IDEA FORUM

November 22, 2024
3 - 4:30 p.m. ET

OVERVIEW

Statistics advances science, engineering, business, and medicine with a global impact.

The annual **I**nfluencing **D**iscovery **E**xploration and **A**ction (IDEA) Forum brings together statisticians, leaders, and policy makers, to develop solutions for problems facing the world community.

The 2024 IDEA Forum will focus on trustworthy AI.

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OVERVIEW

Welcome! I am delighted you are joining us for the IDEA Forum an event of the ASA Leadership Institute. Our vision for the IDEA Forum is that by focusing on important global problems we will build strategic partnerships with leaders from academe, government, and industry to grow the influence of statisticians and drive innovation.

Imagine a world that relies on data and analytics to drive discovery and inform decisions. This is the vision the American Statistical Association is working toward. We acknowledge the challenges to attaining this vision are significant, so collaboration is key. The goal of the IDEA Forum is to foster and support important collaborations.

Our focus for this event is trustworthy AI. Our plenary speakers will discuss the successes, challenges, and opportunities as AI technologies continue to develop. I am grateful to our speakers and moderator for joining us to share their insights and expertise.

Statistics advances science and technology, informs public policy, and contributes to a world in which decisions are data-driven. Statisticians improve lives through theory and applications that provide a better understanding of how we live, work, learn, and play. Our time together will be spent Influencing Discovery Exploration & Action to create solutions for problems facing the world community.

M. Ghosh Dastidar

MARK GLICKMAN

Dr. Mark Glickman, a Fellow of the American Statistical Association, is Senior Lecturer on Statistics at the Harvard University Department of Statistics, and Senior Statistician at the Center for Healthcare Organization and Implementation Research, a Veterans Administration Center of Innovation. He currently chairs the American Statistical Association's Committee on Data Science and Artificial Intelligence.

His research interests are primarily in the areas of statistical models for rating competitors in games and sports, and in statistical methods applied to problems in health services research. Dr. Glickman has served as a member of the US Chess Ratings Committee since 1985 and has been the Chair of the Committee almost continuously since 1992. He has served as Chair and Program Chair for the American Statistical Association's Section on Statistics in Sports and has earned its Significant Contributor Honoree award in 2009. In 2014, Dr. Glickman was elected a fellow of the American Statistical Association. At Harvard, he is the founding head of the Lab for Sports Analytics. He is the column editor of "Recreations in Randomness" for the Harvard Data Science Review.

JEANNETTE WING

Dr. Jeannette Wing is Executive Vice President for Research and Professor of Computer Science at Columbia University. She previously served as the inaugural Avanessians Director of the Data Science Institute at Columbia University. Prior to Columbia, she was Corporate Vice President of Microsoft Research, served on the faculty and as department head in computer science at Carnegie Mellon University, and served as Assistant Director for Computer and Information Science and Engineering at the National Science Foundation.

Her research contributions have been in the areas of trustworthy AI, security and privacy, specification and verification, concurrent and distributed systems, programming languages, and software engineering. She is a Fellow of the American Academy of Arts and Sciences, American Association for the Advancement of Science, the Association for Computing Machinery (ACM), and the Institute of Electrical and Electronic Engineers. She received distinguished service awards from the ACM and the Computing Research Association and an honorary doctorate degree from Linköping University, Sweden.

ARVIND NARAYANAN

Dr. Arvind Narayanan is a professor of computer science at Princeton University and the director of the Center for Information Technology Policy. He is a co-author of the book AI Snake Oil and a newsletter of the same name which is read by 40,000 researchers, policy makers, journalists, and AI enthusiasts. He previously co-authored two widely used computer science textbooks: Bitcoin and Cryptocurrency Technologies and Fairness in Machine Learning.

Narayanan led the Princeton Web Transparency and Accountability Project to uncover how companies collect and use our personal information. His work was among the first to show how machine learning reflects cultural stereotypes, and his doctoral research showed the fundamental limits of de-identification. Narayanan was one of TIME's inaugural list of 100 most influential people in AI. He is a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE).

JENNIFER THOM

Dr. Jenn Thom leads the Qualitative Research and Data Science groups as well as the development and execution of Code for America's AI strategy. In this role, she and her team prioritize service delivery that is ethical. equitable, and inclusive. Prior to joining Code for America, she led a group of researchers at Spotify focused on building novel interactive machine-learning prototypes to unlock new music and podcast listening experiences. Her past experience includes studying conversational behavior to build language understanding models at Amazon Alexa and observing how people use social software to collaborate at IBM Research.

She received a BS in Human Service Studies and an MS and PhD focused on human-computer interaction from Cornell University. Outside of work, Jenn lives in the Greater Boston area with her partner and two cats and enjoys gardening and trail running.

LINGZHOU XUE

Dr. Lingzhou Xue is a Professor of Statistics at Penn State University. He received his B.Sc. in statistics from Peking University in 2008 and his Ph.D. in statistics from the University of Minnesota in 2012. He was a postdoctoral research associate at Princeton University from 2012-2013.

His research interests include high-dimensional statistics, nonparametric statistics, statistical and machine learning, large-scale optimization, and statistical modeling in biomedical, environmental, and social sciences. He became an Elected Fellow of the Institute of Mathematical Statistics (IMS) in 2024, an Elected Fellow of the American Statistical Association (ASA) in 2023, and an Elected Member of the International Statistical Institute (ISI) in 2016. He received the inaugural Committee of Presidents of Statistical Societies (COPSS) Emerging Leader Award in 2021, the inaugural Bernoulli Society New Researcher Award in 2019, and the International Consortium of Chinese Mathematicians Best Paper Award in 2019.

Thank You