 (4) 149-164
103. **Páez A**, Uchida T, Miyamoto K (1998) *Urbanization and the Urban Heat Island Effect from a Spatial Descriptive Approach*, Papers of the 33rd Annual Meeting of the Japanese Institute of City Planning, 67-72
104. Miyamoto K, Sugiki N, Uchida T, **Páez A** (1997) *A GIS Based Land-use Model Dealing with Building Types by Small Unit of Land in a Metropolitan Area*, Journal of Asia Society for Transportation Studies, 2 (6) 413 – 429