



Big (Computing + Data + Math)



Artificial Intelligence (AI) For Regulated Industries

Via Science Company Overview

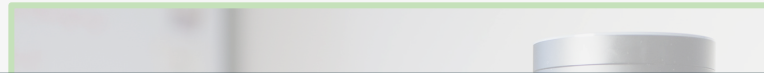
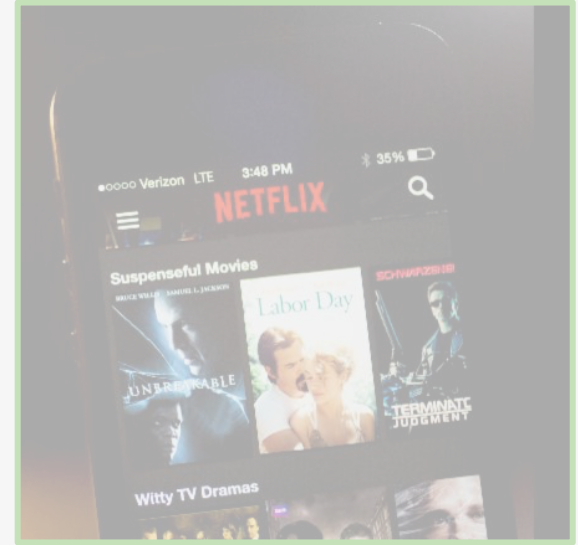
- Startup based in Cambridge, USA
- Internationally renowned PhD team with broad industrial experience in data science and machine learning
- Customize software depending on the problem presented
- Proven, patented technology in causal analytics
- Collaborating with Tokyo Electric Power Company (TEPCO)



AI Is Everywhere



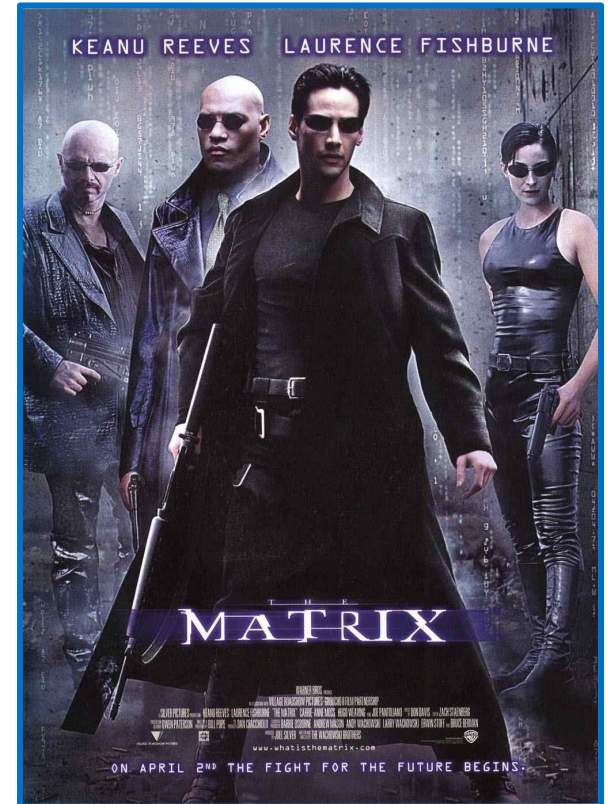
AI Is Everywhere



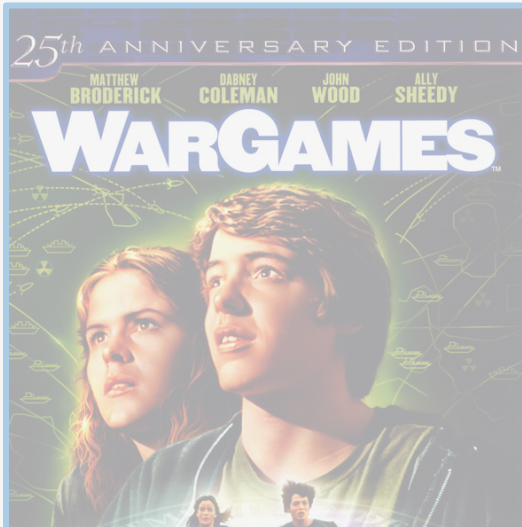
Voiceover: Artificial intelligence is now in our everyday consumer lives from self-driving cars to streaming TV recommendations to voice recognition in home automation.



AI Needs Supervision



AI Needs Supervision

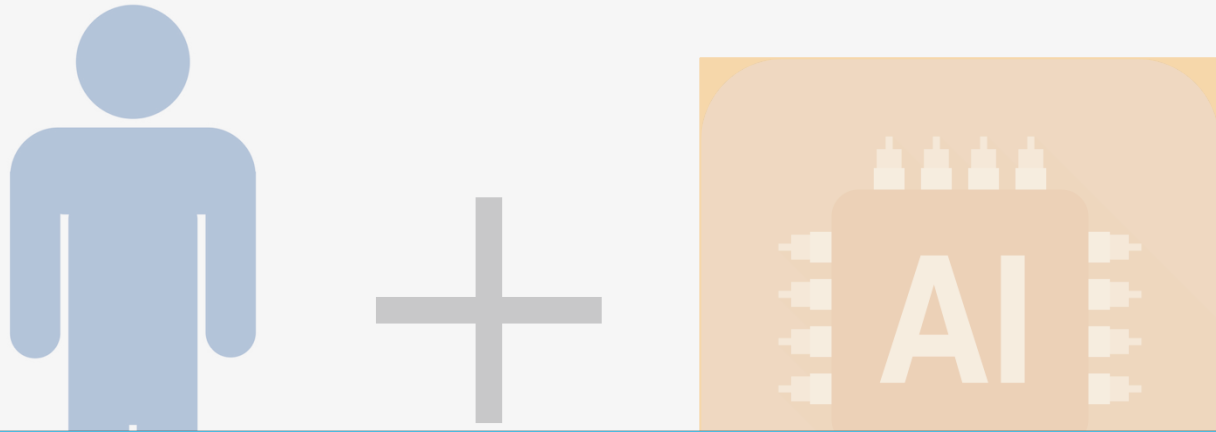


Voiceover: But every movie where a computer makes the final decision rather than a person ends badly. Does AI need oversight? Regulated industries like energy and telecommunications by definition have a requirement for oversight. Why should that change if it's a computer making recommendations rather than a person?


Humans + AI > AI



Humans + AI > AI



Voiceover: At Via Science, our view is that people and computers together can be more powerful than either alone. That is, predictions are more accurate, recommendations are more trustworthy, and decisions get made faster with greater confidence of success.



Insider Cyber Threat Assessor

Daily Threat Summary

Threat Sensitivity
|

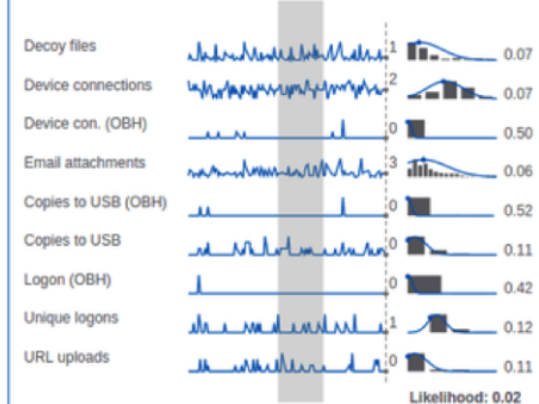
30/05/2011 🗓

Overall Rank	Employee ID	Score	Label
73,249	RCS2064	0.900	SAFE ▼
73,250	ACB0701	0.900	THREAT ▼
73,251	EJP2975	0.900	UNKNOWN ▼
73,252	SRR2711	0.900	SAFE ▼
73,253	ACH1910	0.900	UNKNOWN ▼
73,254	MBN3610	0.900	UNKNOWN ▼
73,255	NNM2862	0.900	UNKNOWN ▼
73,256	HHF1995	0.900	UNKNOWN ▼
73,257	ISB0256	0.900	UNKNOWN ▼
73,258	UDB1170	0.900	UNKNOWN ▼

+ - Learn

Employee Details

Employee ID: All ▼

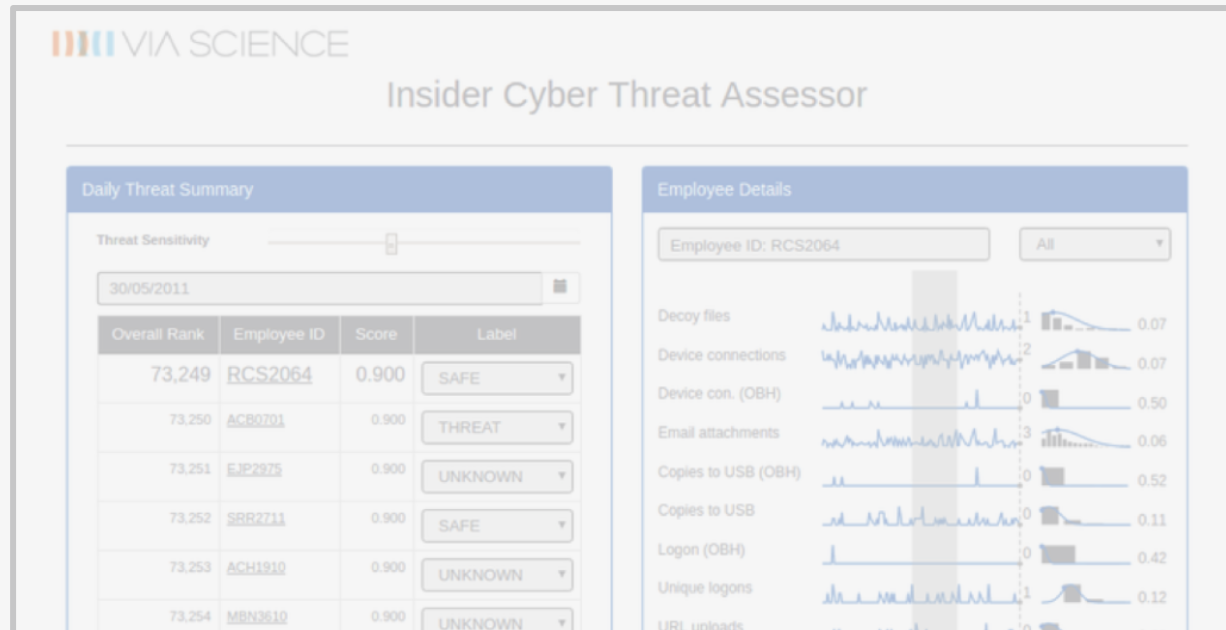


Likelihood: 0.02

Log summary (2011-March-08, 2011-April-12) ⓘ

Domain	Count
boeing.com	2
dtaa.com	313
raytheon.com	1

Feature	Importance
Performance	-0.049
Salary	0.046
Anomaly Score	-0.035
Months Since Promotion	-0.002



Voiceover: Take for example this system we built to identify insider cybersecurity threats. Advanced AI is used to identify potentially threatening employee behavior. People are involved in two ways: first, security professionals can confirm or disconfirm a threat and this human feedback helps improve the AI system. Second, we provide transparency into why the specific individual was flagged by the AI system, which reduces investigation time and increases the investigator's confidence in his course of action.

Performance	-0.049
Salary	0.046
Anomaly Score	-0.035
Months Since Promotion	-0.002



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