



# Northwestern Mutual Data Science Institute Affiliated Faculty Directory by Last Name

*As of Saturday, August 1, 2020*

<p><b>Cristinel Ababei, PhD</b> <a href="#">University Link</a> <i>Assistant Professor</i></p>	<p>Marquette University Department of Electrical and Computer Engineering, Opus College of Engineering</p>	<p>Embedded systems, computer architecture, IoT</p>
<p><b>Iqbal Ahamed, PhD</b> <a href="#">University Link</a> <i>Professor</i></p>	<p>Marquette University Department of Computer Science, Klingler College of Arts and Sciences</p>	<p>Smartphone based healthcare, mHealth</p>
<p><b>Razia Azen, PhD</b> <a href="#">University Link</a> <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee Educational Psychology, School of Education</p>	<p>Developing methods for determining predictor importance in various linear models</p>
<p><b>Dmitri Babikov, PhD</b> <a href="#">University Link</a> <i>Professor</i></p>	<p>Marquette University Department of Chemistry, Klingler College of Arts and Sciences</p>	<p>Chemistry theoretical computational quantum computing science molecular physics modelling</p>
<p><b>Naveen Bansal, PhD</b> <a href="#">University Link</a> <i>Professor and Director of the Office of the Statistical Consulting</i></p>	<p>Marquette University Department of Mathematical and Statistical Sciences, Klingler College of Arts and Sciences</p>	<p>Big data analysis using tools of statistical learning</p>
<p><b>Jay H. Beder, PhD</b> <a href="#">University Link</a> <i>Professor</i></p>	<p>University of Wisconsin Milwaukee Department of Mathematical Sciences, College of Letters &amp; Science</p>	<p>Inference for Gaussian processes, statistical design theory</p>
<p><b>Edward Blumenthal, PhD</b> <a href="#">University Link</a> <i>Associate Professor, Associate Dean for Research and Graduate Affairs, Interim Co-Director, Northwestern Mutual Data Science Institute</i></p>	<p>Marquette University Department of Biological Sciences, Klingler College of Arts &amp; Sciences</p>	<p>Epithelial barrier development</p>
<p><b>Suzanne Lynch Boyd, PhD</b> <a href="#">University Link</a> <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee Department of Mathematical Sciences, College of Letters &amp; Science</p>	<p>Complex dynamical systems</p>

<p><b>Serdar Bozdag, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Computer Science,  Klingler College of Arts and Sciences</p>	<p>Develop data mining tools to analyze complex biological datasets</p>
<p><b>Vytaras Brazauskas, PhD, ASA</b>  <a href="#">University Link</a>  <i>Professor and Associate Chair for Actuarial Science</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences,  College of Letters &amp; Science</p>	<p>Actuarial science; general insurance; quantitative risk management; robust statistics</p>
<p><b>Avik Chakrabarti, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Economics, College of Letters &amp; Science</p>	<p>Data Science, Applied Econometrics, International Economics, Industrial Organization, Co-Creation</p>
<p><b>Woonsup Choi, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Geography, College of Letters &amp; Science</p>	<p>Analysis of hydrological, climatological, and other geographical data</p>
<p><b>Peter Dunn</b>  <a href="#">University Link</a>  <i>Distinguished Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Biological Sciences,  College of Letters &amp; Science</p>	<p>Avian genomics, evolution and conservation</p>
<p><b>Clark Evans, PhD</b>  <a href="#">University Link</a>  <i>Associate Chair for Atmospheric Science, Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences, Atmospheric Science, College of Letters &amp; Science</p>	<p>I specialize in high-impact weather prediction and fundamental understanding</p>
<p><b>Tony Gamble, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Biological Sciences,  Klingler College of Arts and Sciences</p>	<p>Genome evolution and the origins of biological diversity</p>
<p><b>Jonah Gaster, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences,  College of Letters &amp; Sciences</p>	<p>Geometric topology, geometric group theory, hyperbolic geometry</p>
<p><b>Donna G Genzmer, GISP</b>  <a href="#">University Link</a>  <i>Director of Cartography &amp; GIS Center</i></p>	<p>University of Wisconsin Milwaukee  Department of Geography, College of Letters &amp; Science</p>	<p>GIS implementation in academic research and instruction, outreach, and collaboration</p>
<p><b>Daniel Gervini, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences,  College of Letters &amp; Science</p>	<p>Statistician</p>

<p><b>Sanjoy Ghose, PhD</b>  <a href="#">University Link</a>  <i>Professor of Marketing</i></p>	<p>University of Wisconsin Milwaukee  Lubar School of Business</p>	<p>Marketing analytics</p>
<p><b>Rina Ghose, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Geography, College of Letters &amp; Science</p>	<p>Georeferenced data, GIS and remote sensing, crowdsourced data, social media, Internet of Things</p>
<p><b>Stephen J. Guastello, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>Marquette University  Department of Psychology, Klingler College of Arts and Sciences</p>	<p>Nonlinear dynamics, time series analysis</p>
<p><b>Shion Guha, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Computer Science, Klingler College of Arts and Sciences</p>	<p>Algorithmic ethics, computational social science, social computing, machine learning</p>
<p><b>Shengtong Han, PhD</b>  <a href="#">University Link</a>  <i>Visiting assistant professor</i></p>	<p>University of Wisconsin Milwaukee  Zilber School of Public Health</p>	<p>Machine learning; Statistical genetics; Computational Biology and Bioinformatics</p>
<p><b>Thomas M. Holbrook, PhD</b>  <a href="#">University Link</a>  <i>Distinguished Professor and Wilder Crane Professor of Government</i></p>	<p>University of Wisconsin Milwaukee  Department of Political Science, College of Letters &amp; Science</p>	<p>Presidential elections, public opinion, local elections</p>
<p><b>Sandra Hunter, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>Marquette University  Department of Physical Therapy, College of Health Sciences</p>	<p>Age and sex differences in exercise performance, muscle fatigue and with diabetes</p>
<p><b>Nicholas Jolly, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  College of Business, Department of Economics</p>	<p>Applied microeconomics focusing on labor economics, health, and sports</p>
<p><b>Thomas Kaczmarek, PhD</b>  <a href="#">University Link</a>  <i>Director of Center for Cyber Security Awareness and Cyber Defense</i></p>	<p>Marquette University  Department of Computer Science, Klingler College of Arts and Sciences</p>	<p>Data Science application to cybersecurity operations (SIEM/UEBA/SOAR)</p>
<p><b>Rohit J. Kate, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Computer Science, Opus College of Engineering &amp; Applied Science</p>	<p>Applying machine learning and natural language processing for biomedical applications</p>
<p><b>Margaret Kipp, PhD, MLIS</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  School of Information Studies</p>	<p>Social tagging, metadata, and linked data</p>

<b>Kristof Kipp, PhD, CSCS</b> <a href="#">University Link</a> <i>Associate Professor</i>	Marquette University Department of Physical Therapy, College of Health Sciences	Faster, higher, stronger through sports science, technology, and analytics
<b>Lynne Knobloch-Fedders, PhD</b> <a href="#">University Link</a> <i>Assistant Professor</i>	Marquette University Counselor Education and Counseling Psychology, College of Education	Mental health, relationship processes, and intervention with couples and families
<b>Sergey Kravtsov, PhD</b> <a href="#">University Link</a> <i>Professor</i>	University of Wisconsin Milwaukee Department of Mathematical Sciences, College of Letters & Science	Weather and climate
<b>Joseph A. LaManna, PhD</b> <a href="#">University Link</a> <i>Assistant Professor</i>	Marquette University Department of Biological Sciences, Klinger College of Arts & Sciences	Community and Population Ecology
<b>Emily K. Latch, PhD</b> <a href="#">University Link</a> <i>Associate Professor</i>	University of Wisconsin Milwaukee Department of Biological Sciences, School of Letters & Science	Genomics for wildlife conservation and management
<b>Jake Luo, PhD</b> <a href="#">University Link</a> <i>Associate Professor, Director for Center  of Health System Solutions</i>	University of Wisconsin Milwaukee Department of Health Informatics and Administration, College of Health Sciences	Health Data Science and Health Informatics that Empower Clinicians and Patients
<b>Mehdi Maadooliat, PhD</b> <a href="#">University Link</a> <i>Assistant Professor</i>	Marquette University Department of Mathematical and Statistical Sciences, Klingler College of Arts and Sciences	Statistical machine learning, bioinformatics, functional data analysis and skewed distributions
<b>Praveen Madiraju, PhD</b> <a href="#">University Link</a> <i>Associate Professor</i>	Marquette University Department of Computer Science, Klingler College of Arts and Sciences	Data science and social media text analysis
<b>Amol D. Mali, B.E., M. Tech., PhD</b> <a href="#">University Link</a> <i>Associate Professor</i>	University of Wisconsin Milwaukee Department of Computer Science, Opus College of Engineering & Applied Science	Artificial intelligence, data science, and Internet of Things (IoT)
<b>John Mantsch, PhD</b> <a href="#">University Link</a> <i>Professor and Chair</i>	Marquette University College of Health Science, Department of Biomedical Sciences	Neurobiology of stress and addiction

<p><b>Andrew G. Meyer, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Economics, College of  Business Administration</p>	<p>Empirical environmental,  education, and behavioral  economics</p>
<p><b>Xiangming (Simon) Mu, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  School of Information Studies</p>	<p>Information retrieval, business  information, data mining, machine  learning, knowledge management</p>
<p><b>Kali Murray, JD, MA</b>  <a href="#">University Link</a>  <i>Professor of Law</i></p>	<p>Marquette University  Marquette University Law School</p>	<p>Studying infrastructures, the  government provision of large-  scale data</p>
<p><b>Terence Ow, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Management, College of  Business Administration</p>	<p>Knowledge sharing in online  community, natural language  processing, healthcare analytics</p>
<p><b>Paula Papanek, PhD, MPT, LAT/C, FACSM</b>  <a href="#">University Link</a>  <i>Associate Professor, Director of Exercise  Science, Director of Graduate Studies</i></p>	<p>Marquette University  Department of Exercise Science, College  of Health Sciences</p>	<p>Human performance physiology</p>
<p><b>Purush Papatla, PhD</b>  <a href="#">University Link</a>  <i>Northwestern Mutual Data Science  Institute Professor of Marketing &amp; Co-  Director, Northwestern Mutual Data  Science Institute</i></p>	<p>University of Wisconsin Milwaukee  Department of Marketing, Lubar School  of Business</p>	<p>Using Big Data to decode human  and consumer behavior</p>
<p><b>Min Sook Park, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>University of Wisconsin Milwaukee  School of Information Studies</p>	<p>Semantic network, health  informatics, text mining</p>
<p><b>Anthony Parolari, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Civil, Construction, and  Environmental Engineering, Opus  College of Engineering</p>	<p>Dynamics of ecohydrological  systems</p>
<p><b>Matt Petering, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Industrial and  Manufacturing Engineering, Opus  College of Engineering &amp; Applied  Sciences</p>	<p>Automatically acting on data in  real time to boost productivity</p>
<p><b>Lisa N Petrella, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Biological Sciences,  Klingler College of Arts and Sciences</p>	<p>Analysis of genomic datasets to  understand development</p>

<p><b>Jim Pokrywczynski, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor of Strategic Communication</i></p>	<p>Marquette University  Diederich College of Communication</p>	<p>Sports marketing analytics</p>
<p><b>Richard J. Povinelli, PhD, P.E.</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Electrical and Computer Engineering, Opus College of Engineering</p>	<p>Machine learning and data mining, signal processing, dynamical systems and chaos</p>
<p><b>Satish Puri, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Computer Science, Klingler College of Arts and Sciences</p>	<p>Geo-spatial data science meets high performance computing</p>
<p><b>J.W. Andrew Ranson, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Social and Cultural Sciences, Klingler College of Arts &amp; Sciences</p>	<p>Communities and Crime, Social Control, Inequality</p>
<p><b>Joseph Retzer PhD</b>  <a href="#">University Link</a>  <i>Lecturer</i></p>	<p>University of Wisconsin Milwaukee  Lubar School of Business Administration</p>	<p>Application of machine Learning to supervised and unsupervised modeling</p>
<p><b>Aki Roberts, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Sociology, College of Letters &amp; Science</p>	<p>Crime, police, NIBRS, Japan, criminal justice</p>
<p><b>Paul Roebber, PhD</b>  <a href="#">University Link</a>  <i>Distinguished Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences, College of Letters &amp; Science</p>	<p>Extracting understanding from data using machine learning tools</p>
<p><b>Laura Steil Roehl</b>   <i>Lecturer</i></p>	<p>University of Wisconsin Milwaukee  Lubar School of Business</p>	<p>Pricing and consumer behavior specialist</p>
<p><b>Daniel B. Rowe, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>Marquette University  Department of Mathematics and Statistical Sciences, Klingler College of Arts and Sciences</p>	<p>Statistics and the science of data</p>
<p><b>Jeanne-Nicole Mellon Saint-Laurent, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>Marquette University  Department of Theology, Klingler College of Arts and Sciences</p>	<p>Syriac, digital humanites, early Christianity, late antiquity</p>
<p><b>Mark D. Schwartz, PhD</b>  <a href="#">University Link</a>  <i>Distinguished Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Geography, College of Letters &amp; Science</p>	<p>Plant-climate interactions during the onset of spring and autumn</p>

<p><b>Andrew Smyth</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Economics, College of  Business Administration</p>	<p>Economics of innovation</p>
<p><b>Aleksandra J. Snowden, PhD</b>  <a href="#">University Link</a>  <i>Assistant Professor</i></p>	<p>Marquette University  Department of Social and Cultural  Sciences, Klingler College of Arts and  Sciences</p>	<p>Crime mapping, crime analysis, GIS</p>
<p><b>David A. Spade, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences,  College of Letters &amp; Science</p>	<p>Statistical Genomics, Markov  Chain Monte Carlo, Bioinformatics,  Statistical Epidemiology</p>
<p><b>Elaine Spiller, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Mathematical and  Statistical Sciences, Klingler College of  Arts and Sciences</p>	<p>Uncertainty quantification, model  + data informed science</p>
<p><b>Darren Wheelock, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor</i></p>	<p>Marquette University  Department of Social and Cultural  Sciences, Klingler College of Arts and  Sciences</p>	<p>Criminal punishment punitive  attitudes prisoner reentry racial  and ethnic inequality</p>
<p><b>Amber Wichowsky, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor, Director Marquette  Democracy Lab</i></p>	<p>Marquette University  Department of Political Science, Klingler  College of Arts &amp; Sciences</p>	<p>Electoral behavior, public policy,  urban politics, public opinion, and  research methods</p>
<p><b>Jeb F. Willenbring, PhD</b>  <a href="#">University Link</a>  <i>Professor and Associate Chair for the  Graduate Program</i></p>	<p>University of Wisconsin Milwaukee  Department of Mathematical Sciences,  College of Letters &amp; Science</p>	<p>Representation theory</p>
<p><b>Dietmar Wolfram, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>University of Wisconsin Milwaukee  School of Information Studies</p>	<p>Information retrieval, informetrics</p>
<p><b>Changshan Wu, PhD</b>  <a href="#">University Link</a>  <i>Professor</i></p>	<p>University of Wisconsin Milwaukee  Department of Geography, College of  Letters &amp; Science</p>	<p>Remote sensing, geographic  information science, spatial data  analysis</p>
<p><b>Min Wu, PhD</b>  <a href="#">University Link</a>  <i>Associate Professor, Chair</i></p>	<p>University of Wisconsin Milwaukee  Department of Health Informatics and  Administration, College of Health  Sciences</p>	<p>Biomedical database applications,  health informatics, database design</p>

**Nasim Yahyasoltani, PhD**[University Link](#)*Northwestern Mutual Assistant Professor*

Marquette University  
Department of Computer Science,  
Klinger College of Arts and Sciences

Machine learning and AI, signal  
processing, optimization theory,  
network data analytics

**Zeyun Yu, PhD**[University Link](#)*Associate Professor*

University of Wisconsin Milwaukee  
Department of Computer Science, Opus  
College of Engineering & Applied Science

Biomedical image analysis, 3D  
graphics and visualization,  
machine learning

**Jun Zhang, Professor**[University Link](#)*Professor*

University of Wisconsin Milwaukee  
Department of Electrical Engineering  
and Computer Science, Opus College of  
Engineering & Applied Science

Machine learning, data science,  
signal processing, image  
processing and computer vision

**Chao Zhu, PhD**[University Link](#)*Professor*

University of Wisconsin Milwaukee  
Department of Mathematical Sciences,  
College of Letters & Science, College of  
Letters & Science

Applied probability, stochastic  
analysis, stochastic control

**Michael Zimmer, PhD**[University Link](#)*Associate Professor*

Marquette University  
Department of Computer Science,  
Klinger College of Arts and Sciences

Data ethics and ethical dimensions  
of social, mobile and internet  
technologies

Faculty Count: 75