



# Antonio Páez

## Professor

July 2022

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## About me

This is me.

### About me

- I trained in civil engineering before being adopted into geography.
- My areas of interest include spatial analysis, spatial statistics, transportation, travel behavior, cities.
- Also, too, mathematics, computer languages, science fiction, poetry, and memes.
- I have been known to look professorial on occasion.
- At this rate my only hope of being recognized is as the most promising oldest researcher in my discipline.

### Education

1997-2000	PhD	Tohoku University
	Sendai, Japan	
	• Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects	
1995-1997	M.Sc.	Tohoku University
	Sendai, Japan	
	• Thesis Title: Evaluation of Environmental Changes Caused by Urbanization	
1989-1993	B.Eng.	Instituto Tecnológico y de Estudios Superiores de Monterrey
	Monterrey, Mexico	

### Current Status at McMaster

Full Professor in the School of Earth, Environment and Society since 2014. Tenured since 2007.

### Employment History

#### Academic

July 2014-present	Professor	School of Earth, Society and Environment, McMaster University
July 2007-June 2014	Associate Professor	School of Earth, Environment and Society, McMaster University
July 2002-June 2007	Assistant Professor	School of Geography and Earth Sciences, McMaster University
October 2000-March 2002	Research Fellow-Lecturer	Center for Northeast Asian Studies, Tohoku University
January 1993-December 1993	Instructor-Topographical Survey Laboratory	Dept. of Civil Engineering, Instituto Tecnológico y de Estudios Superiores de Monterrey
		Monterrey, Mexico

#### Industry

Surveyor and construction site supervisor (August 1993 – March 1995) Topographical survey projects in Nuevo León, Mexico, sponsored by various Municipal Public Works Departments (Monterrey, Guadalupe, Santa Catarina), and by Mercedes-Benz. These projects involved in-field data collection and computer aided design. Construction site supervision.

## Editor-in-Chief:

Journal of Geographical Systems (January, 2008-present)

## Associate Editor:

Papers in Regional Science (November, 2016-August, 2019)

## Editorial Board Membership

January 2012-December 2017Computers, Environment, and Urban Systems

April 2014-March 2017 Decision Support Systems

January 2014-present Economic and Business Letters

January 2010-December 2017Environment and Planning A

2018-present Geographical Analysis

2015-present Ingeniería de Transporte

January 2019-present International Journal of Geographic Information Science

2018-present Journal of Transport Geography

January, 2008-May, 2012 Open Environmental Journal

January, 2008-May, 2012 Open Geography Journal

January, 2008-May, 2012 Open Urban Studies Journal

January 2015-present Papers in Regional Science

January 2012-present Transportation

## Journal Referee

Number of Total Lifetime Reviews

306

Number of Reviews in 2022

5

Reviews-to-Publications per Year

Fig. 1 is a summary of journal reviews-to-publications per year showing contributions to peer-review relative to demands on peer-review.

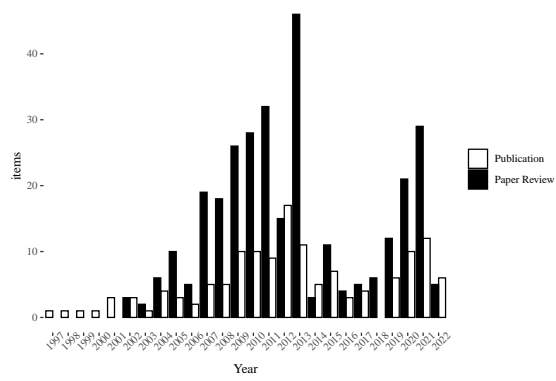


Figure 1: Reviews-to-publications by year

#### Reviews per journal

2	Ageing and Society
4	Annals of the Association of American Geographers
1	Applied Geography
2	Applied Spatial Analysis and Policy
1	Automotives
1	Canadian Journal of Regional Science
1	Cartography and Geographic Information Science
1	Case Studies in Transport Policy
1	Computational and Mathematical Organization Theory
1	Computers and Geosciences
14	Computers, Environment and Urban Systems
1	Decision Support Systems
1	Ecological Applications
1	Economia Aplicada
1	Economic Modelling
15	Environment and Planning A
5	Environment and Planning B
1	Environmental Modelling & Assessment
4	Findings
1	Geo-Spatial Information Science
25	Geographical Analysis
7	Health and Place
1	Health Policy and Technology
1	IEEE Access

## Areas of Interest

Spatial data analysis and statistics; transportation modeling; travel behavior; health geography; Geographic Information Systems.

## Honours

### Visiting Professorships

2008	Visiting Professorship Madrid, Spain	Universidad Politécnica de Madrid
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### Scholarships

October, 1997-September, 2000	Graduate Scholarship (Monbusho) Japan	Japanese Ministry of Science, Education and Culture
April, 1995-September, 1997	Graduate Scholarship (Monbusho) Japan	Japanese Ministry of Science, Education and Culture

### Scientific Awards

October, 2002	Best Presentation Award 57th Annual Conference of the JSCE • K. Kawai, K. Miyamoto, V. Vichiensan, and Antonio Páez	Japan Society of Civil Engineers
2010	Meredith F. Burrill Award for work of exceptional merit and quality that lies at or near the intersection of basic research in geography on the one hand, and practical applications or policy implications on the other • Antonio Páez, Ruben G. Mercado, Steven Farber, Catherine Morency, and Matthew Roorda	Association of American Geographers

### Trainee Honours

2021	Transportation Geography Specialty Group of the Association of American Geographers Winner, Master's Competition	Elise Desjardins
2016	International Transportation Forum Young Researcher Award	Md Moniruzzaman
2014	Canadian Institutes for Health Research, Institute of Aging Age+ Prize	Md Moniruzzaman
2013	World Conference of Transport Research Society Ph.D. Prestige Grant	Md Moniruzzaman
2012	Transportation Geography Specialty Group of the Association of American Geographers Winner, Master's Competition	Md Moniruzzaman
2011	Transportation Geography Specialty Group of the Association of American Geographers Honorable Mention, Ph.D. Competition	Steven Farber

### Other

2022	Web of Science • Páez A, Scott DM, Morency C (2012) Measuring accessibility: Positive and normative aspects of various accessibility indicators, Journal of Transport Geography. 25 141-153 (doi: 10.1016/j.jtrangeo.2012.03.016) • Páez A, Lopez FA, Menezes T, Cavalcanti R, Galdino da Rocha Pitta M (2021) A spatio-temporal analysis of the environmental correlates of COVID-19 incidence in Spain, Geographical Analysis, 53 (3) 397-421 (doi:10.1111/gean.12241)	Highly Cited Badge
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## Supervisorships

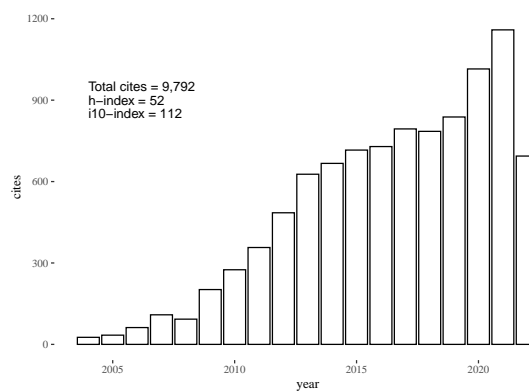


Figure 2: Citations per year according to Google Scholar

Undergraduate

Diploma and Certificate

Master

Ph.D.

Supervisory Committees

Examination Committees

Research and Other Funding

Research Impact

Fig. 2 is a summary of research impact according to Google Scholar.

Lifetime Publications

Peer-Reviewed

Edited Books

1. Franklin, R. S., Leeuwen, E. S. van, & Paez, A. (2018). *Population loss: The role of transportation and other issues*. Academic Press.
2. Kanaroglou, P., Delmelle, E., & Páez, A. (2015). *Spatial analysis in health geography*. Ashgate Publishing, Ltd.
3. Páez, A., Gallo, J., Buliung, R. N., & Dall'erba, S. (2009). *Progress in spatial analysis: Methods and applications*. Springer Science & Business Media.

Book Chapters

Journal Articles (Published)

1. Whalen, K., & Paez, A. (2022). Reliability of the reflective learning framework for assessing higher-order thinking in geography and sustainability courses [Journal Article]. *Journal of Geography*, 121(1), 18–33. <https://doi.org/10.1080/00221341.2021.2003848>
2. Sears, S., Moataz, M., Ferguson, M., Razavi, S., & Páez, A. (2022). Perceived barriers to the movement of goods in Canada: A grounded theory investigation [Journal Article]. *Transportation Research Part A: Policy and Practice*, 162, 27–45. <https://doi.org/https://doi.org/10.1016/j.tra.2022.05.011>
3. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Páez, A. (2022). Correlates of bicycling trip flows in Hamilton, Ontario: Fastest, quietest, or balanced routes? [Journal Article]. *Transportation*, 49(3), 867–895. <https://doi.org/10.1007/s11116-021-10197-1>
4. Desjardins, E., Higgins, C. D., & Páez, A. (2022). Examining equity in accessibility to bike share: A balanced floating catchment area approach. *Transportation Research Part D: Transport and Environment*, 102, 103091. <https://doi.org/https://doi.org/10.1016/j.trd.2021.103091>

5. Demitiry, M., Higgins, C. D., Páez, A., & Miller, E. J. (2022). Accessibility to primary care physicians: Comparing floating catchments with a utility-based approach. *Journal of Transport Geography*, 101, 103356. <https://doi.org/https://doi.org/10.1016/j.jtrangeo.2022.103356>
6. Brown, M. J., Scott, D. M., & Páez, A. (2022). A spatial modeling approach to estimating bike share traffic volume from GPS data [Journal Article]. *Sustainable Cities and Society*, 76, 103401. <https://doi.org/10.1016/j.scs.2021.103401>
7. Whalen, K., & Paez, A. (2021). Student perceptions of reflection and the acquisition of higher-order thinking skills in a university sustainability course [Journal Article]. *Journal of Geography in Higher Education*, 45(1), 108–127. <https://doi.org/10.1080/03098265.2020.1804843>
8. Pereira, R. H. M., Braga, C. K. V., Servo, L. M., Serra, B., Amaral, P., Gouveia, N., & Paez, A. (2021). Geographic access to COVID-19 healthcare in brazil using a balanced float catchment area approach [Journal Article]. *Social Science & Medicine*, 273. <https://doi.org/10.1016/j.socscimed.2021.113773>
9. Paez, A., Lopez, F. A., Menezes, T., Cavalcanti, R., & Rocha Pitta, M. G. da. (2021). A spatio-temporal analysis of the environmental correlates of COVID-19 incidence in spain [Journal Article]. *Geographical Analysis*, 53(3), 397–421. <https://doi.org/10.1111/gean.12241>
10. Páez, A., & Higgins, C. D. (2021). An examination of the accessibility implications of a pilot COVID-19 vaccination program in hamilton, ontario [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.24082>
11. Paez, A. (2021). Open spatial sciences: An introduction [Journal Article]. *Journal of Geographical Systems*, 23(4), 467–476. <https://doi.org/10.1007/s10109-021-00364-4>
12. Lira, B. M., & Paez, A. (2021). Do drivers dream of walking? An investigation of travel mode dissonance from the perspective of affective values [Journal Article]. *Journal of Transport & Health*, 20. <https://doi.org/10.1016/j.jth.2021.101015>
13. Higgins, C. D., Paez, A., Kim, G., & Wang, J. (2021). Changes in accessibility to emergency and community food services during COVID-19 and implications for low income populations in hamilton, ontario [Journal Article]. *Social Science & Medicine*, 291. <https://doi.org/10.1016/j.socscimed.2021.114442>
14. Eldeeb, G., Mohamed, M., & Paez, A. (2021). Built for active travel? Investigating the contextual effects of the built environment on transportation mode choice [Journal Article]. *Journal of Transport Geography*, 96. <https://doi.org/10.1016/j.jtrangeo.2021.103158>
15. Doulabi, S., Hassan, H. M., Ferguson, M. R., Razavi, S., & Paez, A. (2021). Exploring the determinants of older adults' susceptibility to pedestrians' incidents [Journal Article]. *Accident Analysis and Prevention*, 155. <https://doi.org/10.1016/j.aap.2021.106100>
16. Desjardins, E., Higgins, C. D., Scott, D. M., Apatu, E., & Paez, A. (2021). Using environmental audits and photo-journeys to compare objective attributes and bicyclists' perceptions of bicycle routes [Journal Article]. *Journal of Transport & Health*, 22. <https://doi.org/10.1016/j.jth.2021.101092>
17. Desjardins, E., Apatu, E., Razavi, S. D., Higgins, C. D., Scott, D. M., & Paez, A. (2021). "Going through a little bit of growing pains": A qualitative study of the factors that influence the route choice of regular bicyclists in a developing cycling city [Journal Article]. *Transportation Research Part F-Traffic Psychology and Behaviour*, 81, 431–444. <https://doi.org/10.1016/j.trf.2021.06.005>
18. de Arruda, R. G., de Menezes, T. A., dos Santos, J. M. A., Paez, A., & Lopes, F. (2021). The effect of politician denialist approach on COVID-19 cases and deaths [Journal Article]. *Economia*, 22(3), 214–224. <https://doi.org/https://doi.org/10.1016/j.econ.2021.11.007>
19. Victoriano, R., Paez, A., & Carrasco, J.-A. (2020). Time, space, money, and social interaction: Using machine learning to classify people's mobility strategies through four key dimensions [Journal Article]. *Travel Behaviour and Society*, 20, 1–11. <https://doi.org/10.1016/j.tbs.2020.02.004>

20. Sarlas, G., Paez, A., & Axhausen, K. W. (2020). Betweenness-accessibility: Estimating impacts of accessibility on networks [Journal Article]. *Journal of Transport Geography*, 84. <https://doi.org/10.1016/j.jtrangeo.2020.102680>
21. Romero, F., Gomez, J., Paez, A., & Manuel Vassallo, J. (2020). Toll roads vs. Public transportation: A study on the acceptance of congestion-calming measures in madrid [Journal Article]. *Transportation Research Part a-Policy and Practice*, 142, 319–342. <https://doi.org/10.1016/j.tra.2020.11.001>
22. Paez, A., Hassan, H., Ferguson, M., & Razavi, S. (2020). A systematic assessment of the use of opponent variables, data subsetting and hierarchical specification in two-party crash severity analysis [Journal Article]. *Accident Analysis and Prevention*, 144. <https://doi.org/10.1016/j.aap.2020.105666>
23. Paez, A., Anjum, Z., Dickson-Anderson, S. E., Schuster-Wallace, C. J., Martin Ramos, B., & Higgins, C. D. (2020). Comparing distance, time, and metabolic energy cost functions for walking accessibility in infrastructure-poor regions [Journal Article]. *Journal of Transport Geography*, 82. <https://doi.org/10.1016/j.jtrangeo.2019.102564>
24. Páez, A. (2020). Using google community mobility reports to investigate the growth of COVID-19 in the united states [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.12976>
25. Jamal, S., & Páez, A. (2020). Changes in trip-making frequency by mode during the COVID-19 emergency in bangladesh [Journal Article]. *Findings*. <https://doi.org/10.32866/001c.17977>
26. Jamal, S., Mohiuddin, H., & Paez, A. (2020). How do the perceptions of neighborhood conditions impact active transportation? A study in rajshahi, bangladesh [Journal Article]. *Transportation Research Part D-Transport and Environment*, 87. <https://doi.org/10.1016/j.trd.2020.102525>
27. He, L., Paez, A., Jiao, J., An, P., Lu, C., Mao, W., & Long, D. (2020). Ambient population and larceny-theft: A spatial analysis using mobile phone data [Journal Article]. *Isprs International Journal of Geo-Information*, 9(6). <https://doi.org/10.3390/ijgi9060342>
28. Cupido, K., Jevtic, P., & Paez, A. (2020). Spatial patterns of mortality in the united states: A spatial filtering approach [Journal Article]. *Insurance Mathematics & Economics*, 95, 28–38. <https://doi.org/10.1016/j.insmatheco.2020.08.003>
29. Whalen, K., & Paez, A. (2019). Development of a new framework to guide, assess, and evaluate student reflections in a university sustainability course [Journal Article]. *Teaching & Learning Inquiry-the Issotl Journal*, 7(1), 55–77. <https://doi.org/10.20343/teachlearningqu.7.1.5>
30. Paez, A., Lopez, F., Ruiz, M., & Camacho, M. (2019). Inducing non-orthogonal and non-linear decision boundaries in decision trees via interactive basis functions [Journal Article]. *Expert Systems with Applications*, 122, 183–206. <https://doi.org/10.1016/j.eswa.2018.12.041>
31. Paez, A., Higgins, C. D., & Vivona, S. F. (2019). Demand and level of service inflation in floating catchment area (FCA) methods [Journal Article]. *Plos One*, 14(6). <https://doi.org/10.1371/journal.pone.0218773>
32. Paez, A. (2019). Using spatial filters and exploratory data analysis to enhance regression models of spatial data [Journal Article]. *Geographical Analysis*, 51(3), 314–338. <https://doi.org/10.1111/gean.12180>
33. Martin, B., & Paez, A. (2019). Individual and geographic variations in the propensity to travel by active modes in vitoria-gasteiz, spain [Journal Article]. *Journal of Transport Geography*, 76, 103–113. <https://doi.org/10.1016/j.jtrangeo.2019.03.005>
34. Arranz-Lopez, A., Soria-Lara, J. A., Witlox, F., & Paez, A. (2019). Measuring relative non-motorized accessibility to retail activities [Journal Article]. *International Journal of Sustainable Transportation*, 13(9), 639–651. <https://doi.org/10.1080/15568318.2018.1498563>
35. Lopez, F. A., Paez, A., Carrasco, J. A., & Ruminot, N. A. (2017). Vulnerability of nodes under controlled network topology and flow autocorrelation conditions [Journal Article]. *Journal of Transport Geography*, 59, 77–87. <https://doi.org/10.1016/j.jtrangeo.2017.02.002>

36. Lopez, F. A., & Paez, A. (2017). Spatial clustering of high-tech manufacturing and knowledge-intensive service firms in the greater toronto area [Journal Article]. *Canadian Geographer-Geographe Canadien*, 61(2), 240–252. <https://doi.org/10.1111/cag.12326>
37. He, L., Paez, A., & Liu, D. (2017). Built environment and violent crime: An environmental audit approach using google street view [Journal Article]. *Computers Environment and Urban Systems*, 66, 83–95. <https://doi.org/10.1016/j.compenvurbsys.2017.08.001>
38. He, L., Paez, A., & Liu, D. (2017). Persistence of crime hot spots: An ordered probit analysis [Journal Article]. *Geographical Analysis*, 49(1), 3–22. <https://doi.org/10.1111/gean.12107>
39. Rojas, C., Paez, A., Barbosa, O., & Carrasco, J. (2016). Accessibility to urban green spaces in chilean cities using adaptive thresholds [Journal Article]. *Journal of Transport Geography*, 57, 227–240. <https://doi.org/10.1016/j.jtrangeo.2016.10.012>
40. Moniruzzaman, M., & Paez, A. (2016). An investigation of the attributes of walkable environments from the perspective of seniors in montreal [Journal Article]. *Journal of Transport Geography*, 51, 85–96. <https://doi.org/10.1016/j.jtrangeo.2015.12.001>
41. Lopez, F. A., Matilla-Garcia, M., Mur, J., Paez, A., & Ruiz, M. (2016). A note on the SG(m) test [Journal Article]. *Journal of Geographical Systems*, 18(1), 87–96. <https://doi.org/10.1007/s10109-015-0221-7>
42. Roofigari-Esfahan, N., Paez, A., & Razavi, S. N. (2015). Location-aware scheduling and control of linear projects: Introducing space-time float prisms [Journal Article]. *Journal of Construction Engineering and Management*, 141(1). [https://doi.org/10.1061/\(asce\)co.1943-7862.0000916](https://doi.org/10.1061/(asce)co.1943-7862.0000916)
43. Neto, R. S., Duarte, G., & Paez, A. (2015). Gender and commuting time in sao paulo metropolitan region [Journal Article]. *Urban Studies*, 52(2), 298–313. <https://doi.org/10.1177/0042098014528392>
44. Moniruzzaman, M., Paez, A., Scott, D., & Morency, C. (2015). Trip generation of seniors and the geography of walking in montreal [Journal Article]. *Environment and Planning a-Economy and Space*, 47(4), 957–976. <https://doi.org/10.1068/a130070p>
45. Moniruzzaman, M., Chudyk, A., Paez, A., Winters, M., Sims-Gould, J., & McKay, H. (2015). Travel behavior of low income older adults and implementation of an accessibility calculator [Journal Article]. *Journal of Transport & Health*, 2(2), 257–268. <https://doi.org/10.1016/j.jth.2015.02.006>
46. He, L., Paez, A., Liu, D., & Jiang, S. (2015). Temporal stability of model parameters in crime rate analysis: An empirical examination [Journal Article]. *Applied Geography*, 58, 141–152. <https://doi.org/10.1016/j.apgeog.2015.02.002>
47. Goetzke, F., Gerike, R., Paez, A., & Dugundji, E. (2015). Social interactions in transportation: Analyzing groups and spatial networks [Journal Article]. *Transportation*, 42(5), 723–731. <https://doi.org/10.1007/s11116-015-9643-9>
48. Farber, S., Ruiz Marin, M., & Paez, A. (2015). Testing for spatial independence using similarity relations [Journal Article]. *Geographical Analysis*, 47(2), 97–120. <https://doi.org/10.1111/gean.12044>
49. Wheeler, D. C., Paez, A., Spinney, J., & Waller, L. A. (2014). A bayesian approach to hedonic price analysis [Journal Article]. *Papers in Regional Science*, 93(3), 663–683. <https://doi.org/10.1111/pirs.12003>
50. Reyes, M., Paez, A., & Morency, C. (2014). Walking accessibility to urban parks by children: A case study of montreal [Journal Article]. *Landscape and Urban Planning*, 125, 38–47. <https://doi.org/10.1016/j.landurbplan.2014.02.002>
51. Pouliou, T., Elliott, S. J., Paez, A., & Newbold, K. B. (2014). Building obesity in canada: Understanding the individual-and neighbourhood-level determinants using a multi-level approach [Journal Article]. *Geospatial Health*, 9(1), 45–55. <https://doi.org/10.4081/gh.2014.5>



52. Moniruzzaman, M., Paez, A., & Morency, C. (2014). Compliance potential mapping: A tool to assess potential contributions of walking towards physical activity guidelines [Journal Article]. *Bmc Public Health*, 14. <https://doi.org/10.1186/1471-2458-14-511>
53. Farber, S., Bartholomew, K., Li, X., Paez, A., & Habib, K. M. N. (2014). Assessing social equity in distance based transit fares using a model of travel behavior [Journal Article]. *Transportation Research Part a-Policy and Practice*, 67, 291–303. <https://doi.org/10.1016/j.tra.2014.07.013>
54. Whalen, K. E., Paez, A., & Carrasco, J. A. (2013). Mode choice of university students commuting to school and the role of active travel [Journal Article]. *Journal of Transport Geography*, 31, 132–142. <https://doi.org/10.1016/j.jtrangeo.2013.06.008>
55. Silva, R. R. da, & Páez, A. (2013). O isolamento geoeconômico dos municípios da região norte do brasil: Uma proposta para quantificá-lo. *Revista Brasileira de Estudos Regionais e Urbanos*, 7(1), 1–18.
56. Scott, D. M., Dugundji, E. R., & Paez, A. (2013). The social dimension of activity, travel and location choice behavior [Journal Article]. *Journal of Transport Geography*, 31, 212–215. <https://doi.org/10.1016/j.jtrangeo.2013.06.009>
57. Paez, A., Moniruzzaman, M., Bourbonnais, P.-L., & Morency, C. (2013). Developing a web-based accessibility calculator prototype for the greater montreal area [Journal Article]. *Transportation Research Part a-Policy and Practice*, 58, 103–115. <https://doi.org/10.1016/j.tra.2013.10.020>
58. Paez, A., Lopez, F. A., Ruiz, M., & Morency, C. (2013). Development of an indicator to assess the spatial fit of discrete choice models [Journal Article]. *Transportation Research Part B-Methodological*, 56, 217–233. <https://doi.org/10.1016/j.trb.2013.08.009>
59. Paez, A., Farber, S., Mercado, R., Roorda, M., & Morency, C. (2013). Jobs and the single parent: An analysis of accessibility to employment in toronto [Journal Article]. *Urban Geography*, 34(6), 815–842. <https://doi.org/10.1080/02723638.2013.778600>
60. Paez, A., Esita, J., Newbold, K. B., Heddle, N. M., & Blake, J. T. (2013). Exploring resource allocation and alternate clinic accessibility landscapes for improved blood donor turnout [Journal Article]. *Applied Geography*, 45, 89–97. <https://doi.org/10.1016/j.apgeog.2013.08.008>
61. Paez, A. (2013). Mapping travelers' attitudes: Does space matter? [Journal Article]. *Journal of Transport Geography*, 26, 117–125. <https://doi.org/10.1016/j.jtrangeo.2012.09.002>
62. Moniruzzaman, M., Paez, A., Habib, K. M. N., & Morency, C. (2013). Mode use and trip length of seniors in montreal [Journal Article]. *Journal of Transport Geography*, 30, 89–99. <https://doi.org/10.1016/j.jtrangeo.2013.03.007>
63. Le Gallo, J., & Paez, A. (2013). Using synthetic variables in instrumental variable estimation of spatial series models [Journal Article]. *Environment and Planning a-Economy and Space*, 45(9), 2227–2242. <https://doi.org/10.1068/a45443>
64. Lavery, T. A., Paez, A., & Kanaroglou, P. S. (2013). Driving out of choices: An investigation of transport modality in a university sample [Journal Article]. *Transportation Research Part a-Policy and Practice*, 57, 37–46. <https://doi.org/10.1016/j.tra.2013.09.010>
65. Whalen, K. E., Paez, A., Bhat, C., 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 [Journal Article]. *Urban Studies*, 49(6), 1357–1376. <https://doi.org/10.1177/0042098011411942>
66. Scott, D. M., Dam, I., Paez, A., & Wilton, R. D. (2012). Investigating the effects of social influence on the choice to telework [Journal Article]. *Environment and Planning A*, 44(5), 1016–1031. <https://doi.org/10.1068/a43223>
67. Ruiz, M., Lopez, F., & Paez, A. (2012). Comparison of thematic maps using symbolic entropy [Journal Article]. *International Journal of Geographical Information Science*, 26(3), 413–439. <https://doi.org/10.1080/13658816.2011.586327>

68. Paez, A., Trepanier, M., & Morency, C. (2012). Modeling isoexposure to transit users for market potential analysis [Journal Article]. *Transportation Research Part a-Policy and Practice*, 46(10), 1517–1527. <https://doi.org/10.1016/j.tra.2012.07.004>
69. Paez, A., Scott, D. M., & Morency, C. (2012). Measuring accessibility: Positive and normative implementations of various accessibility indicators [Journal Article]. *Journal of Transport Geography*, 25, 141–153. <https://doi.org/10.1016/j.jtrangeo.2012.03.016>
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#### Journal Articles (Accepted for Publication in Final Form)

1. Paez, A. (2021). Reproducibility of research during COVID-19: Examining the case of population density and the basic reproductive rate from the perspective of spatial analysis [Journal Article]. *Geographical Analysis*. <https://doi.org/10.1111/gean.12307>

#### Journal Articles (Submitted for Publication)

1. Soukhov, A., Páez, A., Higgins, C. D., & Mohamed, M. (2022). Introducing spatial availability, a singly-constrained competitive-access accessibility measure [Journal Article]. *PLoS ONE*.
2. Soukhov, A., & Páez, A. (2022). TTS2016R: A data set to study population and employment patterns from the 2016 transportation tomorrow survey (TTS) in the greater toronto and hamilton area in canada [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.
3. Rey Blanco, D., Arbués, P., López, F. A., & Páez, A. (2022). Using machine learning to identify spatial market segments. A reproducible study of major spanish markets [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.
4. Rey Blanco, D., Arbués, P., López, F. A., & Páez, A. (2022). A geo-referenced micro-data set of real estate listings for spain's three largest cities [Journal Article]. *Environment and Planning B: Urban Analytics and City Science*.

5. Merral, J., Higgins, C. D., & Páez, A. (2022). What's a school worth to a neighborhood? A spatial hedonic analysis of property prices in the context of accommodation reviews in ontario [Journal Article]. *Urban Studies*.
6. Jamal, S., & Páez, A. (2022). Well-being implications of immobility during COVID-19: Evidence from a student sample in bangladesh using the satisfaction with life scale [Journal Article]. *Transportation*.
7. Jamal, S., & Páez, A. (2022). Changes in walking frequency and its equity implications during COVID-19 in bangladesh [Journal Article]. *Transportation Research Part D: Transport and Environment*.
8. Jamal, S., & Páez, A. (2022). Exploring modal shift in non-active sustainable modes during the first wave of COVID-19 in bangladesh [Journal Article]. *Transport Policy*.
9. Desjardins, E., Tavakoli, Z., Waygood, O., & Páez, A. (2022). Children's active or independent travel to non-school destinations: An integrative review [Journal Article]. *International Journal of Environmental Research and Public Health*.
10. Desjardins, E., Lam, J., Darcy, R., Damian, C., Waygood, O., & Páez, A. (2022). How is active school travel framed in ontario, canada? [Journal Article]. *Health & Place*.

### Unsolicited Advice

### Invited Talks, Seminars, Workshops, Courses, and Panels

June 10, 20, 24, 27 and 29-2022	Gran Sasso Science Institute An introduction to exploratory data analysis in R L'Aquila, Italy
	<ul style="list-style-type: none"> <li>Invited workshop, Instructor</li> </ul>
May 4-2022	Newcastle University Mobilizing Justice: Developing Data Standards Newcastle-upon-Tyne, UK
	<ul style="list-style-type: none"> <li>Invited Seminar, Presenter</li> </ul>
May 3-2022	Alan Turing Institute Spatial Data Science Newcastle-upon-Tyne, UK
	<ul style="list-style-type: none"> <li>SAD Interview, Interviewee</li> </ul>
March 7-2022	MacPherson Institute and McMaster University Library a companion package to support teaching spatial statistics with R Spatial Data Analysis and Statistics Hamilton, Canada
	<ul style="list-style-type: none"> <li>Lightning Round: Teaching in the Open at McMaster, Panelist</li> </ul>
December 10-2021	Instituto de Pesquisa Econômica Aplicada Inequality and the Availability of Public Services Availability: A Singly Constrained Measure of Accessibility Brasilia, Brazil
	<ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>
November 29-2021	Doctorado en Economía Interuniversitario Investigación en Economía Urbana Cartagena, Spain
	<ul style="list-style-type: none"> <li>VI Jornadas de Doctorado y Seminarios Nocturnos, Keynote Speaker</li> </ul>
October 28-2021	MacPherson Institute and McMaster University Library Living Textbook for Teaching Spatial Statistics Hamilton, Canada
	<ul style="list-style-type: none"> <li>Lightning Round: Teaching in the Open at McMaster, Panelist</li> </ul>
May 25-2021	Polytechnique Montreal Examining spatial equity of bike sharing floating catchment area approach Montreal, Canada
	<ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>
March 17- 2021	Gran Sasso Science Institute What's a school worth to you? L'Aquila, Italy
	<ul style="list-style-type: none"> <li>Invited Seminar, Presenter</li> </ul>
October 1-2020	ITE Transportation Research Seminar (McMaster Chair) Transportation research seminar Hamilton, Canada
	<ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>
June 16-2020	Polytechnique Montreal Using CycleStreets and spatial interaction models to infer cycling routes Montreal, Canada
	<ul style="list-style-type: none"> <li>Colloque Annuel de la Chaire Mobilité, Presenter</li> </ul>
July 9-2019	TRANSyT, Universidad Politécnica de Madrid Big data and urban mobility analysis Madrid, Spain
	<ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>
July 8-2019	Department of Applied Economics, Universidad Autónoma de Madrid Como integrar aprendizaje de máquinas y econometría análisis de precios hedónicos: un ejemplo de segmentación espacial en tres ciudades españolas Madrid, Spain
	<ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>
July 1-2019	Department of Civil, Environmental, and Geomatics Engineering ETH Zurich Accessibility in Infrastructure Zurich, Switzerland
	<ul style="list-style-type: none"> <li>Invited Talk, Speaker</li> </ul>
June 6-2019	Universidad Politécnica de Cartagena Big data and big data analytics Cartagena, Spain
	<ul style="list-style-type: none"> <li>XXIII Applied Economics Meeting, Keynote Speaker</li> </ul>
May 21-2019	Polytechnique Montreal Cost Functions for Accessibility Montreal, Canada



## Departmental, Faculty, University Service

September 2021-March 2022	Member	2022 NSERC CGM-Master Ranking
	Faculty of Science, McMaster University	
February 2022-March 2022	Member	2021 CPN
	School of Earth, Environment and Society, McMaster University	
February 2020-March 2020	Member	2019 CPN
	School of Earth, Environment and Society, McMaster University	
July 2019-present	Member	Graduate
	School of Earth, Environment and Society, McMaster University	
February 2019-March 2019	Member	2018 CPN
	School of Earth, Environment and Society, McMaster University	
June 2018-April 2019	Chair	Search Committee
	School of Geography and Earth Sciences, McMaster University	
June 2017-May 2018	Chair	Search Committee Teaching
	School of Geography and Earth Sciences, McMaster University	
July 2014-July 2015	Member	Teaching Workload
	School of Geography and Earth Sciences, McMaster University	
January 2013-July 2013	Member	University Librarian Search
	McMaster University	
July 2011-July 2014	Member	Space
	School of Geography and Earth Sciences, McMaster University	
July 2010-July 2013	Member	Tenure and Promotion
	Faculty of Science, McMaster University	
July 2010-July 2011	Member	High School and Community Outreach, Publicity
	School of Geography and Earth Sciences, McMaster University	
July 2009-July 2010	Member	Building safety
	School of Geography and Earth Sciences, McMaster University	
July 2007-July 2008	Member	Space
	School of Geography and Earth Sciences, McMaster University	
July 2006-July 2008	Member	Publicity
	School of Geography and Earth Sciences, McMaster University	
September 2006-April 2007	Member	Search Committee Ge
	School of Geography and Earth Sciences, McMaster University	
July 2003-July 2008	Member	Graduate
	School of Geography and Earth Sciences, McMaster University	
September 2003-April 2004	Member	Search Committee Ge
	School of Geography and Geology, McMaster University	