All-Party Parliamentary Group on Artificial Intelligence
Evidence Meeting 3 – Enterprise Adoption of AI - Implementation
Monday, 13 May 2019 | 5:30-7:00 PM - Committee Room, House of Lords

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Biography: Kate leads the Data and AI Cloud Solution Architect team for the Financial Services Microsoft UK. Prior to joining Microsoft, she worked in companies focused on applying behavioural analytics to augment decision making for insurance companies, financial institutions and governments. Kate comes from a science background in neurobiological genetic engineering, where she focused on leveraging genetic data to predict behavioural patterns.

She holds a MSc in Molecular Biology from Bar Ilan University and a MBA from Tel Aviv University.

SUMMARY OF EVIDENCE

As AI increasingly becomes a core part of the technological toolkit, it is fast becoming a crucial component to remain sustainable as an organization. With that, we are in the early stages of understanding what AI systems will be capable of. AI systems today are very good at achieving certain goals which we outline for them, like recognizing photos or words. But these systems are very far from the ability to understand the world, use judgement and be creative, which is the domain of humans.

Reliability and accountability are both crucial to ensure that AI technology is successfully and sustainably deployed in the future. We currently see two main trends for leveraging existing methods to help achieve this goal – globally consistent scientific methods and procedures; and, a rethinking of IT operations and software best practices.

First, learning from globally consistent scientific methods, where the premise of everything you do relies on protocols and controls. This premise creates globally shared best practices, that ensure that new information being released has gone through some degree of due diligence by the scientific community. Though this is not always perfect, it sets standards.

Second, rethinking the role of software procedures in an AI world. Adopting these procedures for AI is now becoming a key part of operationalizing AI at scale, as it allows organizations to manage their AI pipelines in a way that ensures enterprise standards. This is a crucial step in moving from experimentation to industrialization.
With this in place, organizations can track and audit what data and libraries were used, how models were trained and how products were defined.

As AI systems get more sophisticated and start to play a larger role in people’s lives, it’s imperative for companies to develop and adopt clear principles that guide the people building, using and applying AI systems. Among other things, these principles should ensure that AI systems are fair, reliable and safe, private and secure, inclusive, transparent and accountable. To help achieve this, the people designing AI systems should reflect the diversity of the world in which we live.