

*Welcome to the*

*May 16 & 17, 2024*

**25<sup>TH</sup>**  
**ANNIVERSARY**  
**CONFERENCE**

**CENTER FOR STATISTICS AND THE SOCIAL SCIENCES**

**UNIVERSITY of  
WASHINGTON**



**CENTER for STATISTICS**  
*and the* **SOCIAL SCIENCES**

# PROGRAM

*at a glance*

5/16

*THE HUB*

**Short  
Courses**

5/16

*PARRINGTON HALL*

**Alumni  
Panel**

5/16

*PARRINGTON HALL*

**Welcome  
Reception**

5/17

*INTELLECTUAL HOUSE*

**Scientific  
Sessions**

5/17

*INTELLECTUAL HOUSE*

**Lunch  
Seminar**

5/17

*INTELLECTUAL HOUSE*

**Dinner  
Reception**

# CSSS Former Directors



**Darryl J.  
Holman**

*2017-2022*



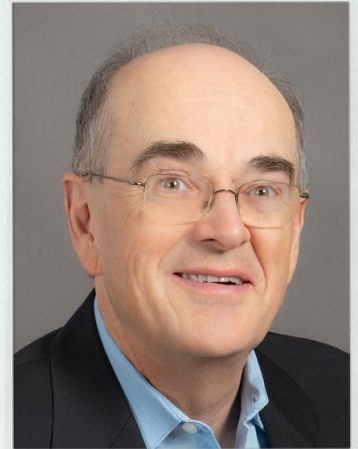
**Katherine  
Stovel**

*2014-2017*



**Thomas  
Richardson**

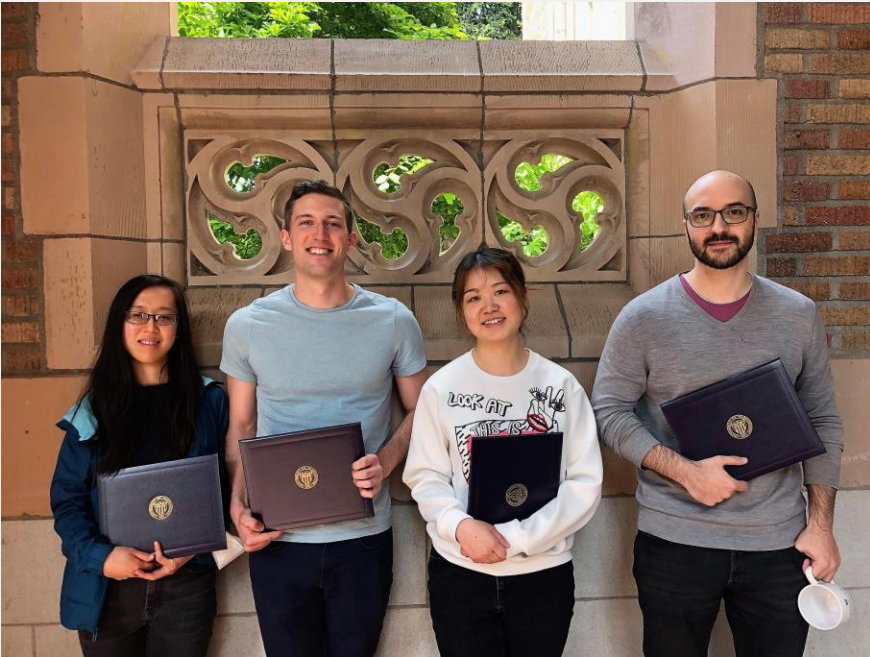
*2009-2014*



**Adrian  
Raftery**

*1999-2009  
Founding Director*

*Thank you for your  
visionary leadership!*



# CSSS Current Leadership



**Elena  
Erosheva**

*Director*



**Christopher  
Adolph**

*Associate Director*



**Tyler  
McCormick**

*Seminar Director*



**Carlos  
Cinelli**

*Consulting Director*

*Thanks for your  
contributions to CSSS!*

# CSSS Executive Committee

**Christopher Adolph**  
Professor, Political  
Science

**Elena Erosheva**  
Professor, Statistics &  
Social Work

**Brian Flaherty**  
Associate Professor,  
Psychology

**Patrick Heagerty**  
Professor,  
Biostatistics

**Jerald Herting**  
Professor, Sociology

**Ben Marwick**  
Professor,  
Anthropology

**Thomas Richardson**  
Professor, Statistics

**Katherine Stovel**  
Professor, Sociology

**David Takeuchi**  
Professor, Social  
Work

**Jenny Hsin-Chun Tsai**  
Associate Professor,  
Nursing

**Chun Wang**  
Professor, Education

*Thank you for  
your support!*



# THANK YOU TO OUR SPONSORS

Center for Studies in Demography & Ecology

College of Arts and Sciences Dean's Office

Department of Anthropology

Department of Political Science

Department of Sociology

Department of Statistics

Department of Urban Design & Planning

UNIVERSITY *of*  
WASHINGTON



CENTER *for* STATISTICS  
*and the* SOCIAL SCIENCES

CSSS is proud to support graduate student recruitment and training

## Blalock Fellowships

**54** fellowships awarded since 2001

**9** departments supported

**\$5,000** each towards academic expenses

## Travel Grants

**232** grants awarded since 2002

**17** departments supported

**\$1,000** each towards travel expenses

# Congratulations

Warmest wishes for the new chapter!



# Kate Stovel



# 316 CSSS PhD Tracks Completed



# Across 16 Departments



# From 2006 to 2024

- CSSS tracks require the completion of 4+ advanced courses in statistical methodology
- 11 affiliate departments have established CSSS PhD tracks
- Students from 5 departments have completed individual CSSS concentrations
- Congratulations to 13 students completing CSSS tracks this year!

# Celebrating Alumni

*Thursday afternoon's panel moderated by  
CSSS Associate Director Christopher Adolph*



**SIOBHAN  
MATTISON**

Associate Professor of Evolutionary Anthropology, University of New Mexico  
Director, Human Family and Evolutionary Demography Lab

***CSSS Anthropology  
PhD Track, 2010***



**JOHN  
AHLQUIST**

Professor of Political Economy and Associate Dean, School of Global Policy and Strategy, University of California, San Diego

***CSSS Political  
Science PhD  
Track, 2008***



**GAIL  
POTTER**

Mathematical Statistician, NIAID Biostatistics Research Branch  
Deputy Section Chief, Clinical Trials Research Section

***CSSS Statistics  
PhD Track, 2010***



**ADAM  
GLYNN**

Professor of Political Science, Quantitative Theory and Methods, and Biostatistics and Bioinformatics, Emory University

***Statistics PhD,  
2006***



**CAROLINA  
JOHNSON**

Senior Data Scientist, King County's Department of Community and Human Services

***CSSS Political  
Science PhD  
Track, 2013***

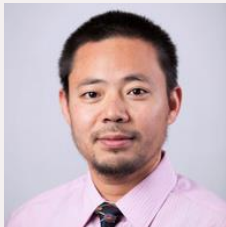
# FRIDAY MORNING SCIENTIFIC SESSION: **Advances in Social Network Analysis**



**Session Chair: Tyler McCormick**

*Professor of Statistics and Sociology, CSSS Core Faculty  
University of Washington*

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**Weihua An**

*Associate Professor of Sociology & Quantitative Theory and Methods  
Emory University*

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**Siobhan Mattison**

*Associate Professor of Evolutionary Anthropology  
University of New Mexico*

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**Weijing Tang**

*Assistant Professor of Statistics and Data Science  
Carnegie Mellon University*

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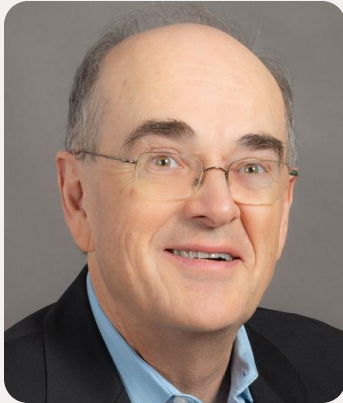


**Discussant: Yuan Hsiao**

*Assistant Professor of Communications  
University of Washington*

# Congratulations

On your retirement from teaching!



Adrian Raftery

FRIDAY STATISTICAL DEMOGRAPHY SEMINAR:  
**Measuring and understanding the  
dynamics of populations of scholars**



**Speaker: Emilio Zagheni**

*Director, Max Planck Institute for Demographic Research  
Affiliate Professor of Sociology, University of Washington*

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**Moderator: Sara Curran**

*Director, Center for Studies in Demography & Ecology  
Professor of International Studies, University of Washington*

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*This seminar is co-hosted by the Center for Studies in  
Demography and Ecology (CSDE).*



FRIDAY  
AFTERNOON  
SCIENTIFIC  
SESSION:

**Bias,  
Fairness,  
and  
Inequality  
in an  
Algorithmic  
Age**



**Session Chair: Sasha Johfre**

*Assistant Professor of Sociology, CSSS Core Faculty  
University of Washington*

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**James Chu**

*Assistant Professor of Sociology  
Columbia University*

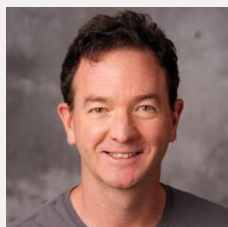
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**Razieh Nabi**

*Assistant Professor of Biostatistics and Bioinformatics  
Emory University*

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**Peter Hoff**

*Professor of Statistical Science  
Duke University*

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**Discussant: Kosuke Imai**

*Professor of Government and of Statistics  
Harvard University*

# Short Courses

*Thursday morning short courses taught by current UW faculty*



**KATIE  
WILSON**

Assistant Teaching Professor  
Department of Biostatistics  
University of Washington

*Introduction to Missing Data  
Methods for Observational Data*



**CARLOS  
CINELLI**

Assistant Professor  
Department of Statistics  
University of Washington

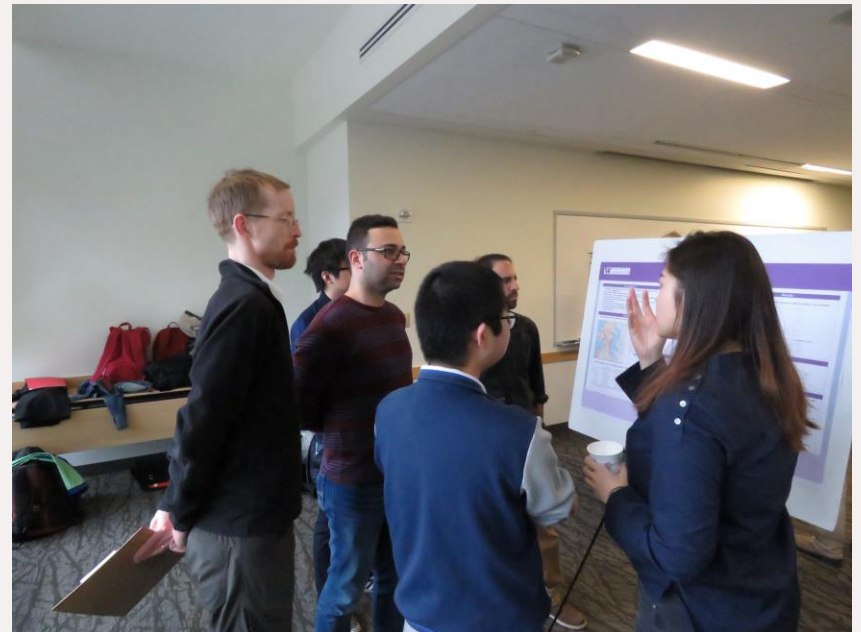
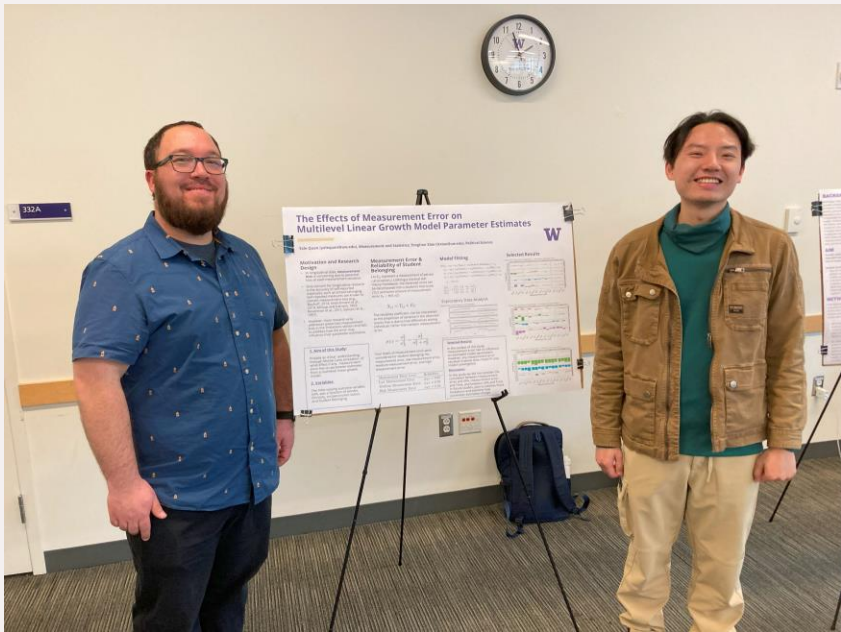
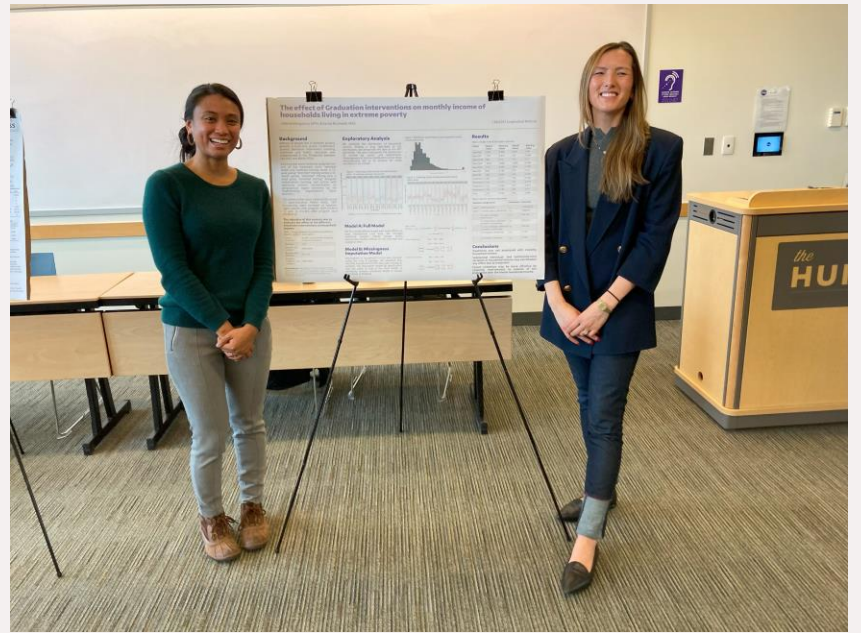
*Sensitivity Analysis for Causal  
Inference in the Social Sciences*



**BENJAMIN  
MAKO HILL**

Associate Professor  
Department of Communication  
University of Washington

*Text as Data*



# New in Autumn 2024

## Statistics and Philosophy of Voting

*STAT/PHIL/CSSS 452 and CSSS 552*

### Core Topics

- Different voting systems and social choice theory
- Sample surveys, election polling and forecasting, visualization of election data and forecasts
- Gerrymandering

### Course Structure

- Co-instructors from Statistics and Philosophy
- Expert guest lecturers
- Problem sets and discussion boards for undergraduates
- Final project for graduate students



# New in Autumn 2024

## AI & machine learning and their applications in the social sciences

CSSS 594 – Special Topic

### Core Topics

- Implement common AI/ML tools in social science context (e.g. neural networks, regularization-based tools/lasso)
- Define and compute benchmarks for algorithm performance
- Apply statistical principles of selection and design to critically evaluate benefits and potential pitfalls of AI/ML algorithms in the context of social science questions/settings

### Course Structure

- Prerequisites: SOC 506 or equivalent and CSSS 510 or equivalent
- Two lecture/discussion sessions per week
- Grading: homeworks + final project



**Tyler McCormick**