DATA FOR GOOD EXCHANGE 2015

ACCEPTED SUBMISSIONS

List of authors	Title of the paper	Affiliation(s)
Alex P. Albright, Sarah M. Levine	One Size Does Not Fit All: The Shortcomings of the Mainstream Data Scientist Working for Social Good	Stanford Law School
Ariel Rokem	Building an Urban Data Science Summer Program at The University of Washington eScience Institute	The University of Washington eScience Institute
Arnaud Sahuguet, David Sangokoya	P x B + D > C: a "calculus" for Open Data	The Governance Lab at NYU
Ben Wellington	Open Data Liaisons in Government: A Means to a Participatory Democracy	Pratt Institute
Bistra Dilkina, Jordan Belknap, Caroline Foster, Sanat Moningi, Alex Beasley, Anthony Giarrusso	Helping to Preserve Atlanta's Urban Tree Canopy	Georgia Tech, Salesforce, Trees Atlanta
Catherine D'Ignazio, Rahul Bhargava	Approaches to Building Big Data Literacy	Emerson College, MIT Center for Civic Media
Christopher Tull, Constantine Kontokosta	Web-Based Visualization and Prediction of Urban Energy Use from Building Benchmarking Data	Center for Urban Science and Progress, NYU
Cody Buntain, Jennifer Golbeck, Gary LaFree	Powers and Problems of Integrating Social Media Data with Public Health and Safety	Department of Computer Science & College of Information Studies & START Center, University of Maryland
Daniel Turek, Anthony Suen, Dav Clark	Pushing Data Science Education into the Real World	UC Berkeley
David J. Klein, Matthew W. McKown, Bernie R. Tershy	Deep Learning for Large Scale Biodiversity Monitoring	Conservation Metrics
David Troy	Mapping Urban Networks as a Means for Understanding Cities	410 Labs
Emmanual Schanzer	Bootstrap: Algebraic Video Game Programming	Future Directions in Computer Science Education
Eric Potash, Joe Brew, Alexander Loewi, Subhabrata Majumdar, Andrew Reece, Joe Walsh, Eric Rozier, Emile Jorgensen, Raed Mansour, Rayid Ghani	Predictive Modeling for Public Health: Preventing Childhood Lead Poisoning	University of Chicago, University of Florida, Carnegie Mellon University, University of Minnesota, Harvard University, University of Cincinnati, Chicago Dept of Public Health
Eugenia Giraudy, Matt Burgess, Julian Katz-Samuels, Joe Walsh, Lauren Haynes	Tracing State Legislation to Its Source	University of California-Berkeley, University of Michigan, University of Chicago
Greg Bloom	An Open Data Approach to the Human Service Directory Problem	Open Referral
H. Andrew Schwartz, Maarten Sap, Johannes Eichstaedt, Raina Merchant, Lyle H. Ungar	Predicting America's Top Killers using Social Media: Toward Discovery of Novel Community Health Factors in the Language of Twitter	University of Pennsylvania, Stony Brook University, University of Washington, Hospital of the University of Pennsylvania
Hongyang Bai, Rumi Chunara, Lav R. Varshney	Social Capital Deserts: Obesity Surveillance using a Location-Based Social Network	University of Illinois at Urbana-Champaign, New York University
Hugo Gerard, Kamalesh Rao, Mark Simithraaratchy, Kush R. Varshney, Kunal Kabra, G. Paul Needham	Predictive Modeling of Customer Repayment for Sustainable Pay-As-You-Go Solar Power in Rural India	Simpa Networks

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HyukJae Henry Yoo	Climate Change through Animals, Plants, Data Science, and IoT(Internet of Things)	Pratt Institute
Jake Garcia	Data Mining in Philanthropy	Foundation Center
Jane Zanzig	Predictive Enforcement of Hazardous Waste Regulations	Data Science for Social Good, University of Chicago
Jason Whittet	How Machine 2 Machine Connectivity and Robust Data	GE Intelligent Cities
Jean-Francois Paiement, Mogeng Yin, Colin Goodall, Ann Skudlark, Chris Volinsky, Alexei Pozdnoukhov	Data Analytics for Urban Mobility Modeling and Traffic Control	AT&T Labs - Research, UC Berkeley, AVP AT&T Big Data Research
Jennifer Helsby, Talia Kaufmann, Katharina Rasch, Paul van der Boor, Eric Rozier	Blight reduction and neighborhood revitalization for the city of Cincinnati	University of Chicago, University of Cincinnati
Joe Walsh, Ellery Wulczyn, Madian Khabsa, Vrushank Vora, Matthew Heston, Chris Berry, Rayid Ghani	Identifying Earmarks in Congressional Bills	University of Chicago, Wikimedia Foundation, Microsoft Research, Northwestern University
John Krauss, Arnaud Sahuguet	"Docker" for (open)data	NYU Governance Lab
Julia Koschinsky	Data Science for Good: What Problems Fit?	Arizona State University
Julius Adebayo, Lalana Kagal, Alex "Sandy" Pentland	The Hidden Cost of Efficiency: Fairness and Discrimination in Predictive Modeling	Computer Science and Artificial Intelligence Laboratory & Electrical Engineering and Computer Science, MIT, MIT Media Lab
Justin Kosslyn	Concept: Civic Tech Exchange	New America
Klaus Ackermann, Eduardo Blancas Reyes, Sue He, Thomas Keller, Paul van der Boor, Romana Khan	Reducing Home Abandonment in Mexico	Monash University, University of Chicago, University of Virginia, UC San Diego, McKinsey & Company, Northwestern University
Kush R. Varshney	Data Science of the People, for the People, by the People: A Viewpoint on an Emerging Dichotomy	IBM
Larry S. Liebovitch, Peter T. Coleman, Beth Fisher-Yoshida, Joshua Fisher, Kyong Mazzaro, Douglas Fry, Philippe Vandenbroeck, Santiago Ortiz	Challenge Problem: Sustainable Peace	Queens College, CUNY Columbia University, University of Alabama, shiftN, Mobio Labse
Marc Aidinoff, Annie J. Wang	Implementing Public Policy Through Advances in Individual-Level Data Science	Civis Analytics
Marc DaCosta, Jeremy Krinsley, Brian Abelson	Optimizing Local Smoke Alarm Inspections with Federal Data	Enigma
Mariel Finucane, Ignacio Martinez, Scott Cody	What Works for Whom? A Bayesian Approach to Channeling Big Data Streams for Policy Analysis	Mathematica Policy Research
Masha Westerlund	A Machine Learning Framework for Predicting College Persistence	Data Science for Social Good, University of Chicago

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Matthew Hale, Alex Torpey	Understanding State Data Consortiums: A Search for Best Practices	Seton Hall University
Matthew P. Johnson, Haripriya Chakraborty	Visualizing Sexual Violence Location Data and Predicting Criminal Complaints	CUNY
Michael Borokhovich, Avhishek Chatterjee, Jason Rogers, Lav R. Varshney, Sriram Vishwanath	Improving Impact Sourcing via Efficient Global Service Delivery	The University of Texas at Austin, Samasource, University of Illinois at Urbana-Champaign
Michael Campellone, Ikkei Itoku, Mia Zhao, Anna Cianciara, Nicole Barberis	Skills-based Volunteering	Bloomberg LP
Michael Madaio, Oliver L. Haimson, Wenwen Zhang, Xiang Cheng, Matthew Hinds-Aldrich, Bistra Dilkina, Duen Horng (Polo) Chau	Identifying and Prioritizing Fire Inspections: A Case Study of Predicting Fire Risk in Atlanta	Georgia Institute of Technology, University of California, Irvine, Emory University, Atlanta Fire Rescue Department
Molly Dunn	Measuring Impact of Preschool Education	Preschool Advantage
Nandita Damaraju, Joe Minieri, Subhajit Das, Andrea McCarter	Mitigating fire risks using visual and data analysis	Georgia Tech
Nicole Anand	How the Governance Community Can Influence Decisions Using Data	Reboot
Noel A. Hidalgo, William Colegrove	21st Century Community Boards	Pratt University, Data & Society, Columbia University
Noelle Francois	Heat Seek	Heat Seek
Oliver Gunther	Combining Machine Learning and Mathematical Modeling for improved understanding and control of socio-environmental systems	Gunther Analytics
Pablo Rivas-Perea, Juan Cota-Ruiz	NERT DADS: A Near-Real-Time Dust Aerosol Detection System	Marist College, Autonomous University of Ciudad Juarez
Patrick Atwater, Eric Schmitt, Drew Atwater	Towards California water conservation impact evaluations by default: lessons of a turf removal rebate study in South Orange County	ARGO Labs, Protix Biosystems, MNWD
Paul Celicourt, Michael Piasecki	Towards a Sensor-to-End-User Ambient Data Acquisition System	The City College of New York
Peter Bull, Greg Lipstein, Isaac Slavitt	Harnessing the Power of the Crowd to Increase Capacity for Data Science in the Social Sector	DrivenData
Rashida Brown, Laura Nolan, Ian Pan, , Paul van der Boor, Romana Khan	Predicting Adverse Births in Illinois to Improve Resource Allocation for the Better Birth Outcomes Program	Data Science for Social Good, University of Chicago
Reid A. Johnson, Ruobin Gong, Siobhan Greatorex-Voith, Anushka Anand, Alan Fritzler	A Data-Driven Framework for Identifying High School Students at Risk of Not Graduating on Time	University of Notre Dame, Harvard University, Tableau Research
Sarah Burd-Sharps, Kristen Lewis, Andrew Garon	data2go.nyc	everyone counts	Measure of America, Social Science Research Council
Shubir Kapoor, Aleksandra Mojsilović, Jade Nguyen Strattner, Kush R. Varshney	From Open Data Ecosystems to Systems of Innovation: A Journey to Realize the Promise of Open Data	IBM

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Sophie Chou	Race and the Machine: Re-examining Race and Ethnicity in Data Mining	MIT Media Lab
Sundeep Pattem	Saving Billions in U.S. Healthcare: Clues from Medicare Drug Prescription Data	Independent
Talia Kaufmann, Erez Shmueli	Quantitative Land Use Planning	MIT, Tel-Aviv University
Tanya Y. Berger-Wolf, Daniel I. Rubenstein, Charles V. Stewart, Jason Holmberg, Jason Parham, Jonathan Crall	IBEIS: Image-Based Ecological Information System: from Pixels to Science and Conservation	University of Illinois at Chicago, Princeton University, Rensselaer Polytechnic Institute, WildMe.org, Rensselaer Polytechnic Institute
Tiffani Ashley Bell	Utility Data for Social Good at the Detroit Water Project	Detroit Water Project
Varun Adibhatla, Graham Henke, Patrick Atwater	Street Quality Identification Device (SQUID)	ARGO Labs
Yuri Gorokhovich, Susan Olsen, Mary Gray	Implementation of Geospatial Technology in Woodlawn Cemetery, the Bronx	CUNY, Woodlawn Cemetery