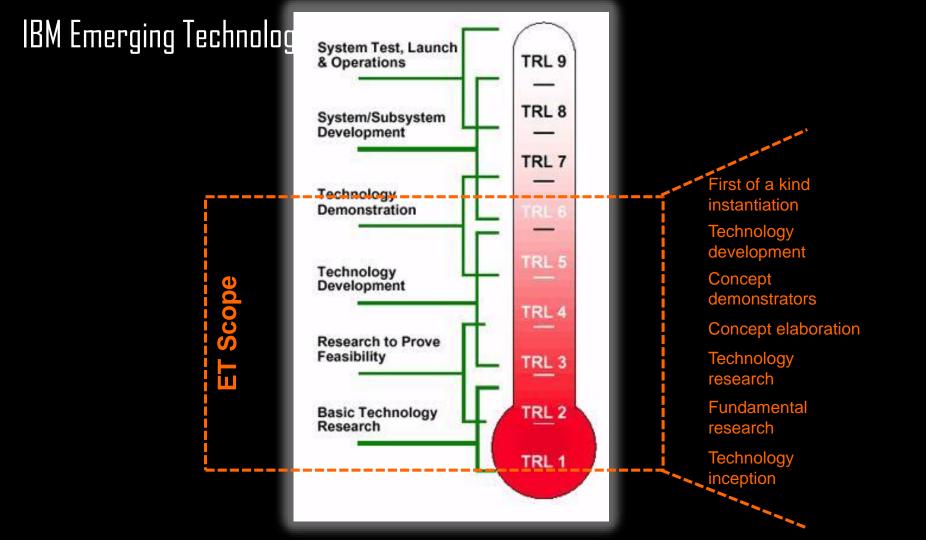
AI/ML for situational understanding

Dr Richard Tomsett

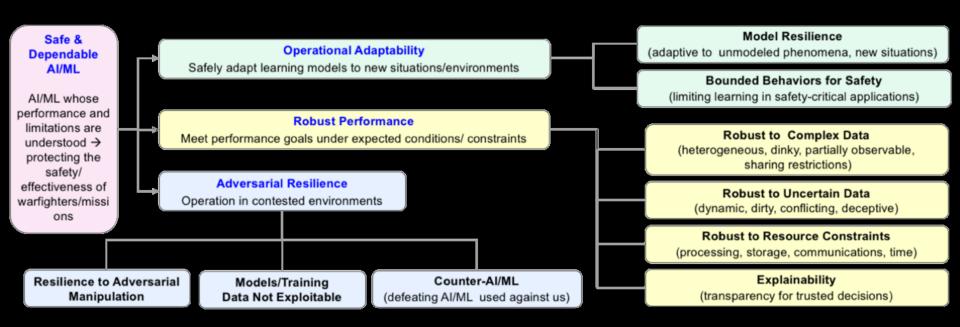
Emerging Technology Specialist IBM Research UK



Trusted AI for business

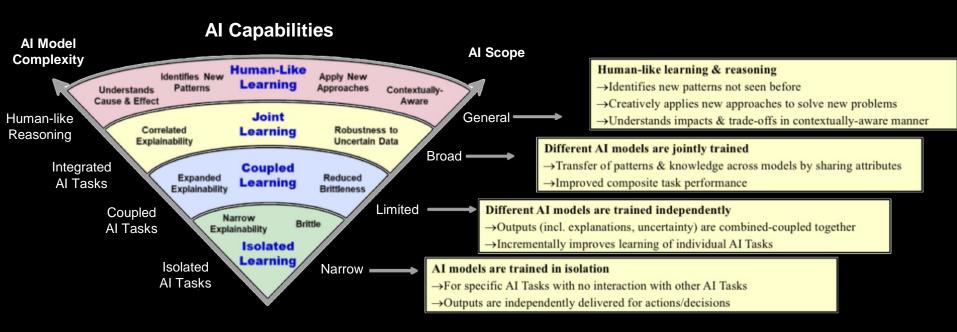
Lineage ring all events & conents of an Al m are trackable	Fairness Creating AI that does not amplify unwanted human biases	Making sure an Al system can provide explanations for its	Robustness Identifying and fixing model vulnerabilities
		outputs/decisions	

AI/ML for situational understanding



Al/ML requirements for Multi Domain Operations at the tactical edge

What are the capabilities of AI/ML today?



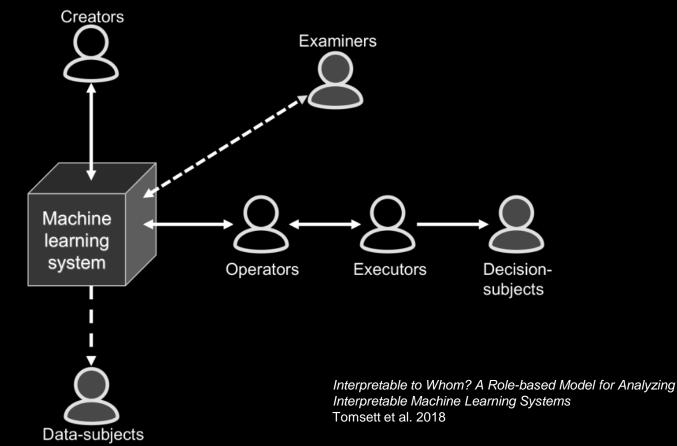
Spectrum of AI capabilities

Cirincione & Verma, 2019

Overcoming AI hype

- Key distinction between 'building the system right' (high accuracy)
 and 'building the right system' (high impact)
- The post-1980s Al Winter was due to a failure of the technology to meet user expectations despite often high technical performance
 - The space of viable, impactful applications was much smaller than developers and investors hoped
- A solid evidence base for AI impact is needed to challenge the hype that is once again surrounding technological advances in the field

A model for explainable AI (XAI) requirements



Thank you!

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