

DSPG 2019 young scholars

FELLOWS

NAME	EMAIL	UNIVERSITY	MAJOR
Cong Cong	cc2cm@virginia.edu	University of Illinois at Urbana-Champaign	Urban and Regional Planning
Alyssa Fowers	af5ug@virginia.edu	University of Miami	Interactive Media: Data Visualization
Quinton Neville	qn6au@virginia.edu	Columbia University	Biostatistics
Allegra Pocinki	ap3xx@virginia.edu	Rutgers	Sociology
Kateryna Savchyn	ks6pn@virginia.edu	Georgetown University	Mathematics & Statistics

INTERNS

NAME	EMAIL	UNIVERSITY	MAJOR
Victoria Halewicz	vh5dg@virginia.edu	University of Illinois at Urbana-Champaign	Psychology
Calvin Isch	ci3uz@virginia.edu	Indiana University	Cognitive Science
Jessica Keast	jk9ra@virginia.edu	Smith College	Statistical & Data Sciences
Sarah McDonald	sm9dv@virginia.edu	Marymount University	Mathematics & Economics
Sean Pietrowicz	sp3sd@virginia.edu	University of Notre Dame	Applied & Computational Mathematics & Statistics
Raghav Sawhney	rs7te@virginia.edu	Virginia Tech	Computational Modeling & Data Analytics
Eliza Tobin	ent4pn@virginia.edu	University of Virginia	Leadership & Public Policy

DATA SCIENCE FOR THE PUBLIC GOOD FORUM

The Data Science for the Public Good Forum is a partnership among the University of Virginia's Biocomplexity Institute, Darden School of Business, and Data Science Institute as well as the Northern Virginia Technology Council. The Data Science for the Public Good (DSPG) Forum is an opportunity for civic engagement, and is comprised of a Distinguished Speaker Series and Annual Symposium.

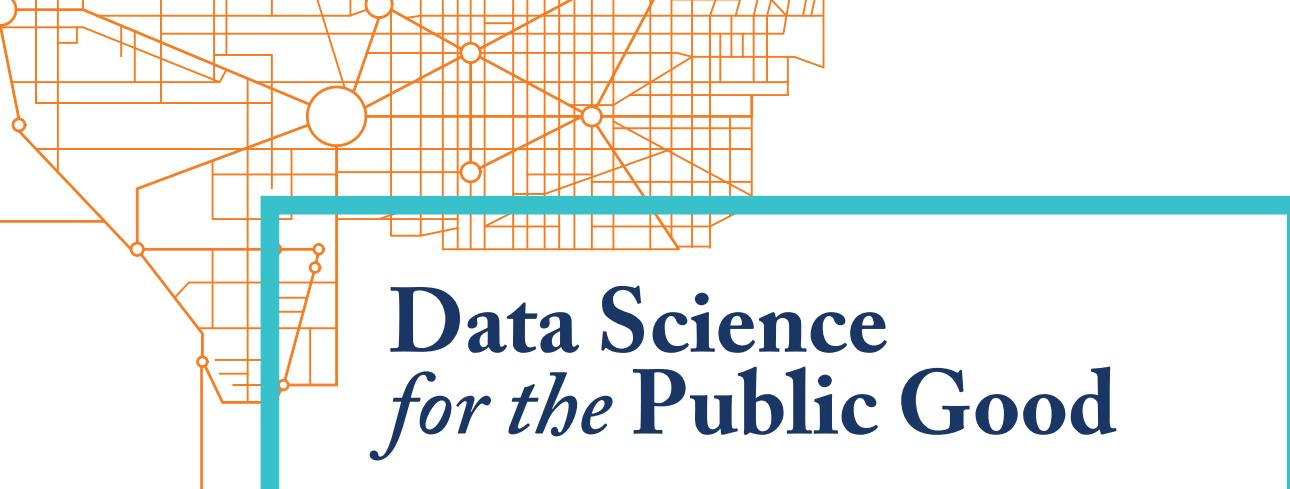


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DSPG FORUM SPONSORS

Thank you to our sponsors for their support! It's through their generous contributions that we're able to deliver these Forum events as we continue to foster civic engagement and future discussions on the importance of doing data science to enhance the quality of life where we all live, learn, work, and play.



Data Science for the Public Good

2019 SYMPOSIUM

agenda

1:00 - 4:30 PM • AUGUST 9, 2019

1:00PM • WELCOME & INTRODUCTIONS

Sallie Keller • Director, Social and Decision Analytics Division (SDAD), Biocomplexity Institute and Professor of Public Health Sciences, University of Virginia

1:15PM • KEYNOTE SPEAKERS & DISCUSSIONS

Ron Jarmin • Deputy Director and Chief Operating Officer of the U.S. Census Bureau

Phil Bourne • Director of the University of Virginia's Data Science Institute and Acting Dean of the School of Data Science

2:15PM • SPEED SESSION

Data Science for the Public Good young scholars and UVA researchers promote their projects and findings.

2:45PM • POSTER SESSION & NETWORKING RECEPTION

Meet and greet with researchers and learn more about their research projects.



DSPG research posters

1

SKILLED TECHNICAL WORKFORCE: DEMAND, SUPPLY, AND PATHWAYS

DSPG: Alyssa Fowers, Calvin Isch, and Sarah McDonald
SDAD Mentors: Vicki Lancaster and Samantha Cohen
Sponsor: John Finamore, NCSES*

2

MEASURING THE UNIVERSE OF OPEN SOURCE SOFTWARE

DSPG: Cong Cong, Calvin Isch, and Eliza Tobin
SDAD Mentors: Gizem Korkmaz, J Bayoán Santiago Calderón, Aaron Schroeder, and Brandon Kramer
Sponsor: Carol Robbins, NCSES*

3

DETECTING PHARMACEUTICAL INNOVATIONS IN NEWS ARTICLES USING MACHINE LEARNING

DSPG: Quinton Neville and Raghav Sawhney
SDAD Mentors: Devika Nair, Gizem Korkmaz, and Thomas Neil Alexander Kattampallil
Sponsor: Gary Anderson, NCSES*

4

MEASURING THE PUBLIC FUNDING OF R&D: A FEASIBILITY STUDY

DSPG: Alyssa Fowers and Sean Pietrowicz
SDAD Mentors: Joel Thurston, Samantha Cohen, and Stephanie Shipp
Sponsor: John Jankowski, Chris Pece, Gary Anderson, Audrey Kindlon, NCSES*

5

BROADBAND DATA VALIDATION: COMPARING U.S. BROADBAND COVERAGE

DSPG: Kateryna Savchyn, Sarah McDonald, and Raghav Sawhney
SDAD Mentors: Teja Pristavec, Josh Goldstein, and Stephanie Shipp
Sponsor: John Pender, Peter Hahn, Zachary Keeler, USDA Economic Research Service

6

FAIRFAX COUNTY COMMUNITYSCAPE: ECONOMIC VULNERABILITY

DSPG: Cong Cong, Quinton Neville, Eliza Tobin, and Victoria Halewicz
SDAD Mentors: Teja Pristavec, Joy Tobin, Stephanie Shipp, Vicki Lancaster, Josh Goldstein, and Brandon Kramer
Sponsor: Michelle Gregory and Sophia Dutton, Fairfax County Health and Human Services; Kathi Huddleston, Sahel Hazrati, and Grace Lawrence, Inova Translational Medicine Institute

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FAIRFAX COUNTY COMMUNITYSCAPE: OBESOGENIC ENVIRONMENTS

DSPG: Cong Cong, Quinton Neville, Eliza Tobin, and Victoria Halewicz
SDAD Mentors: Teja Pristavec, Joy Tobin, Josh Goldstein, and Brandon Kramer
Sponsor: Michelle Gregory and Sophia Dutton, Fairfax County Health and Human Services; Kathi Huddleston, Sahel Hazrati, and Grace Lawrence, Inova Translational Medicine Institute

8

MEASURING COMMUNITY EMBEDDEDNESS NEAR ARMY INSTALLATIONS: A FEASIBILITY STUDY

DSPG: Jessica Keast, Sean Pietrowicz, and Allegra Pocinki
SDAD Mentors: Stephanie Shipp, Joel Thurston, Brandon Kramer, Vicki Lancaster, Josh Goldstein, and Nathaniel Ratcliff
Sponsor: Kelly Ervin, U.S. Army Research Institute for the Behavioral and Social Sciences

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ECONOMIC AND SOCIAL IMPACT OF ARLINGTON RESTAURANT INITIATIVE

DSPG: Victoria Halewicz, Kateryna Savchyn, and Jessica Keast
SDAD Mentors: J Bayoán Santiago Calderón, Gizem Korkmaz, and Aaron Schroeder
Sponsor: Dimitrios Mastoras, Arlington County Police Department

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RETURNING CITIZENS REENTRY PROGRAM

DSPG: Jessica Keast and Allegra Pocinki
SDAD Mentors: Nathaniel Ratcliff, Joel Thurston, J Bayoán Santiago Calderón, and Aaron Schroeder
Sponsor: Gregory Fairchild, Resilience Education and UVA Darden School of Business

ADDITIONAL research posters

1

BIG DATA IN ANIMAL SHELTERS: USING DATA SCIENCE TO AID DOG ADOPTION

AUTHOR: Samantha Cohen, Social and Decision Analytics Division (SDAD), Biocomplexity Institute, University of Virginia and Peter Todd, Cognitive Science Program, Indiana University

2

VISUALIZING MULTICHANNEL SYNTHETIC POPULATION DATA FOR MODELING AND SIMULATION

AUTHOR: Patrick Corbett, Network Systems Science and Advanced Computing Division (NSSAC), Biocomplexity Institute, University of Virginia

NSSAC MENTORS: James Schlitt, Bryan Lewis, and Samarth Swarup

*National Center for Science and Engineering Statistics