

Curriculum Vitae

Matthew M. Young

Syracuse University
Maxwell School of Citizenship and Public Affairs
Department of Public Administration and International Affairs
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APPOINTMENTS AND AFFILIATIONS

- 2017-Present Assistant Professor of Public Administration and International Affairs
Maxwell School of Citizenship and Public Affairs, Syracuse University
- 2020-Present Fellow
Governance of AI Research Group, <http://governanceofai.org/>
- 2019-Present Senior Research Fellow
Autonomous Systems Policy Institute, Syracuse University
- 2017-Present Senior Research Fellow
Campbell Public Affairs Institute, Syracuse University

EDUCATION

- 2017 Ph.D. in Public Policy and Management
University of Southern California Sol Price School of Public Policy, Los Angeles, California
Dissertation: Technological Innovation in Local Government
Dissertation Committee: Juliet Musso (chair), William Resh, and Lisa Schweitzer
- 2012 Master of Public Policy
University of Southern California Sol Price School of Public Policy, Los Angeles, California
- 2002 Bachelor of Arts, Political Science
University of California, Berkeley

REFEREED JOURNAL ARTICLES

In Press and Published

Young, Matthew M. 2021. "The Impact of Technological Innovation on Service Delivery: Social Media and Smartphone Integration in a 311 System." *Public Management Review*, February, 1–25. <https://doi.org/10.1080/14719037.2021.1877794>.

Favero, Nathan, Sebastian Jilke, Julia Wolfson, Chengxin Xu, and **Matthew M. Young**.* (2021). "Messenger Effects in COVID-19 Communication: Does the Level of Government Matter?" Forthcoming at *Health Policy Open*. <https://doi.org/10.1016/j.hpopen.2020.100027>.

* - authors listed in alphabetical order.

Bullock, Justin, **Matthew M. Young**, and Yi-Fan Wang. 2020. "Artificial Intelligence, Bureaucratic Form, and Discretion in Public Service." *Information Polity* 25 (4): 491–506. <https://doi.org/10.3233/IP-200223>.

Young, Matthew M. (2020). Implementation of Digital-Era Governance: The Case of Open Data in U.S. Cities. *Public Administration Review*, 80: 305-315. DOI: 10.1111/puar.13156

Young, Matthew M., Justin B Bullock, Jesse D Lecy (2019). “Artificial Discretion as a Tool of Governance: A Framework for Understanding the Impact of Artificial Intelligence on Public Administration.” *Perspectives on Public Management and Governance*, Volume 2, Issue 4, December 2019, Pages 301–313, DOI: 10.1093/ppmgov/gvz014

Musso, Juliet, **Matthew M. Young**, and Michael Thom. (2019). “The Political Economy of Co-Production: Voluntary Police and Fire in California Cities.” *Public Management Review*, 21:4, 473-494, DOI: 10.1080/14719037.2018.1487574

Under Review

Young, Matthew M., Johannes R. Himmelreich, Justin B. Bullock, and Kyoung-Cheol Kim. “Artificial Intelligence and Administrative Evil” Resubmitted (minor revisions) at *Perspectives on Public Management and Governance (PPMG)*.

Young, Matthew M., Justin B. Bullock, Yu-Che Chen, Kyoung-Cheol Kim, and Ping Zhang. “Artificial Intelligence and Administrative Behavior” Resubmitted at *Public Administration Review*.

Young, Matthew M., Hsini Huang, Justin B. Bullock, and Don-Yun Chen. “AI and Automation Bias in the Public Sector” Under review at *Public Management Review*.

Young, Matthew M., Mallory Compton, Justin B. Bullock, and Robert Greer. “Administrative Errors and Improper Payments” Under review at *Journal of Public Administration Research and Theory (JPART)*.

Young, Matthew M., Johannes Himmelreich, Sucheta Soundarajan, and Danylo Honcharov. “The Right Tool for The Job? Assessing the Use of Artificial Intelligence for Identifying Administrative Errors” Under review (double blind) at *The 22nd Annual International Conference on Digital Government Research*.

Huang, Hsini, Kyoung-Cheol Kim, Justin B. Bullock, and **Matthew M. Young**. “A Matter of Perspective: Differential Evaluations of AI Between Managers and Staff in an Experimental Simulation.” Under review at *Asia Pacific Journal of Public Administration*.

Le, Thai, and **Matthew M. Young**. “Recessionary Pressures and Regressive Revenue Sources: Race-driven Finance Disparities in California 2001-2016.” Under review at *Urban Studies*.

Articles in Preparation

Young, Matthew M., Peter Mawhorter, and Sucheta Soundarajan. “Machine Learning and Street-Level Discretion: Representative Bureaucracy Meets Artificial Intelligence.” Paper under preparation for submission to *Journal of Public Administration Research and Theory (JPART)*.

Compton, Mallory, **Matthew M. Young**, Justin B. Bullock, and Robert Greer. “Bureaucratic Errors and Diversity: Can technology mitigate adverse administrative outcomes for clientele of color?” In preparation for the *2021 Midwestern Political Science Association Annual Conference*.

Young, Matthew M., Juliet Musso, and Raphael Bostic. “Contracting, Coproducing, Coping? the Great Recession’s Impact on Municipal Service Provision Strategies in California” Paper under preparation for submission to *Journal of Policy Analysis and Management*.

Rao, Manita, **Matthew M. Young**, and Juliet Musso. “Resist, Recover, Renew: Local Government Fiscal Resilience and the Great Recession.” Paper under preparation for submission to *Public Administration Review*.

EDITED VOLUMES AND BOOK CHAPTERS IN THOSE VOLUMES

Volumes Under Contract

Bullock, Justin B., **Matthew M. Young**, Yu-Che Chen, Valerie M. Hudson, Anton Korinek, Baobao Zhang, and Johannes R. Himmelreich (editors) (est. 2022), *Oxford Handbook of AI Governance*, Oxford, United Kingdom: Oxford University Press

Peer-reviewed Book Chapters

Huang, Hsini, , **Matthew M. Young**, Justin B. Bullock, and Kyoung-Cheol Kim. “Managing the Risks of AI Governance for Governments.” In preparation for the *Oxford Handbook of AI Governance*.

PROFESSIONAL AND INDUSTRY REPORTS

Bullock, Justin B., and **Matthew M. Young**. “Risk Management in the Artificial Intelligence Era: Navigating the Opportunities and Threats of Artificial Intelligence.” *IBM Center for the Business of Government*.

ACTIVE RESEARCH COLLABORATIONS

Experimental Project on Public Administrator’s Acceptance of Artificial Discretion.
with Yu-Che Chen, Justin Bullock, and Kyoung-Cheol Kim.

Experimental Research on Public Administrators’ Attitudes Towards Artificial Discretion.
with Hsini Huang, Don-Yun Chen, and Justin B. Bullock.

Identifying, Predicting, and Preventing Administrative Errors.
with Justin B. Bullock, Mallory Compton, Robert Greer, Johannes Himmelreich,
and Sucheta Soundarajan.

GRANTS AND FUNDED RESEARCH

2020 PI, “AI and Administrative Error: The Practice and Ethics of AI Decision-Making in the Public Sector” Collaboration for Unprecedented Success and Excellence (CUSE) Grant Program, Syracuse University, \$28,000

2019 Co-PI, “Risk Management in the Artificial Intelligence Era: Navigating the Opportunities and Threats of AI to Public Sector Risk Management in the 21st Century.”
IBM Center for the Business of Government, \$20,000

2018 Co-PI, “Comparative Institutional Analysis of Pay-for-Success Housing Programs.”
Sol Price Center for Social Innovation, \$19,500

2018 PI, “Use of City Open Data by Third Parties Longitudinal Dataset Project.”
Appleby-Mosher Fund, Maxwell School of Citizenship and Public Affairs, \$1,200

AWARDS AND FELLOWSHIPS

2016-2017 Dissertation Completion Fellowship, University of Southern California

2013 Outstanding Achievement Award, USC Price School of Public Policy

2012-2016 Price School Ph.D. Fellowship, USC Price School of Public Policy

2010-2012 Dean’s Merit Scholar, USC Price School of Public Policy

PROFESSIONAL PRESENTATIONS

Invited Talks, Panels, and Seminars

AI and Automation Bias in the Public Sector. Prepared with Hsini Huang, Justin Bullock, and Don-Yun Chen (co-authors) for an invited talk at the Lee Kuan Yew School of Public Policy. Singapore: December 2020.

Artificial Intelligence and Administrative Behavior. Prepared with Justin Bullock, Yu-Che Chen, Kyoung-Cheol Kim, and Ping Zhang for an invited talk at the Public Administration Review Symposium “Decision-Making in Public Organizations: The Continued Relevance of ‘Administrative Behavior.’” Oxford, United Kingdom: December 2020.

AI and Automation Bias in the Public Sector. Prepared with Hsini Huang, Justin Bullock, and Don-Yun Chen (co-authors) for an invited talk at the Korean Development Institute (KDI) Second Annual Experimental Lab for Public Management Research Symposium. Seoul, Republic of Korea: December 2020.

Risk Management in the Artificial Intelligence Era: Navigating the Opportunities and Threats of Artificial Intelligence. Prepared with Justin B. Bullock (co-author) for an invited talk at the Association for Federal Enterprise Risk Management, Washington, D.C.: July 2020.

The Interplay of Human and Artificial Discretion: Experimental Evidence from Taiwan. Prepared with Hsini Huang, Justin Bullock, and Don-Yun Chen (co-authors) for an invited talk at the Korean Development Institute (KDI) Experimental Lab for Public Management Research Symposium. Seoul, Republic of Korea: December 2019.

Digital and Analytic Literacy to Bridge the Data Skills Gap. Panel at the National Association of Schools of Public Affairs and Administration (NASPAA) Annual Conference. Los Angeles, CA: October 2019.

Teaching Data Analytics in PA Programs. Panel at the National Association of Schools of Public Affairs and Administration (NASPAA) Annual Conference. Los Angeles, CA: October 2019.

Big Data and Organizational Performance. Government of India Executive Training, Maxwell School of Citizenship and Public Affairs. Syracuse, NY: November 2018.

Big Data and Organizational Performance. Shenzhen Executive Training, Maxwell School of Citizenship and Public Affairs. Syracuse, NY: July 2018.

Big Data and Organizational Performance. Shenzhen Executive Training, Maxwell School of Citizenship and Public Affairs. Syracuse, NY: October 2017.

Accepted Conference Presentations

The Right Tool for The Job? Assessing the Use of Artificial Intelligence for Identifying Administrative Errors. Prepared with Johannes Himmelreich, Sucheta Soundarajan, and Danylo Honcharov (co-authors) for the Association for Public Policy Analysis and Management (APPAM) annual conference (online event): November 2020.

Administrative Errors and Improper Payments. Presented by Justin B. Bullock and prepared with Mallory Compton and Robert Greer (co-authors) for the Association for Public Policy Analysis and Management (APPAM) annual conference (online event): November 2020.

Contracting, Coproducing, Coping? The Great Recession's Impact on Municipal Service Provision Strategies in California. Prepared with Juliet Musso and Raphael Bostic (co-authors) for the Midwest Political Science Association (MPSA) annual conference. Chicago, IL: April 2020.

Megaphone or Mute Button? An Experiment to Test the Equity Implications of Representative Bureaucracy for Machine Learning. Prepared with Peter Mawhorter (co-author) for the Association for Public Policy Analysis and Management (APPAM) annual conference. Denver, CO: November 2019.

Contracting, Coproducing, Coping? The Great Recession's Impact on Municipal Service Provision Strategies in California. Prepared with Juliet Musso and Raphael Bostic (co-authors) for the Association for Public Policy Analysis and Management (APPAM) annual conference. Denver, CO: November 2019.

Going Private: The Implications of Contracting Out for Big Data Analytics. Prepared with Alfred Ho (co-author) for the European Urban Research Association (EURA) and Urban Affairs Association (UAA) joint City Futures conference. Dublin, Republic of Ireland: June 2019.

Recessionary Pressures and Regressive Revenue Sources: Race-driven Finance Disparities in California 2001-2016. Presented by Thai Le (co-author) for the National Academy of Public Administration (NAPA) Social Equity Leadership Conference. Newark, NJ: June 2019.

Contracting, Coproducing, Coping? The Great Recession's Impact on Municipal Service Provision Strategies in California. Prepared with Juliet Musso (co-author) and Raphael Bostic (co-author) for the International Institute of Administrative Sciences' (IIAS) Study Group on 'Coproduction of Public Services' annual conference. Leuven, Belgium: May 2019.

Megaphone or Mute Button? An Experiment to Test the Equity Implications of Representative Bureaucracy for Machine Learning. Prepared with Peter Mawhorter (co-author) for the Midwest Political Science Association (MPSA) annual conference. Chicago, IL: April 2019.

Resist, Recover, Renew: Local Government Fiscal Resilience and the Great Recession. Presented by Manita Rao (co-author) for the Association for Public Policy Analysis and Management (APPAM) annual conference. Washington, DC: November 2018.

Recessionary Pressures and Regressive Revenue Sources: Race-driven Finance Disparities in California 2001-2016. Presented by Thai Le (co-author) for the Urban Affairs Association (UAA) annual conference. Washington, DC: November 2018.

Megaphone or Mute Button? An Experiment to Test the Equity Implications of Representative Bureaucracy for Machine Learning. Prepared with Peter Mawhorter (co-author) for the International Research Society for Public Management (IRSPM) annual conference. Edinburgh, Scotland: April 2018.

Resist, Recover, Renew: Local Government Fiscal Resilience and the Great Recession. Presented by Manita Rao (co-author) for the Urban Affairs Association (UAA) annual conference. Toronto, ON: April 2018.

Recessionary Pressures and Regressive Revenue Sources: Race-driven Finance Disparities in California 2001-2016. Presented by Thai Le (co-author) for the Urban Affairs Association (UAA) annual conference. Washington, DC: November 2018.

Big Data in Little Government: The Benefits and Risks of Open Data Adoption for Cities. Prepared for the 2017 Association for Public Policy Analysis and Management (APPAM) annual conference. Chicago, IL: November 2017.

Implementation of Digital-Era Governance: The Case of Open Data in US Cities. Prepared for the Public Management Research Association (PMRA) annual conference. Washington, DC: June 2017.

Performance Management and Open Data: Positive or Negative Feedback Loop? Presented by Robert Jackman (co-author) for the Public Management Research Association (PMRA) annual conference. Washington, DC: June 2017.

Implementation of Digital-Era Governance: The Case of Open Data in US Cities. Prepared for the Association for Public Policy Analysis and Management (APPAM) annual conference. Washington, DC: November 2016.

The Medium is the Message: Technological Innovation in Municipal Coproduction Systems. Prepared for the Association for Public Policy Analysis and Management (APPAM) annual conference. Miami, FL: November 2015.

The Medium is the Message: Technological Innovation in Municipal Coproduction Systems. Prepared for the Public Management Research Association (PMRA) annual conference. Minneapolis, MN: June 2015.

The Influence of State-level Institutions on Municipal Investment in Economic Development. Prepared for the Association for Public Policy Analysis and Management (APPAM) annual conference. Albuquerque, NM: November 2014.

The Political Activities of Community Representing Organizations. Prepared with Juliet Musso and Chris Weare (co-authors) for the Association for Public Policy Analysis and Management (APPAM) annual conference. Washington, DC: November 2013.

The Political Activities of Community Representing Organizations. Prepared with Juliet Musso and Chris Weare (co-authors) for the Urban Affairs Association (UAA) annual conference. San Francisco, CA: April 2013.

TEACHING EXPERIENCE

Instructor of Record

Data-driven Decision Making (Maxwell School Master of Public Administration Program)

Technological Innovation in the Public Sector (Maxwell School Master of Public Administration Program)

Public Organizations and Management (Maxwell School Master of Public Administration Program)

Program Evaluation (online) (USC Price School Master of Public Administration Program)

Teaching Assistant

Policy Practicum (USC Price School Master of Public Policy Program)

Program Evaluation (online) (USC Price School Master of Public Administration Program)

Statistics Bootcamp (USC Price School Master of Public Policy Program)

International Relations (Foothill College Department of Business and Social Science)

Political Theory (Foothill College Department of Business and Social Science)

Guest Lectures

Megaphone or Mute Button? An Experiment to Test the Equity Implications of Representative Bureaucracy for Machine Learning. Given for the Smart Cities Class, Maxwell School Policy Studies Undergraduate Program. Syracuse, NY: April 2019.

What is Public Administration? Given for the MPA Class of 2019 Colloquium, Maxwell School Master of Public Administration Program. Syracuse, NY: July 2018.

Technology and Change in Public Service. Given for the Leadership and Public Policy Class, Maxwell School Master of Public Administration Program. Syracuse, NY: June 2018.

Principles of Project Management. Given for the Policy Practicum Class, USC Master of Public Policy Program. Los Angeles, CA: November 2015.

Big Data in the Public Sector. Given for the Public Policy and Management, USC Undergraduate Policy, Planning, and Development Program. Los Angeles, CA: November 2014.

SERVICE TO UNIVERSITY

Syracuse University Maxwell School of Citizenship and Public Affairs PAIA Department

2018-2019 Member, PAIA Data Analytics Certificate Working Group

2018 Member, PAIA Hiring Committee

2017-Present Member, PAIA Management Coursework Committee

2017-2018 Member, PAIA Minnowbrook 50th Anniversary Committee

Syracuse University Maxwell School of Citizenship

2019-Present Chair, Moynihan Institute Junior Faculty Research Development Workshop

2019 Chair, History Department Dissertation Defense for Kishauna Soljour

2018-2019 Co-chair, Moynihan Institute Junior Faculty Research Development Workshop

USC Price School of Public Policy

2015-2016 Vice President, Price PhD Student Association

2011-2012 Social Ambassador, Graduate Policy and Administration Community

SERVICE TO THE ACADEMY

2021 Member, Program Committee, 22nd Annual International Conference on Digital Government Research (DG.O)

2020-Present Ad-hoc Reviewer, Public Management Review

2019-2020 Mentor, Association for Public Policy Analysis and Management Underrepresented Graduate Student Mentoring Program

2019-Present Ad-hoc Reviewer, Journal of Public Administration Research and Theory (JPART)

2018 Participant, Association for Public Policy Analysis and Management Policy Camp

2018-Present Ad-hoc Reviewer, Public Administration Review (PAR)

2018-Present Ad-hoc Reviewer, Academy of Management, Public and Nonprofit Section

2018-Present Ad-hoc Reviewer, Journal of Policy Design and Practice

2016-Present Ad-hoc Reviewer, International Review of Administration Sciences

2016-2017 Member, APPAM Student Advisory Committee

2015-2017 Data Scientist, Contextual Data Resource for the Health and Retirement Survey (HRS-CDR)

PROFESSIONAL EXPERIENCE AND RELATED SKILLS

- 2007-2010 Marketing Manager
 Moore Iacofano and Goltsman (MIG), Berkeley, California
- 2003-2007 Product Manager
 L2, Inc., Palo Alto, California
- 2002-2003 Software Quality Assurance Manager
 L2, Inc., Palo Alto, California
- 1997-2000 Software Quality Assurance Engineer
 Rendition, Inc. and Micron Technologies, Inc. Santa Clara and San Jose,
 California

Software and Programming Languages

STATA, Python, SQL, ArcGIS, C#, C++