The Philosophy of Data Science: Data Science Governance

Conference, 10 - 11 June 2022

This conference, hosted by the Centre for Human & Machine Intelligence (HMI) at the Frankfurt School of Finance & Management and part of the project group Regulatory Theories of Artificial Intelligence of the Centre Responsible Digitality (ZEVEDI), aims to bring together researchers from ethics, political philosophy, and philosophy of science to discuss questions surrounding the governance of data science.

The conference's guiding question is how to conduct, design and regulate data science for the public good. The proper guidance of data science requires the formulation of both moral and legal norms and frameworks, which may guide individuals, private corporations, as well as public and political institutions. The conference will approach this topic by looking at a range of different domains, exploring the specific challenges they raise and how they might call for different, custom-made solutions. These domains include, but are not limited to, healthcare, scientific research, transportation, surveillance, social media, law and law enforcement. In these domains, good data science governance is a matter of understanding and balancing a variety of often competing values and ideals, among which are responsibility, trust, fairness, accountability, privacy, cost-efficiency, as well as epistemic goods such as knowledge, understanding and predictive power.

When?
Friday, 10 and Saturday, 11 June 2022

Where?
Frankfurt School of Finance & Management
AI Lab, Level 4, A Tower
Adickesallee 32-34
60322 Frankfurt/Main, Germany
and online

The conference will be a hybrid event. Registration closes on 3 June.

To register for in-person or online attendance, please visit https://www.frankfurt-school.de/home/research/conferences-workshops/ds-2022. There is no conference fee. Please direct any further enquiries to s.koehler[at]fs.de.

This event is organised by Gregory Wheeler, Peter Königs, and Sebastian Köhler. It is co-sponsored by the Centre for Human & Machine Intelligence (HMI), Frankfurt School of Finance & Management, and part of the project group Regulatory Theories of Artificial Intelligence of the Centre Responsible Digitality (ZEVEDI).
Programme

Friday, 10 June 2022, 10:00 - 18:00 (CEST)

10:00 - 10:30: Welcome

10:30 - 12:00: Boris Babic, University of Toronto  
*The Explainability Bait and Switch*

12:00 - 13:30: Lunch break

13:30 - 15:00: Cassandra Grützner, University of Halle-Wittenberg,  
Maximilian Goldman & Moritz Appels, Mannheim University, Rebecca C. Rühle, VU Amsterdam  
*Behavioural data governance - the feasibility of data leak prevention through nudging*

15:00 - 15:15: Coffee break

15:15 - 16:45: Oliver Buchholz, Tübingen University  
*Building Effective Guidelines for Machine Learning: Lessons from Means-End Epistemology*

16:45 - 17:00: Coffee break

17:00 - 18:30: Sabina Leonelli, University of Exeter  
*Governing Data Circulation: An Underrated Concern for Scientific Inquiry*

Saturday, June 11, 2022, 9:00 - 17:00 (CEST)

9:00 - 10:30: Kate Vredenburgh, London School of Economics  
*Justified Algorithmic Decisions: Thresholds and Randomness*

10:30 - 10:45: Coffee Break

10:45 - 12:15: Michael Da Silva, University of Ottawa/University of Southampton  
*Explainability, Public Reason, and Medical Artificial Intelligence*

12:15 - 13:45: Lunch break

13:45 - 15:15: Mahdi Khalili, VU Amsterdam  
*Understandable Artificial Intelligence and Virtuous Characters*

15:15 - 15:30: Coffee break

15:30 - 17:00: David Danks, University of California, San Diego  
*Governing Ethical Bias, not Statistical Bias*

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