

From Data to Decisions:

New opportunities for data driven research and machine learning

Alex D Wade, Microsoft Research

Abstract:

The broadening availability of vast amounts of data in general and research data in particular are creating new challenges for research organizations in the areas of research data management, curation, long-term preservation, discovery, and access. But these challenges are dwarfed by the opportunities that unprecedented access to data and to computation are creating. Microsoft and Microsoft Research are working to democratize data analytics and to enable machine learning for the masses. From approaches to research data management in the cloud, to self-service business intelligence tools and new cloud-based services such as Microsoft Azure Machine Learning, this talk will cover recent efforts by Microsoft to provide some essential infrastructure and tools to support research and innovation in a data-driven world.