

Antonio Páez

PROFESSOR

School of Earth, Environment and Society
McMaster University
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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/president-award-teaching/>

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 University

PhD Sendai, Japan
1997-2000

- Thesis Title: Applied Statistical Analysis of Geographically Detailed Data with Emphasis on Spatial Effects

Tohoku University

M.Sc. Sendai, Japan
1995-1997

- Thesis Title: Evaluation of Environmental Changes Caused by Urbanization

Instituto Tecnológico y de Estudios Superiores de Monterrey

B.Eng. Monterrey, Mexico
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

PROFESSOR Hamilton, Canada
July 2014-present

School of Geography and Earth Sciences, McMaster University

ASSOCIATE PROFESSOR Hamilton, Canada
July 2007-June 2014

School of Geography and Geology, McMaster University

ASSISTANT PROFESSOR Hamilton, Canada
July 2002-June 2007

Center for Northeast Asian Studies, Tohoku University

RESEARCH FELLOW-LECTURER Sendai, Japan
October 2000-March 2002

Teaching at a Glance

TOTAL NUMBER OF COURSES TAUGHT

Undergraduate: 55

Graduate: 19

TOTAL NUMBER OF STUDENTS

Undergraduate: 2,307

Graduate: 94

Teaching (Details)

UNDERGRADUATE TEACHING

Transportation Geography

TOTAL ENROLMENT: 80 STUDENTS

Times offered: 2

ENVSOCY 3LT3

Applied Spatial Statistics

TOTAL ENROLMENT: 113 STUDENTS

Times offered: 3

ENVSOCY 4GA3

Transport Policy

TOTAL ENROLMENT: 46 STUDENTS

Times offered: 3

ENVSOCY 4LP3

Locational Analysis

TOTAL ENROLMENT: 492 STUDENTS

Times offered: 6

GEOG 2HA3

Transportation and Economic Activity

TOTAL ENROLMENT: 415 STUDENTS

Times offered: 4

GEOG 2LI3

Transportation Geography

TOTAL ENROLMENT: 284 STUDENTS

Times offered: 8

GEOG 3LT3

Analysis of Transportation Systems

TOTAL ENROLMENT: 280 STUDENTS

Times offered: 6

GEOG 4D03

Applied Spatial Statistics

TOTAL ENROLMENT: 186 STUDENTS

Times offered: 6

GEOG 4GA3

Special Topics in GIS: Geodemographic Analysis

TOTAL ENROLMENT: 20 STUDENTS

Times offered: 1

GEOG 4GT3

Transport Policy

TOTAL ENROLMENT: 118 STUDENTS

Times offered: 7

GEOG 4LP3

Analysis of Transportation Systems

TOTAL ENROLMENT: 166 STUDENTS

Times offered: 4

GEOG 4LT3

Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 107 STUDENTS

Times offered: 5

GEOG 4S03

GRADUATE TEACHING

Reproducible Research Workflow

TOTAL ENROLMENT: 32 STUDENTS

Times offered: 4

GEO *712

Transport Policy and Elderly Mobility

TOTAL ENROLMENT: 1 STUDENTS

Times offered: 1

GEO *715

Discrete Choice and Policy Analysis

TOTAL ENROLMENT: 54 STUDENTS

Times offered: 10

GEO *738

Transport Policy

TOTAL ENROLMENT: 7 STUDENTS

Times offered: 4

GEOG 6LP3

DIPLOMA-CERTIFICATE TEACHING

Advanced Topics in Spatial Analysis

TOTAL ENROLMENT: 29 STUDENTS

Times offered: 3

510-654

Major Project

TOTAL ENROLMENT: 18 STUDENTS

Times offered: 3

510-655

Applied Project

TOTAL ENROLMENT: 2 STUDENTS

Times offered: 1

510-657

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	Economy	-	1	-
Master	Geography	10	5	1
Master	Public Health	1	1	-
Master	Civil Engineering	-	8	-
Master	Economy	-	4	-
Undergraduate	Civil Engineering	2	-	-
Undergraduate	Engineering and Society	9	1	-
Undergraduate	Geography	13	1	-
Undergraduate	Life Sciences	2	-	-
Undergraduate	Physics	1	-	-

UNDERGRADUATE SUPERVISION

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) CO-SUPERVISED WITH PAVLOS KANAROGLOU	2005 Geography
MASTER'S SUPERVISION	
Mahdis Moghadasi (McMaster University, Canada)	2024 Geography
Niloofer Nalaei (McMaster University, Canada)	2024 Geography
Bruno Dias dos Santos (INPE, Brazil, Brazil) CO-SUPERVISED WITH SILVANA AMARAL AND CAROLINA PINHO	2023 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) CO-SUPERVISED WITH SARAH DICKSON AND CORINNE WALLACE	2019 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	Economy
Mario Reyes (McMaster University, Canada)	2013
	Geography
Sammara C. Soares (Universidade Federal de Pernambuco, Brazil)	2012
CO-SUPERVISED WITH TATIANE MENEZES	Economy
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	Economy
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	Economy
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)	<i>In Progress</i> Geography
Elise Desjardins (McMaster University, Canada)	<i>In Progress</i> Geography
Fernando Romero (Universidad Politecnica de Madrid, Spain) CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	2020 Civil Engineering
Kate Whalen (McMaster University, Canada)	2020 Geography
Tatiana Ferrari Kolodin (Universidade Federal de Minas Gerais, Brazil) CO-SUPERVISED WITH PEDRO AMARAL	2019 Economy
Faten Almjlad (McMaster University, Canada)	<i>Withdrew from Program</i> Geography
Li He (McMaster University, Canada)	2016 Geography
Md Moniruzzaram (McMaster University, Canada)	2014 Geography
Mario Reyes (McMaster University, Canada)	<i>Withdrew from Program</i> Geography
Daniel Del Bianco (McMaster University, Canada)	<i>Withdrew from Program</i> Geography
Lucia Mejia (Universidad Politecnica de Madrid, Spain) CO-SUPERVISED WITH JOSÉ MANUEL VASALLO	2011 Civil Engineering
Steven Farber (McMaster University, Canada)	2010 Geography
Ruben Mercado (McMaster University, Canada)	2007 Geography

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 Hamidetebrani (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 Iglori)

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 Hamidetebrani (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 Molinara (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) August 18, 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

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 PUBLICATION AND EVALUATION OF THE EFFECTIVENESS OF AN OPEN-SOURCE BOOK TO TEACH SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	CAD 4,932 2021-2022
MacPherson Institute, Canada USING INTERACTIVE RESOURCES TO TEACH SPATIAL STATISTICS IN A FLIPPED CLASSROOM FORMAT. • Pl: Antonio Paez; team size: 3 researchers	CAD 2,968 2019
School of Geography and Earth Sciences, Canada IMPROVING TEACHING MATERIALS FOR SPATIAL STATISTICS • Pl: Antonio Paez; team size: 2 researchers	CAD 7,000 2018
Centre for Leadership in Learning McMaster University, Canada DEVELOPING A WEB-BASED SURVEY TO COLLECT STUDENT TRAVEL BEHAVIOR INFORMATION • Pl: Antonio Paez; team size: 1 researchers	CAD 800 2008
Centre for Leadership in Learning McMaster University, Canada USING SPREADSHEETS AND GRAPHICS TO IMPROVE MATHEMATICAL INTUITION IN GEOGRAPHICAL PROBLEM SOLVING: THE CASE OF LOCATIONAL ANALYSIS • Pl: Antonio Paez; team size: 1 researchers	CAD 3,078 2004

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. Páez, A. (2024). *An AI is haunting campus: A call for human-centered higher education* [Manuscript in preparation].
3. 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

Open Educational Resources: What, Why and How?

UNIVERSIDAD COMPLUTENSE DE MADRID

- Unsolicited Advice, Presenter

Madrid, Spain

June 12-2023

Using computational notebooks to teach spatial statistics: the McMaster experience

JEAN PAELINCK WORKSHOP

- Invited Talk, Co-presenter

Cartagena, Spain

April 21-2023

Developing a companion package to support teaching spatial statistics

MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY

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

Hamilton, Canada

March 7-2022

Using R to develop open-source course packages with computational notebooks: an example of transportation geography

MCMASTER UNIVERSITY

- Innovations in Education Conference, Presenter

Hamilton, Canada

December 9-2021

Creation of a Living Textbook for Teaching Spatial Statistics

MACPHERSON INSTITUTE AND MCMASTER UNIVERSITY LIBRARY

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

Hamilton, Canada

October 28-2021