Antonio **Páez**

Professor

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About this CV

This CV was created programmatically using the R statistical language, and it can be accessed here:

`https://github.com/paezha/Official-CV/tree/master/04-MSU-innovation--award`

About Me

- I trained in civil engineering before being adopted into geography.
- My areas of interest include transportation, equity, justice, spatial analysis, spatial statistics, travel behavior, and cities.
- Also Open Science and Open Educational Resources.
- A 2024 global bibliometric analysis by Research.com of the most influential scholars in the social sciences and humanities (about 16,000 researchers) places me in the **top 3%** of scholars in the world.
- In 2024 I was recognized with the **Edward L. Ullman Award** of the Association of American Geographers for lifelong commitment and contributions to the field of transportation geography.
- In 2010 a research team I led was recognized with the **Meredith F. Burrill Award** of the Association of American Geographers for exceptional work at the intersection of policy and basic research in geography.

Education

Tohoku Unversity — *Sendai, Japan*
PhD — *1997-2000*
- Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects

Tohoku Unversity — *Sendai, Japan*
M.Sc. — *1995-1997*
- Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

Instituto Tecnológico y de Estudios Superiores de Monterrey — *Monterrey, Mexico*
B.Eng. — *1989-1993*

Current Status at McMaster

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

Employment History

Academic

School of Earth, Society and Environment, McMaster University — *Hamilton, Canada*
Professor — *July 2014-present*

School of Geography and Earth Sciences, McMaster University — *Hamilton, Canada*
Associate Professor — *July 2007-June 2014*

School of Geography and Geology, McMaster University — *Hamilton, Canada*
Assistant Professor — *July 2002-June 2007*

Center for Northeast Asian Studies, Tohoku University — *Sendai, Japan*
Research Fellow-Lecturer — *October 2000-March 2002*

Teaching at a Glance

Total number of courses taught

Undergraduate: 57

Graduate: 20

Total number of students

Undergraduate: 2,376

Graduate: 96

Teaching (Details)

Undergraduate Teaching

Transportation Geography — *Times offered: 2*
Total enrolment: 80 students — *ENVSOCTY 3LT3*

Applied Spatial Statistics — *Times offered: 4*
Total enrolment: 161 students — *ENVSOCTY 4GA3*

Transport Policy — *Times offered: 4*
Total enrolment: 67 students — *ENVSOCTY 4LP3*

Locational Analysis — *Times offered: 6*
Total enrolment: 492 students — *GEOG 2HA3*

Transportation and Economic Activity — *Times offered: 4*
Total enrolment: 415 students — *GEOG 2LI3*

Transportation Geography — *Times offered: 8*
Total enrolment: 284 students — *GEOG 3LT3*

Analysis of Transportation Systems — *Times offered: 6*
Total enrolment: 280 students — *GEOG 4D03*

Applied Spatial Statistics — *Times offered: 6*
Total enrolment: 186 students — *GEOG 4GA3*

Special Topics in GIS: Geodemographic Analysis — *Times offered: 1*
Total enrolment: 20 students — *GEOG 4GT3*

Transport Policy — *Times offered: 7*
Total enrolment: 118 students — *GEOG 4LP3*

Analysis of Transportation Systems — *Times offered: 4*
Total enrolment: 166 students — *GEOG 4LT3*

Advanced Topics in Spatial Analysis — *Times offered: 5*
Total enrolment: 107 students — *GEOG 4S03*

Graduate Teaching

Reproducible Research Workflow — *Times offered: 4*
Total enrolment: 32 students — *GEO *712*

Transport Policy and Elderly Mobility — *Times offered: 1*
Total enrolment: 1 students — *GEO *715*

Discrete Choice and Policy Analysis — *Times offered: 11*
Total enrolment: 56 students — *GEO *738*

Transport Policy — *Times offered: 4*
Total enrolment: 7 students — *GEOG 6LP3*

Diploma-Certificate Teaching

Advanced Topics in Spatial Analysis *Times offered: 3*

Total enrolment: 29 students *510-654*

Major Project *Times offered: 3*

Total enrolment: 18 students *510-655*

Applied Project *Times offered: 1*

Total enrolment: 2 students *510-657*

Funding for Teaching and Learning Projects

I have been the recipient of several grants to improve my teaching practice, to the total of CAD 18,778. The funding sources as well as the projects are as shown below.

MacPherson Institute-McMaster University Libraries, Canada *CAD 4,932*

Publication and evaluation of the effectiveness of an open-source book to teach spatial statistics *2021-2022*

- PI: Antonio Paez; team size: 2 researchers

MacPherson Institute, Canada *CAD 2,968*

Using interactive resources to teach spatial statistics in a flipped classroom format. *2019*

- PI: Antonio Paez; team size: 3 researchers

School of Geography and Earth Sciences, Canada *CAD 7,000*

Improving teaching materials for spatial statistics *2018*

- PI: Antonio Paez; team size: 2 researchers

Centre for Leadership in Learning McMaster University, Canada *CAD 800*

Developing a web-based survey to collect student travel behavior information *2008*

- PI: Antonio Paez; team size: 1 researchers

Centre for Leadership in Learning McMaster University, Canada *CAD 3,078*

Using spreadsheets and graphics to improve mathematical intuition in geographical problem solving: The case of Locational Analysis *2004*

- PI: Antonio Paez; team size: 1 researchers

Open Educational Resources

I am the sole or lead author of several Open Educational Resources. Open educational resources are materials used for teaching and learning that are released publicly under open licenses that allow the materials to be used, re-used, re-purposed, re-distributed, and adapted by anyone free-of-charge.

Books

1. Páez, A. (2024). *An introduction to spatial data analysis and statistics: A course in R*. `https://doi.org/10.5281/zenodo.5155983`

Packages

1. Páez, A., Ubhi, R., & Dardas, A. (2024). *isdas: Companion Package for Book An Introduction to Spatial Data Analysis and Statistics: A Course in R*. `https://paezha.github.io/isdas/`
2. Páez, A., & Dias dos Santos, B. (2024). *edashop: Resources for Teaching a Workshop on Exploratory Data Analysis*. `https://paezha.github.io/edashop/`
3. Páez, A., Jamal, S., & Desjardins, E. (2023). *envsocty3LT3: A Course Package for Teaching Transportation Geography*. `https://paezha.github.io/envsocty3LT3/`

Scholarship of Teaching and Learning

This is research related to teaching and learning.

Peer reviewed

1. Whalen, K., & Páez, 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. Whalen, K., & Páez, 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
3. Whalen, K., & Páez, 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/teachlearninqu.7.1.5

Work in Progress

1. Soukhov, A., & Páez, A. (2024). *Student perspectives on the use of reflection in a multidisciplinary statistics course* [Manuscript in preparation].
2. Desjardins, E., Jamal, Shaila, Boeing, G., Lovelace, R., & Páez, A. (2024). *Open educational resources in transport geography and planning: Development and student responses* [Manuscript in preparation].

Talks Related to Teaching and Learning

Flipped classrooms, open educational resources, and ungrading: The learning experience of students in their own words — *Hamilton, Canada*

McMaster University — *December 4-2024*

- Innovations in Education Conference, Presenter

Teaching applied spatial statistics: Using open educational and reproducible resources — *Hamilton, Canada*

McMaster University — *December 7-2023*

- Innovations in Education Conference, Co-presenter

Open Educational Resources: What, Why and How? — *Madrid, Spain*

Universidad Complutense de Madrid — *June 12-2023*

- Invited Talk, Presenter

Using computational notebooks to teach spatial statistics: the McMaster experience — *Cartagena, Spain*

Jean Paelinck Worskhop — *April 21-2023*

- Invited Talk, Co-presenter

Developing a companion package to support teaching spatial statistics — *Hamilton, Canada*

MacPherson Institute and McMaster University Library — *March 7-2022*

- Lightning Round: Teaching in the Open at McMaster, Panelist

Using R to develop open-source course packages with computational notebooks: an example of transportation geography — *Hamilton, Canada*

McMaster University — *December 9-2021*

- Innovations in Education Conference, Presenter

Creation of a Living Textbook for Teaching Spatial Statistics — *Hamilton, Canada*

MacPherson Institute and McMaster University Library — *October 28-2021*

- Lightning Round: Teaching in the Open at McMaster, Panelist

Training of Highly Qualified Personnel

Supervision at a Glance

Level	Program	Sole Supervisor	Co-supervisor	Withdrawn from Program
Doctoral	Geography	8	-	3
Doctoral	Civil Engineering	-	2	-
Doctoral	Economics	-	1	-
Master	Geography	10	5	1
Master	Public Health	1	1	-
Master	Civil Engineering	-	8	-
Master	Economics	-	4	-
Master	eHealth	-	1	-
Undergraduate	Civil Engineering	2	-	-
Undergraduate	Economics	1	-	-
Undergraduate	Engineering and Society	9	1	-
Undergraduate	Geography	14	1	-
Undergraduate	Life Sciences	2	-	-
Undergraduate	Physics	1	-	-

Undergraduate Supervision

Mackenzie St. Arnault (McMaster University, Canada) *In Progress*
Economics

Julian Vella (McMaster University, Canada) *In Progress*
Geography

Amanda Rorat (McMaster University, Canada) *In Progress*
Life Sciences

Josh Arbess (McMaster University, Canada) *2021*
Engineering and Society

Subaita Refaaf (McMaster University, Canada) *2021*
Geography

Nadhiyya Shabir (McMaster University, Canada) *2021*
Life Sciences

Josh Arbess (McMaster University, Canada) *2020*
Co-supervised with Sanathan Kassiedass, Senior Advisor, Innovation and New Mobility – Metrolinx *Engineering and Society*

Samuel Greg Smilski (McMaster University, Canada) *2020*
Engineering and Society

William Li (McMaster University, Canada) *2019*
Geography

Dylan Ward (McMaster University, Canada) *2019*
Geography

Ruikang Lin (McMaster University, Canada) *2018*
Geography

Alexander Moriopoulous (McMaster University, Canada) *2018*
Geography

Tyler Marr (McMaster University, Canada) *2018*
Geography

Jill Scott (McMaster University, Canada) *2017*
Geography

Bingjie Zhu (McMaster University, Canada) *2017*
Geography

Emily Byford (McMaster University, Canada) *2017*
Geography

Salvatore Vivona (McMaster University, Canada) *2017*
Physics

Katelyn Penney (McMaster University, Canada) *2015*
Geography

Gabriela Tokarska (McMaster University, Canada) *2013*
Engineering and Society

Katelyn Penney (McMaster University, Canada) *2013*
Geography

Mike McKnight (McMaster University, Canada) *2012*
Engineering and Society

Christine Fandrich (McMaster University, Canada) *2012*
Geography

Zibby Petch (McMaster University, Canada) *2010*
Civil Engineering

Karolina Krol (McMaster University, Canada) *2009*
Civil Engineering

Alexander Eryuzlu (McMaster University, Canada) *2009*
Engineering and Society

David Snell (McMaster University, Canada) *2009*
Geography

Adam Howell (McMaster University, Canada) *2008*
Engineering and Society

Doug C. Sharpe (McMaster University, Canada) *2006*
Engineering and Society

Justin M. Potalivo (McMaster University, Canada) *2005*
Engineering and Society

Matt G. Sonnenberg (McMaster University, Canada) *2005*
Engineering and Society

Steve Gitao (McMaster University, Canada) *2005*
Co-supervised with Pavlos Kanaroglou *Geography*

Master's Supervision

Simran Rakhra (McMaster University, Canada) *In Progress*
Co-supervised with Cynthia Lokker *eHealth*

Mahdis Moghadasi (McMaster University, Canada) *2024*
Geography

Niloofar Nalaee (McMaster University, Canada) *2024*
Geography

Bruno Dias dos Santos (INPE, Brazil, Brazil) *2023*
Co-supervised with Silvana Amaral and Carolina Pinho *Geography*

John Merral (McMaster University, Canada) *2021*
Geography

Elise Desjardins (McMaster University, Canada) *2020*
Public Health

Sean Sears (McMaster University, Canada) *2020*
Geography

Zoha Anjum (McMaster University, Canada) *2019*
Co-supervised with Sarah Dickson and Corinne Wallace *Public Health*

Rodrigo Victoriano (Universidad de Concepcion, Chile) *2018*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Alvaro E. Toledo (Universidad de Concepcion, Chile) *2018*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Christine Fandrich (McMaster University, Canada) *Withdrew from Program*
Geography

Edivaldo C. Neves (Universidade Federal de Pernambuco, Brazil) *2013*
Co-supervised with Tatiane Menezes *Economics*

Mario Reyes (McMaster University, Canada) *2013*
Geography

Sammara C. Soares (Universidade Federal de Pernambuco, Brazil) *2012*
Co-supervised with Tatiane Menezes *Economics*

Kristina Cimaroli (McMaster University, Canada) *2012*
Co-supervised with K. Bruce Newbold *Geography*

Jarin Esita (McMaster University, Canada) *2012*
Geography

Eduardo Barbosa (Universidad de Sao Paulo, Brazil) *2011*
Co-supervised with Eduardo A. Haddad *Economics*

Cristian Bustos (Universidad de Concepcion, Chile) *2011*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Md Moniruzzaram (McMaster University, Canada) *2011*
Geography

Kate Whalen (McMaster University, Canada) *2011*
Geography

Nicolas M. Cespedes (Universidad de Concepcion, Chile) *2011*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Adam Drackley (McMaster University, Canada) *2010*
Co-supervised with K. Bruce Newbold *Geography*

P.J. Saberton (McMaster University, Canada) *2010*
Co-supervised with K. Bruce Newbold *Geography*

Ana Maria Bonomi Barufi (Universidad de Sao Paulo, Brazil) *2010*
Co-supervised with Eduardo A. Haddad *Economics*

Ivy Dam (McMaster University, Canada) *2009*
Co-supervised with Darren M. Scott *Geography*

Natalia Andrea Ruminot Villegas (Universidad de Concepcion, Chile) *2009*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Felipe Antonio Sanhueza Cardenas (Universidad de Concepcion, Chile) *2009*
Co-supervised with Juan A. Carrasco *Civil Engineering*

Julien Bonin (McMaster University, Canada) *2008*
Geography

Fei Long (McMaster University, Canada) *2006*
Geography

Kenji Kawai (Tohoku University, Japan) *2002*
Co-supervised with Kazuaki Miyamoto *Civil Engineering*

Eri Yamada (Tohoku University, Japan) *2001*
Co-supervised with Kazuaki Miyamoto *Civil Engineering*

Doctoral Supervision

Bruno Dias dos Santos (McMaster University, Canada) *In Progress*
Geography

Anastasia Soukhov (McMaster University, Canada) *In Progress*
Geography

Elise Desjardins (McMaster University, Canada) *In Progress*
Geography

Fernando Romero (Universidad Politecnica de Madrid, Spain) *2020*
Co-supervised with José Manuel Vasallo *Civil Engineering*

Kate Whalen (McMaster University, Canada) *2020*
Geography

Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais, Brazil) *2019*
Co-supervised with Pedro Amaral *Economics*

Faten Almjlad (McMaster University, Canada) *Withdrew from Program*
Geography

Li He (McMaster University, Canada) *2016*
Geography

Md Moniruzzaram (McMaster University, Canada) *2014*
Geography

Mario Reyes (McMaster University, Canada) *Withdrew from Program*
Geography

Daniel Del Bianco (McMaster University, Canada) *Withdrew from Program*
Geography

Lucia Mejia (Universidad Politecnica de Madrid, Spain) *2011*
Co-supervised with José Manuel Vasallo *Civil Engineering*

Steven Farber (McMaster University, Canada) *2010*
Geography

Ruben Mercado (McMaster University, Canada) *2007*
Geography

Other Contributions to Teaching and Learning

Supervisory Committees (All are doctoral unless otherwise noted)

Ricardo Lourenco Barros (McMaster University; 2022-) Understanding vegetation dynamics with satellite observations and Explainable Artificial Intelligence (XAI)

Samira Hamidetehrani (McMaster University; 2020-) User Preferences and Intentions Regarding Shared Automated Vehicles in Canadian Metropolitan Areas

Christina Borowiec (McMaster University; 2019-) Active travel

Shaila Jamal (McMaster University; 2023) Generational differences in travel behavior

Jeremy Gabriel (McMaster University; 2023) Strata analysis

Elnaz Abotalebi (McMaster University; 2019) Consumer stated preferences survey for electric cars

Wade Genders (McMaster University; 2018) Deep Reinforcement Learning Adaptive Traffic Signal Control

Randy Bui (McMaster University; withdrew from program) Understanding Network Robustness and Critical Roadway Links in the Greater Toronto and Hamilton Area under Short-Term Disruption

Nazila Roofigari-Esfahan (McMaster University; 2016) A Framework for Spatio-Temporal Uncertainty-Aware Scheduling and Control of Linear Projects

Arash Olia (McMaster University; 2016) Modelling and Assessment of the Transportation Potential and Impacts of Connected and Automated Vehicles

Chris Higgins (McMaster University; 2015) A Value Planning Framework for Predicting and Recapturing the Value of Rapid Transit Infrastructure

Matthew Adams (McMaster University; 2015) Advancing the use of mobile monitoring data for air pollution modelling

Scott Bennett (McMaster University; 2015) Safer walking routes to school: applied and methodological geographies of child pedestrian injury

Sarah Dickin (McMaster University; September 2014) Mapping vulnerability to water-related infectious disease: an ecosystem approach

Ron Dalumpines (McMaster University; July 2014) Route choice analysis in time-geographic perspective

Kathleen Deutsch (University of California Santa Barbara; June 2013) Sense of place and travel behavior

Andrew Clarke (McMaster University; January 2013) Understanding determinants of active travel

Xudong Liu (McMaster University; withdrew from program in 2011) Integrating firmography in urban models

Jia Yang (McMaster University; withdrew from program in 2011) Modeling firm survival

Renilson Rodriguez da Silva (Universidade de Sao Paulo; completed: March 2011) Accessibility and development in the Amazon region (with Danilo Igliori)

Jamie E.L. Spinney (McMaster University; completed: September 2010) Geography, Land Values, and Municipal Taxation: A Spatial Paradigm for the Estimation and Reclamation of Rent

Kelsey MacCormack (McMaster University; completed: July 2010) Delineation of subsurface gravel units beneath the Dundas Valley, Ontario

Theodora Pouliou (McMaster University; completed: September 2009) Individual and Socio-Environmental Determinants of Obesity in Canada

Hejun Kang (McMaster University; completed: August 2008) Intra-households interactions and travel behavior

Dimitris Potoglou (McMaster University; completed: April 2006) Potential demand for alternative fuelled vehicles in the City of Hamilton CMA

Examination Committees

Samira Hamidetehrani (Ph.D., McMaster University; School of Earth, Environment and Society) September 15, 2023

Daniel Van Veghel (M.Sc., McMaster University; School of Earth, Environment and Society) August 28, 2023

Bruno Dias dos Santos (M.Sc., INPE, Brazil) May 18, 2023

Daniela Arias Molinares (Ph.D., Facultad de Geografía e Historia, Universidad Complutense de Madrid) May 10, 2023

Shaila Jamal (Ph.D. McMaster University; School of Earth, Environment and Society) May 9, 2023

Lucy Joseph Chabariko (Ph.D., School of Transportation Sciences, University of Hasselt) December 21, 2020

Darcy Reynard (Ph.D., Department of Earth and Atmospheric Sciences, University of Alberta) December 18, 2020

Jose Carpio-Pinedo (Ph.D., ETS Arquitectura, Universidad Politecnica de Madrid) November 19, 2020

Sami Kurani (M.A., McMaster University; School of Earth, Environment and Society) September 28, 2020

Geun (Jayden) Choi (M.A., McMaster University; School of Earth, Environment and Society) August 25, 2020

Matthew Brown (M.A., McMaster University; School of Earth, Environment and Society) April 3, 2020

Javier Delso (Ph.D., ETSI Montes, Universidad Politecnica de Madrid) February 25, 2020

Shaila Jamal (Ph.D., Comprehensive Examination, School of Geography and Earth Sciences) February 11, 2020

Kyran Cupido (Ph.D., Arizona State University, School of Mathematics and Statistical Sciences) December 6, 2019

Zoha Anjum (MPH, McMaster University, Health Research Methods, Evidence, and Impact) September 2019

Georgios Sarlas (Ph.D., ETH Zurich, Civil, Environmental, and Geomatics Engineering) July 1, 2019

Matthew Quick (Ph.D., University of Waterloo; School of Planning) April 24, 2019

Wade Genders (Ph.D., McMaster University; Civil Engineering) November 22, 2018

Quinn Hachey (M.A., McMaster University; School of Geography and Earth Sciences) December 18, 2017

Wei Lu (M.A., McMaster University; School of Geography and Earth Sciences) September 28, 2017

Charles Burke (Ph.D., McMaster University; School of Geography and Earth Sciences) December 5, 2016

Nazila Roofigari-Esfahan (Ph.D., McMaster University; Civil Engineering) August 8, 2016

Juan Pablo Ospina Zapata (Ph.D., Comprehensive Examination. Universidad Nacional de Colombia – Medellin; Civil Engineering) June 10, 2016

Arash Olia (Ph.D., McMaster University; Civil Engineering) June 8, 2016

Geraldine Fuenmayor (Ph.D., University of Calgary; Civil Engineering) May 19, 2016

Sadia Yawar (M.A., McMaster University; School of Geography and Earth Sciences) April 29, 2016

An Neven (Ph.D., Hasselt University; School of Transportation Sciences) September 7, 2015

Chris Higgins (Ph.D., McMaster University; School of Geography and Earth Sciences) August 28, 2015

Matthew Adams (Ph.D., McMaster University; School of Geography and Earth Sciences) July 31, 2015

Scott Bennett (Ph.D., McMaster University; School of Geography and Earth Sciences) July 3, 2015

Wade Genders (M.A.Sc., McMaster University; Civil Engineering) November 17, 2014

Sarah Dickin (Ph.D., McMaster University; Geography) September 5, 2014

Simon Minelli (M.A.Sc., McMaster University; Civil Engineering) September 3, 2014

Ron Dalumpines (Ph.D., McMaster University; Geography) July 28, 2014

Markus Botte (Ph.D., University of Western Australia; Business) July 4, 2014

Kathleen Deutsch (Ph.D., University of California Santa Barbara; Geography) June 20, 2013

Chris Higgins (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) February 14, 2013

Andrew Clarke (Ph.D., McMaster University; Geography and Earth Sciences) September 24, 2012

Adrian Klisz (M.A., McMaster University; Geography and Earth Sciences) July 24, 2012

Sarah Dickin (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) October 24, 2011

Jia Yang (M.A., McMaster University; Geography and Earth Sciences) September 12, 2011

Xudong Liu (M.A., McMaster University; Geography and Earth Sciences) September 12, 2011

Ron Dalumpines (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 3, 2010

Jia Yang (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 2, 2010

Xudong Liu (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) December 2, 2010

Jamie E.L. Spinney (Ph.D., McMaster University; Geography and Earth Sciences) September 24, 2010

Kelsey McCormack (Ph.D., McMaster University; Geography and Earth Sciences) July 27, 2010

PJ Saberton (M.A., McMaster University; Geography and Earth Sciences) July 26, 2010

Adam Drackley (M.A., McMaster University; Geography and Earth Sciences) July 26, 2010

Kathleen Deutsch (Ph.D., Proposal Defense. University of California Santa Barbara) April 14, 2010

Daniela Schettini (Ph.D., Universidade de São Paulo; Economics) April 9, 2010

Ana Maria Bonomi Barufi (M.A., Universidade de São Paulo; Economics) February 12, 2010

Logan McLeod (Ph.D., McMaster University; Economics) November 13, 2009

Yifei Wang (M.A., McMaster University; Geography and Earth Sciences) September 18, 2009

Ivy Dam (M.A., McMaster University; Geography and Earth Sciences) September 18, 2009

Karen Wiley (M.A., McMaster University; Geography and Earth Sciences) September 10, 2009

Theodora Pouliou (Ph.D., McMaster University; Geography and Earth Sciences) September 8, 2009

Terry Li (Ph.D., The University of Queensland; School of Geography, Planning and Environmental Management) August, 2009

Gustavo Renno Rocha (M.Sc., Qualification Examination. Universidade de São Paulo; Escola de Engenharia de São Carlos) August 7, 2009

Dan Harrington (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) January 20, 2009

Kelsey MacCormack (Ph.D., Comprehensive Examination. McMaster University; Geography and Earth Sciences) September 22, 2008

Hejun Kang (Ph.D., McMaster University; Geography and Earth Sciences) August18, 2008

Kenneth Harold Doust (Ph.D., University of New South Wales, Australia; School of Civil and Environmental Engineering) May, 2008

Sylvia He (M.A., McMaster University; Geography and Earth Sciences) August 8, 2006

Jennifer L. Campos (Ph.D., McMaster University; Psychology and Neuroscience) September 11, 2007

Jessica Becker (M.A., McMaster University; Geography and Earth Sciences) September 17, 2007

Charles Cheung (Ph.D., University of New South Wales, Australia; School of Civil and Environmental Engineering) June, 2005

Knowledge Mobilization Activities

Introducing spatial availability, a singly-constrained accessibility measure — *Vienna, Austria*

BOKU University — *July 16-2024*

- Workshop, Instructor

An introduction to exploratory data analysis in R — *São Paulo, Brazil*

Universidade Federal do ABC — *June 10-15-2024*

- Workshop, Instructor

Applied accessibility analysis using FOSS — *Toronto, Canada*

Transportation Services, City of Toronto — *May 28-2024*

- Workshop, Instructor

Creating Programmatic CVs with R — *Hamilton, Canada*

School of Earth, Environment and Society, McMaster University — *April 15-2024*

- Workshop, Presenter

Collaborative Reproducible Research using R and GitHub Illustrated with a Spatial Analysis Project — *Perth, Australia*

Business Data Analytics, The University of Western Australia — *March 20 and 22-2024*

- Workshop, Instructor

Introducing spatial availability, a singly-constrained accessibility measure — *Karlsruhe, Germany*

Karlsruhe Institute of Technology-ITAS — *February 20-2024*

- Workshop, Instructor

Introducing spatial availability, a singly-constrained accessibility measure — *Montréal, Canada*

Polytechique Montréal — *October 7-2023*

- Workshop, Instructor

Workshop: Writing a McMaster thesis with R, markdown, and macdown — *Hamilton, Canada*

McMaster University — *April 14 and 21-2023*

- Workshop, Instructor

An introduction to exploratory data analysis in R — *Rimini, Italy*

Alma Mater Studiorum - Università di Bologna in Rimini — *November 14, 17, and 18-2022*

- Workshop, Instructor

An introduction to exploratory data analysis in R — *L'Aquila, Italy*

Gran Sasso Science Institute — *June 10, 20, 24, 27 and 29-2022*

- Workshop, Instructor

Accessibility and Threshold Selection — *Montréal, Canada*

Polytechique Montréal — *May 20-2022*

- Workshop, Presenter

Creating Programmatic CVs with R — *Hamilton, Canada*

School of Earth, Environment and Society, McMaster University — *April 4-2022*

- Workshop, Presenter

Methodology: spatial statistics with R — *L'Aquila, Italy*

Gran Sasso Science Institute — *March 12 to 14-2018*

- Workshop, Instructor

Exploratory spatial data analysis of categorical data — *L'Aquila, Italy*

Regional Science Association International-Gran Sasso Science Institute Summer School — *July 3 to 4-2017*

- Workshop, Instructor

Selected topics in spatial analysis — *Perth, Australia*

The University of Western Australia Business School — *December 12 to 17-2014*

- Workshop, Instructor

Econometric techniques for urban transport and land use analysis — *Montréal, Canada*

Department de genies civil, geologique et des mines, Ecole Polytechnique Montréal — *February 9 to 12-2009*

- Workshop, Instructor

Selected topics in spatial analysis — *São Paulo, Brazil*

Universidade de São Paulo — *October 23 and 30-2008*

- Workshop, Instructor

Scholarly Outputs

Books

1. Páez, A., & Boisjoly, G. (2023). *Discrete choice analysis with R*. Springer Cham. https://doi.org/10.1007/978-3-031-20719-8

Edited Books

1. Franklin, R. S., Leeuwen, E. S. van, & Páez, 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

1. Parga, J. P., Soukhov, A., Arku, R. N., Higgins, C. D., & Páez, A. (2024). Democratic access to our cities: The impacts of recent changes to transit services in major canadian metropolitan areas. In *Canada's urban infrastructure deficit: Toward democracy and equitable prosperity*. School of Cities, University of Toronto.

2. Fischer, J., Anderson-Gregson, B., Farber, S., Tiznado-Aitken, I., Páez, A., Winters, M., Woodward, B., & A., Smith. (2024). Enhancing equity in infrastructure planning: A spatial analysis of access disparities across canada. In *Canada's urban infrastructure deficit: Toward democracy and equitable prosperity*. School of Cities, University of Toronto.
3. Barbosa, E., Féres, J., Haddad, E., & Páez, A. (2020). Climate change and land use pattern in brazil. In J.-C. Thill (Ed.), *Innovations in urban and regional systems: Contributions from GIS&t, spatial analysis and location modeling* (pp. 443–472). Springer International Publishing. https://doi.org/10.1007/978-3-030-43694-0_20
4. Franklin, R. S., Leeuwen, E. S. van, & Páez, A. (2018). Transportation where people leave: An introduction. In *Population loss: The role of transportation and other issues* (Vol. 2, pp. 1–14). Academic Press-Elsevier. https://doi.org/10.1016/bs.atpp.2018.09.008
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9. Páez, A., Le Gallo, J., Buliung, R. N., & Dall'Erba, S. (2010). Progress in spatial analysis: introduction. In *Progress in spatial analysis* (Vol. 63, pp. 1–13). Springer. https://doi.org/10.1007/978-3-642-03326-1_1
10. Farber, S., Páez, A., & Volz, E. (2010). Topology, dependency tests and estimation bias in network autoregressive models. In *Progress in spatial analysis* (Vol. 63, pp. 29–57). Springer. https://doi.org/10.1007/978-3-642-03326-1_3
11. Páez, A., & Wheeler, D. C. (2009). *Geographically weighted regression* (pp. 407–414).

Reports

1. Soukhov, A., & Páez, A. (2024). *Accessibility analysis for planning applications* (MJ-A2-0002). Mobilizing Justice. https://github.com/soukhova/MJ-Accessibility-Blogs
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3. Farber, S., & Páez, A. (2010). *Understanding the transportation situation of canadian adults with disabilities*. Human Resources; Social Development Canada. https://www.researchgate.net/profile/Steven-Farber-2/publication/254608932_Participation_and_desire_leisure_activities_among_Canadian_adults_with_disabilities/links/00463528d2c12cafd9000000/Participation-and-desire-leisure-activities-among-Canadian-adults-with-disabilities.pdf
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Peer-Reviewed Journal Articles (Published)

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6. Tavakoli, Z., Abdollahi, S., Waygood, E. O. D., Páez, A., & Boisjoly, G. (2024). Traffic danger's potential impact on children's accessibility. *Transportation Research Part D: Transport and Environment*, *135*, 104370. https://doi.org/10.1016/j.trd.2024.104370
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Peer-Reviewed Journal Articles (Accepted for Publication in Final Form)

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