

Jiayang Sun, Ph.D.

Stanford

PhD

Assistant
Professor

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Associate, Full
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Statistics

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of Biostatistics
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Professor,
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Department of
Statistics

Scientific interests and Expertise

Statistics/Data Science (SDS) for Complex and Large Data:

- Simultaneous Inference & Multiple Comparisons
- Selection Bias & Measurement Error
- Mixtures & Statistical Imaging
- Bioinformatics & Causal Inference
- Stat Computing & Big Data
- Text Mining, Network Analysis & Crowdsourcing
- Machine Learning, Interface of Statistics & CS



large in n or p,
longitudinal or
spatial



NIH, NSF, DOD, VA,
INOVA/NIH

Interdisciplinary Research:

- Medical/Health, Astro, Energy, Law, and Agriculture

Some Research and Areas for Exploration

- **Medical/Health Research projects**

- Wound Care, Medical Imaging, Surgery, Rehab/FES (20+)
- OVCA Cancer, Environment (10+)
- AD, DB, Medical Transport, Fertility, [EHR](#), Drug Target

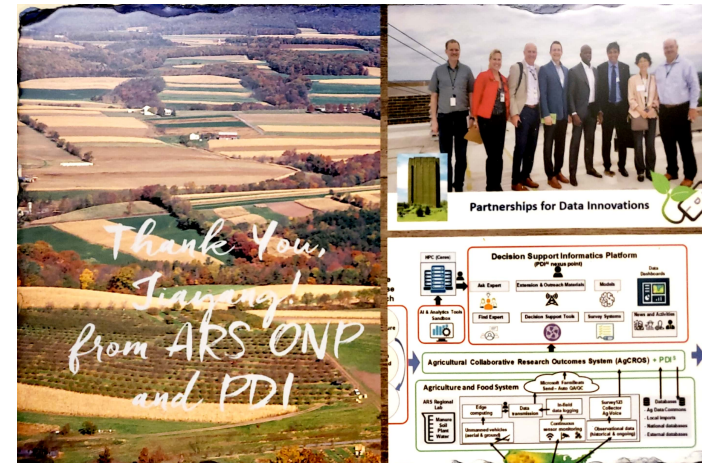
- **Most Exciting Projects**

- **AI Institute in Agriculture and Food Systems**
- SCH
- CTSA

- **Needs/Areas for Exploration**

- Biologists
- **Computer Scientists**
- Resources
- Support

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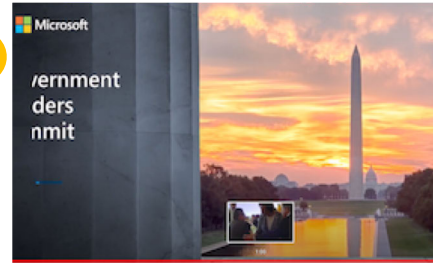


PDI at USDA

Jun, 2019

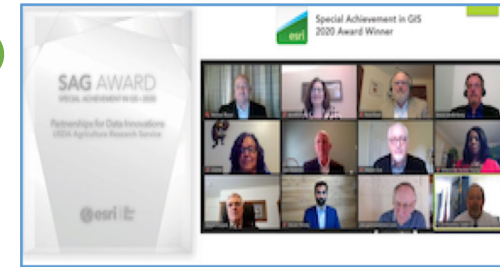


1st day



1y Celebration
& Engagement

Jul, 2020



JSM
8/6/20



HDSR