

# Jesus M. Barajas

Dept of Environmental Science and Policy  
University of California, Davis  
3011 Wickson Hall  
One Shields Ave., Davis, CA 95616

[jmbarajas@ucdavis.edu](mailto:jmbarajas@ucdavis.edu)  
[jmbarajas.com](http://jmbarajas.com)

## EDUCATION

PhD, City and Regional Planning, University of California, Berkeley, 2016

Dissertation: "[Making Invisible Riders Visible: Motivations for Bicycling and Public Transit Use Among Latino Immigrants](#)"

Best dissertation award, Council of University Transportation Centers

MURP, Urban and Regional Planning, California State Polytechnic University, Pomona, 2011

BS, Computer Science, The Pennsylvania State University, 2003

## ACADEMIC APPOINTMENTS

Assistant Professor of Environmental Science and Policy, University of California, Davis, 2020–

Assistant Professor of Urban and Regional Planning, University of Illinois at Urbana–Champaign, 2018–2020

Illinois Distinguished Postdoctoral Research Associate, University of Illinois at Urbana–Champaign, 2017–2018

Postdoctoral Scholar, Safe Transportation Education and Research Center, University of California, Berkeley, 2016–2017

## PUBLICATIONS

### *Journal Articles*

Bierbaum, Ariel H., Alex Karner, and Jesus M. Barajas. 2020. "[Towards Mobility Justice: Linking Transportation and Education Equity in the Context of School Choice.](#)" *Journal of the American Planning Association*. Published ahead of print.

Barajas, Jesus M. 2020. "[Supplemental Infrastructure: How Community Networks and Immigrant Identity Influence Cycling.](#)" *Transportation* 47: 1251–1274.

Barajas, Jesus M. 2019. "[Perceptions, People, and Places: Influences on Cycling for Latino Immigrants and Implications for Equity.](#)" *Journal of Planning Education and Research*: 1–16. Published ahead of print.

Barajas, Jesus M., Kate Beck, Jill F. Cooper, Ana Lopez, and Amanda Reynosa. 2019. "[How Effective Are Community Pedestrian Safety Training Workshops? Short-term Findings from a Program in California.](#)" *Journal of Transport & Health* 12 (March): 183–194.

Barajas, Jesus M. 2018. “Not All Crashes Are Created Equal: Associations between the Built Environment and Disparities in Bicycle Collisions.” *Journal of Transport and Land Use* 11 (1): 865–882.

Barajas, Jesus M., Asha Weinstein Agrawal, and Daniel G. Chatman. 2018. “Immigration, Income, and Public Transit Perceptions: Findings from an Intercept Survey.” *Journal of Public Transportation* 21 (2): 1–18.

### *Book Chapter*

Barajas, Jesus M., Geoff Boeing, and Julie Wartell. 2017. “Neighborhood Change, One Pint at a Time: The Impact of Local Characteristics on Craft Breweries.” In *Untapped: Exploring the Cultural Dimensions of the Craft Beer Revolution*, edited by Nathaniel G. Chapman, J. Slade Lellock, and Cameron Lippard, 155–176. Morgantown: WVU Press.

### *Reports*

Barajas, Jesus M., Karen Trapenberg Frick, and Robert Cervero. 2020. *Travel of TOD Residents in the San Francisco Bay Area: Examining the Impact of Affordable Housing*. University of Illinois at Urbana–Champaign and University of California, Berkeley.

Barajas, Jesus M., Daniel G. Chatman, and Asha W. Agrawal. 2016. *Exploring Bicycle and Public Transit Use by Low-Income Latino Immigrants: A Mixed-Methods Study in the San Francisco Bay Area*. MTI Report. San José, CA: Mineta Transportation Institute.

### *Book Reviews*

Barajas, Jesus M. 2019. Review: *Latino Placemaking and Planning: Cultural Resilience and Strategies for Reurbanization* By Lara, Jesus J. *Journal of Planning Education and Research*. Published ahead of print.

Barajas, Jesus M. 2017. Review of *Bicycle Justice and Urban Transformation: Biking for All?*, edited by Aaron Golub, et al. *Journal of the American Planning Association* 83 (2): 226–227.

Barajas, Jesus M. 2014. Review of *Bikenomics: How Bicycling Can Save the Economy*, by Elly Blue. *Berkeley Planning Journal* 27: 110–12.

### *Working Papers and Preprints*

Barajas, Jesus M., and Anne Brown. 2020. “Not Minding the Gap: Does Ride-Hailing Serve Transit Deserts?” Available on SocArXiv.

Barajas, Jesus M., and Lindsay M. Braun. 2020. “Are Cycling and Walking Good for All? Tracking Differences in Associations among Active Travel, Socioeconomics, Gentrification, and Self-reported Health.” Available on SocArXiv.

Barajas, Jesus M. 2019. “[The Effects of Driver Licensing Laws on Immigrant Travel.](#)” Available on SocArXiv.

Bierbaum, Ariel H., and Jesus M. Barajas. 2019. “[The Burden of Choice? Assessing the Impact of School Choice on Student Travel and Household Activity in Philadelphia.](#)” Available on SSRN.

## **RESEARCH GRANTS**

Illinois Center for Transportation, “Evaluating IDOT’s Community Impact Assessment Manual to Determine Socioeconomic Impacts of Projects” (co-PI with Lindsay M. Braun), \$209,128, 2020–2022.

University of Illinois at Urbana–Champaign Campus Research Board, “Equity in the Use of Emerging Data Sources for Transportation Planning” (co-PI with Lindsay M. Braun), \$27,349, 2020–2021.

Illinois Department of Transportation, “Transit Ridership Trends in Downstate Illinois” (co-PI with Lindsay M. Braun and Bumsoo Lee), \$312,249.90, 2020–2021.

Illinois Center for Transportation, “Construction of Pedestrian Infrastructure Along Transit Corridors” (co-PI with Lindsay M. Braun and Bumsoo Lee), \$248,915, 2018–2020.

Great Communities Collaborative and San Francisco Bay Area Rapid Transit District, “The Impacts of TOD and Affordable Housing on BART Ridership” (visiting researcher with PI Karen Trapenberg Frick), \$100,000, 2017–2019.

Mineta Transportation Institute, “Bicycling and Access to Transit by Low-Income Immigrants” (project coordinator with PI Daniel G. Chatman), \$66,000, 2013–2016.

California Center on Economic Competitiveness in Transportation, “Barriers to Travel and Opportunity: Low-Income Latino Immigrants in the San Francisco Bay Area” (Dissertation Grant Recipient), \$18,000, 2015.

## **INVITED TALKS & PANEL DISCUSSIONS**

“Biking While Black: How Planning Contributes to Unjust Policing.” 2020. Transport Chicago, Chicago, Ill., October 16.

“Biking While Black: How Planning Contributes to Unjust Policing.” 2020. National Institute for Transportation and Communities Visiting Scholar Seminar Series, Portland State University, Portland, Ore., October 9.

“Mobility Violations: Exploring Policing, Planning, and Transportation.” 2020. Transportation Technology & Policy Mobility Justice Working Group Workshop Series, University of California, Davis, Calif., May 15.

- “Mobility Justice in Chicago: Ending Racialized Enforcement Activities (Panel Discussion).” 2020. Hosted by Equiticity and Center for Neighborhood Technology, Chicago, Ill., March 9.
- “Pedestrian Safety, Accessibility, and Harassment: Experiences Across Age, Race, Class, Ability, and Gender (Panel Discussion and Workshop).” 2020. 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 16.
- “Transport Justice in Theory and Practice Roundtable.” 2019. 59th Association of Collegiate Schools of Planning Annual Conference, Greenville, S.C., October 24.
- “Supplemental Infrastructure: Travel Behavior and Transportation Equity in Latino Immigrant Communities.” 2019. Department of Geography & GIS, University of Illinois at Urbana–Champaign, March 8.
- “Supplemental Infrastructure: Travel Behavior and Transportation Equity in Latino Immigrant Communities.” 2019. Graduate School of Design, Harvard University, February 21.
- “The Data Revolution for Planning and Community Engagement.” 2018. University of Illinois Extension Annual Conference, Champaign, Ill., November 14.
- APA-IL Equity in Planning Panel. 2018. Chicago, Ill., October 18.
- “When Getting There Is Half the Battle: Barriers to Transit and Bicycling for Low-Income Immigrants.” 2017. CALCOG Leadership Forum, Monterey, Calif., March 31.
- “Private Sector Business View of Traveler Information Distribution: NAVTEQ Traffic.” 2009. TRB Workshop Identifying Traveler Information Research Needs, UC Irvine, April 16.

## CONFERENCE PRESENTATIONS

*Items with an asterisk indicate peer-reviewed papers also appear in refereed conference proceedings. Bold names indicate presenting author on multi-author presentations. Accepted presentations listed.*

**Barajas, Jesus M.**, and Lindsay M. Braun. 2021. “Are Walking and Cycling Good for All? Tracking Differences in Associations among Active Travel, Socioeconomics, Gentrification, and Self-reported Health.” 100th Annual Meeting of the Transportation Research Board.

**Krapp, Agustina**, Jesus M. Barajas, and Audrey Wennink. 2021. “Equity-Oriented Criteria for Project Prioritization in Regional Transportation Planning.” 100th Annual Meeting of the Transportation Research Board.

Coren, Chelsie, Kate Lowe, and **Jesus M. Barajas**. 2021. “Commuting in Context: A Qualitative Study of Transportation Challenges for Disadvantaged Job Seekers in Chicago, IL.” 100th Annual Meeting of the Transportation Research Board.

- Barajas, Jesus M.**, and Lindsay M. Braun. 2020. "Equitable Crowdsourcing: How Do Planners Use and Address Potential Bias in Emerging Data Sources?" 60th Association of Collegiate Schools of Planning Annual Conference, November 5–8.
- Bierbaum, Ariel H., **Alex Karner**, and Jesus M. Barajas. 2020. "Transportation Equity, Education Equity, and School Choice: Making the Connections." 99th Annual Meeting of the Transportation Research Board, Washington, D.C., January 15.
- Barajas, Jesus M.**, Robert Cervero, and Karen Trapenberg Frick. 2019. "Does Equitable TOD Improve Access for Low-Income Households? Examining Travel Behavior in the San Francisco Bay Area." 59th Association of Collegiate Schools of Planning Annual Conference, Greenville, S.C., October 26.
- Barajas, Jesus M.**, and Kate Lowe. 2019. "Traffic Citations in Chicago: Implications for Pedestrian and Bicycle Equity." 49th Urban Affairs Association Conference, Los Angeles, Calif., April 25.
- Barajas, Jesus M. 2019. "Policing and Planning: Bicycle and Pedestrian Citations in Chicago." American Planning Association National Planning Conference, San Francisco, Calif., April 14.
- Barajas, Jesus M.**, and Lindsay M. Braun. 2019. "Which Cyclists Feel Better? The Role of Gentrification and Neighborhood on Self-Reported Health." 2019 Active Living Conference, Charleston, S.C., February 20.
- Barajas, Jesus M. 2019. "The Effects of Driver Licensing Laws on Immigrant Travel." 98th Annual Meeting of the Transportation Research Board, Washington, D.C., January 15.
- Barajas, Jesus M.**, Robert Cervero, and Karen Trapenberg Frick. 2018. "Travel and Access in Transit-Oriented Affordable Housing: A Preview." (Panel Organizer: "Perspectives on Mobility Justice.") 58th Association of Collegiate Schools of Planning Annual Conference, Buffalo, N.Y., October 27.
- Barajas, Jesus M. 2018. "How Equitable Is Bikesharing? Exploring Population Characteristics and Access to Employment." 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10.
- Barajas, Jesus M.**, Kate Beck, and Jill F. Cooper. 2018. "How Effective Are Community Pedestrian Safety Training Workshops? Preliminary Findings from a Program in California." 97th Annual Meeting of the Transportation Research Board, Washington, D.C., January 9.
- Barajas, Jesus M., Kate Beck, and **Aditya Medury**. 2017. "Assessing Race and Income Disparities in Crowdsourced Bicycle Safety Data Collection." 6th International Cycling Safety Conference, Davis, Calif., September 21.
- Beck, Kate**, Aditya Medury, and Jesus M. Barajas. 2017. "Understanding Race and Income Disparities in Crowdsourced Pedestrian Safety Data." Walk21, Calgary, Alberta, Canada, September 20.

- \*Barajas, Jesus M. 2017. "Not All Crashes Are Created Equal: Associations between the Built Environment and Disparities in Bicycle Collisions." Scientists for Cycling Colloquium, Arnhem–Nijmegen, the Netherlands, June 12.
- \*Barajas, Jesus M. 2017. "Bicycling Is Freedom: A Qualitative Analysis of Latino Immigrant Cycling Experiences." 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 11.
- \***Barajas, Jesus M.**, Asha W. Agrawal, and Daniel G. Chatman. 2017. "Immigration, Income, and Public Transit Perceptions: Findings from an Intercept Survey." 96th Annual Meeting of the Transportation Research Board, Washington, D.C., January 10.
- Barajas, Jesus M. 2016. "What Motivates Bicycling? Relative Influences of the Individual, Social, and Built Environments Among Immigrants and Non-Immigrants." (Panel Organizer: "Deepening Understandings of Transportation Equity.") 56th Association of Collegiate Schools of Planning Annual Conference, Portland, Ore., November 3.
- Bierbaum, Ariel H.**, and Jesus M. Barajas. 2016. "Assessing the Impact of Charter School Options on Household Travel Behavior in Philadelphia." (Panel Organizer: "Deepening Understandings of Transportation Equity.") 56th Association of Collegiate Schools of Planning Annual Conference, Portland, Ore., November 3.
- Barajas, Jesus M. 2016. "Relative Influences of Immigrant Perceptions and Attitudes on Travel Choice." 14th World Conference on Transport Research, Shanghai, China, July 12.
- Barajas, Jesus M. 2016. "Relative Influences of Perceptions and Attitudes on Travel Choice: Immigrant Bicycling in the San Francisco Bay Area." University of California Center on Economic Competitiveness in Transportation Conference, University of California, Riverside, Calif., February 12.
- \*Barajas, Jesus M. 2016. "Disparities in Bicycle Crash Influences among Population Groups: Initial Findings." 95th Annual Meeting of the Transportation Research Board, Washington, D.C., January 12.
- Barajas, Jesus M.**, Daniel G. Chatman, and Asha Weinstein Agrawal. 2015. "Low-Income Immigrant Travel Behavior in the San Francisco Bay Area: Findings from an Intercept Survey." 55th Association of Collegiate Schools of Planning Annual Conference, Houston, Tex., October 24.
- Barajas, Jesus M. 2015. "Travel Behavior of Low-Income Immigrant Latinos: Perceptions of Transportation Access in the Bay Area." 94th Annual Meeting of the Transportation Research Board, Washington, D.C., January 13.
- Barajas, Jesus M.**, Daniel G. Chatman, and Asha Weinstein Agrawal. 2014. "Bicycling and Access to Transit by Low-Income Immigrants." 54th Association of Collegiate Schools of Planning Annual Conference, Philadelphia, Penn., November 1.

- Barajas, Jesus M. 2014. "All Crashes are not Created Equal: Disparities in Bicycle Collisions." University of California Transportation Center Conference, Cal Poly Pomona, Pomona, Calif., April 18.
- Barajas, Jesus M. 2013. "Immigrant Bicycling in the United States: Update from the 2009 National Household Travel Survey." University of California Transportation Center Conference, UCLA, Los Angeles, Calif., March 1.
- \*Barajas, Jesus M. 2012. "Built Environment and Demographic Predictors of Bicycle Access to Transit: An Investigation in the San Francisco Bay Area." 91st Annual Meeting of the Transportation Research Board, Washington, D.C., January 24.
- \*Barajas, Jesus M. 2010. "Regional Bicycle Planning in Los Angeles County: Analysis of Bike-Transit Integration in the Metro Bicycle Transportation Strategic Plan." 89th Annual Meeting of the Transportation Research Board, Washington, D.C., January 11.
- Barajas, Jesus M. 2009. "Regional Bicycle Planning in Los Angeles County." Jack R. Widmeyer Transportation Research Conference, Cal State San Bernardino, San Bernardino, Calif., November 6.

## **TEACHING EXPERIENCE**

### *University of Illinois at Urbana–Champaign*

Cities: Planning & Urban Life (Fall 2017, 2018, 2019)

Transportation Equity (Spring 2018, 2019, 2020)

Transportation Planning Workshop (Fall 2019)

Travel Behavior Analysis (Spring 2020)

### *University of California, Berkeley*

Introduction to Planning Methods, Part 2 (Lecturer Spring 2017, Teaching assistant Spring 2015)

Transportation and Land Use Planning (Co-lecturer Fall 2016)

Introduction to Planning Methods, Part 1 (Teaching assistant Fall 2014)

Introduction to Urban and Regional Transportation Planning (Co-lecturer Summer 2014, Teaching assistant Spring 2014)

## **STUDENT SUPERVISION**

### *Master's Projects Advised*

Agustina Krapp, "Transportation Equity Criteria in Project Prioritization," University of Illinois at Urbana–Champaign, 2020. Awarded best master's project.

Manika Shrivastava, "Recommendations for Pedestrian Infrastructure along with Transit Corridors in Suburban Chicago, Pace Service Area," University of Illinois at Urbana-Champaign, 2020

Miles Churchill, "Transportation Equity in the Chicago Region," University of Illinois at Urbana-Champaign, 2019.

Ashankh Jaishankar, "System Redesign of Houston's Bus Network: A Case of Transit Equity," University of Illinois at Urbana-Champaign, 2019.

Jesse Thomas, "Urban Spaces of Dissent: Lessons from the Arab Spring," University of Illinois at Urbana-Champaign, 2019.

Sunhyeong Shin, "Low Income Job Accessibility to Silver Line Extension (SLE) Job Center, Washington DC Metro Area," University of Illinois at Urbana-Champaign, 2018.

#### *Undergraduate Projects Advised*

Maximo Pita, "Incomplete Streets in Wicker Park, Chicago, IL," University of Illinois at Urbana-Champaign, Spring 2020.

Xuezhu "Gillian" Zhao, "Smart Cities and Transportation Challenges," University of Illinois at Urbana-Champaign, Spring 2020.

Ganseree Chimeddorj, "Mapping C-U," University of Illinois at Urbana-Champaign, Spring 2019.

Seokwoo Eric Lee, "Analysis of Transit Demand Outside of Current Coverage in Austin Through Socioeconomic Characteristics," University of Illinois at Urbana-Champaign, Fall 2017.

#### **AWARDS, HONORS, AND FELLOWSHIPS**

List of teachers ranked excellent, University of Illinois at Urbana-Champaign; Fall 2019, Spring 2019, Fall 2017.

Participant, Mobility Justice Workshop, UC Davis, 2019.

Participant, ACSP Junior Faculty of Color Workshop, Harvard University, 2019.

Research Fellowship, Center for Technology, Society, and Policy, UC Berkeley, "Assessing Race and Income Disparities in Crowdsourced Safety Data Collection," \$6,000, 2017.

Charley V. Wootan Memorial Award (best dissertation in Transportation Policy and Planning), Council of University Transportation Centers, 2017.

Doctoral Completion Fellowship (\$35,500), UC Berkeley, 2015.

Rodney E. Slater award winner, Eno Future Leaders Development Conference, Washington, D.C., 2015.

Outstanding Graduate Student Instructor award, UC Berkeley, 2015.



Participant, ACSP PhD Workshop, Harvard University, 2014.

Eisenhower Graduate Fellowship (\$5,000), Federal Highway Administration, 2014.

Regents' Intern Fellowship (\$142,000), UC Berkeley, 2011.

Graduating Student Merit Award, California Planning Foundation, 2011.

Minority Student Fellowship (\$1,500), Transportation Research Board, 2010.

## **SERVICE**

### *To the Profession*

Member, Social and Economic Factors of Transportation Committee, Transportation Research Board, 2018–2020.

Reviewer, CUTC annual student awards, 2017–pres.

Co-managing Editor, *Berkeley Planning Journal*, 2012–2013.

Editorial Board Member, *Berkeley Planning Journal*, 2011–2015.

Journal Reviewer, *Growth and Change*, *Journal of Planning Education and Research*; *Journal of Planning Literature*; *Journal of Transport & Health*; *Journal of Transport and Land Use*; *Journal of Transport Geography*; *Journal of Urban Planning and Development*; *Sustainability*; *Transportation Research Interdisciplinary Perspectives*; *Transportation Research Part A: Policy and Practice*; *Transportation Research Part F: Traffic Psychology and Behaviour*; *Transportation Research Record: Journal of the Transportation Research Board*; *Travel Behavior and Society*

### *To the University*

Chair, Lectures and Events Committee, Department of Urban and Regional Planning, 2019–2020

Member, Master of Urban Planning Committee, 2019–2020

Data Science Curriculum Task Force, Department of Urban and Regional Planning, 2018–2019

Diversity and Inclusion Curriculum Review Committee, Department of City and Regional Planning, UC Berkeley, 2016

## **PROFESSIONAL EXPERIENCE**

Associate Program Manager, Transportation Data Services, NAVTEQ, 2008–2011

Data Quality Analyst, NAVTEQ/Traffic.com, 2007–2008

Information Technology Officer, United States Air Force, 2003–2007