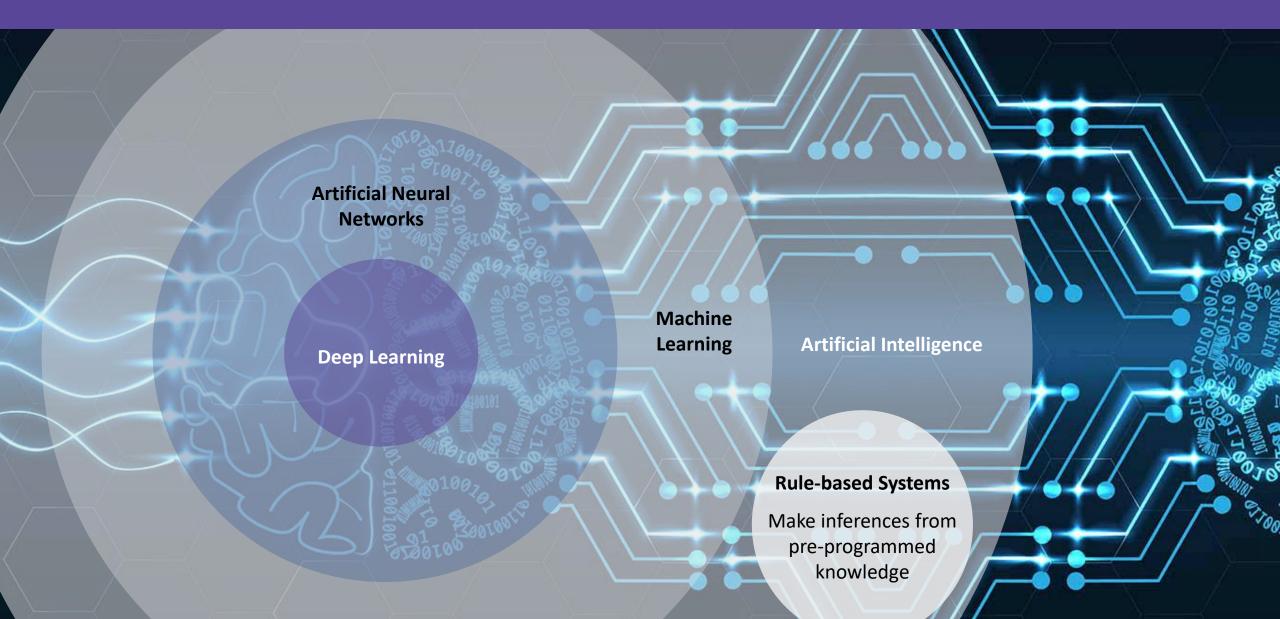


The narrowing definition of Al



Building AI readiness



D1 – Goal: Engagement, Automation, Insights

Engagement Chatbots, recommender systems,	24	15.8%
Automation Auto doc processing, Cognitive RPA,	71	46.7%
Insights Satellite imagery, speech analytics,	57	37.5%
Total	152	100.0%

Tom Davenport and Rajeev Ronanki,

<u>Artificial Intelligence for the Real World</u>

Harvard Business Review, Jan/Feb 2018

"However, our study [...] reveals that highly ambitious moon shots are less likely to be successful than "low-hanging fruit" projects that enhance business processes."

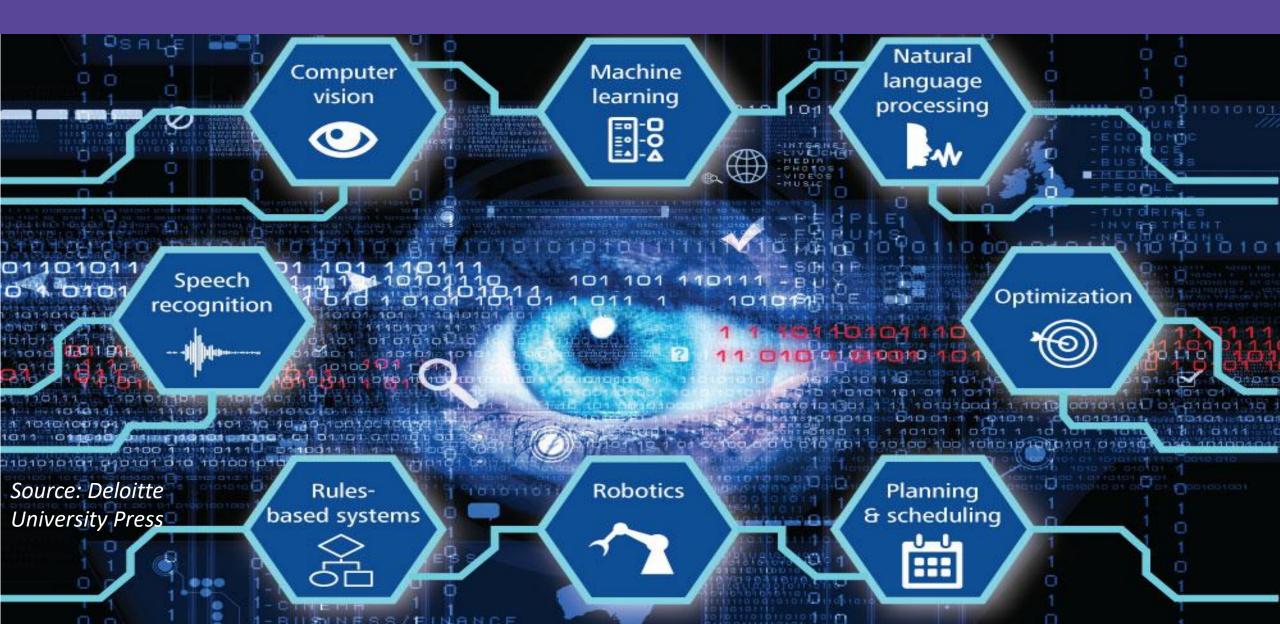
D2 – Customer journeys and internal functions

Life cycle	Engagement	Automation	Insights
Acquisition			*
Underwriting		*	
Pricing			*
Servicing	*		
Claims		*	*
Risk and finance		*	

D1 x D2 – Portfolio of projects (roadmap)

Life cycle	Engagement	Automation	Insights
Acquisition			Real-time bidding for ad placement
Underwriting		Automated document processing	
Pricing			Genetic predictive tools
Servicing	Recommender systems, Chatbots		
Claims		Touchless claims	Speech analytics of call center recordings
Risk and finance		Cognitive RPA	

D3 – AI capabilities



D4 – Other technologies involved







Payments







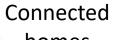


AR/VR



Connected and autonomous vehicles









Wearables



Prevention: insurers and customers as partners

Solving distracted driving



Connected homes and leak sensors





Wearables and health insurance

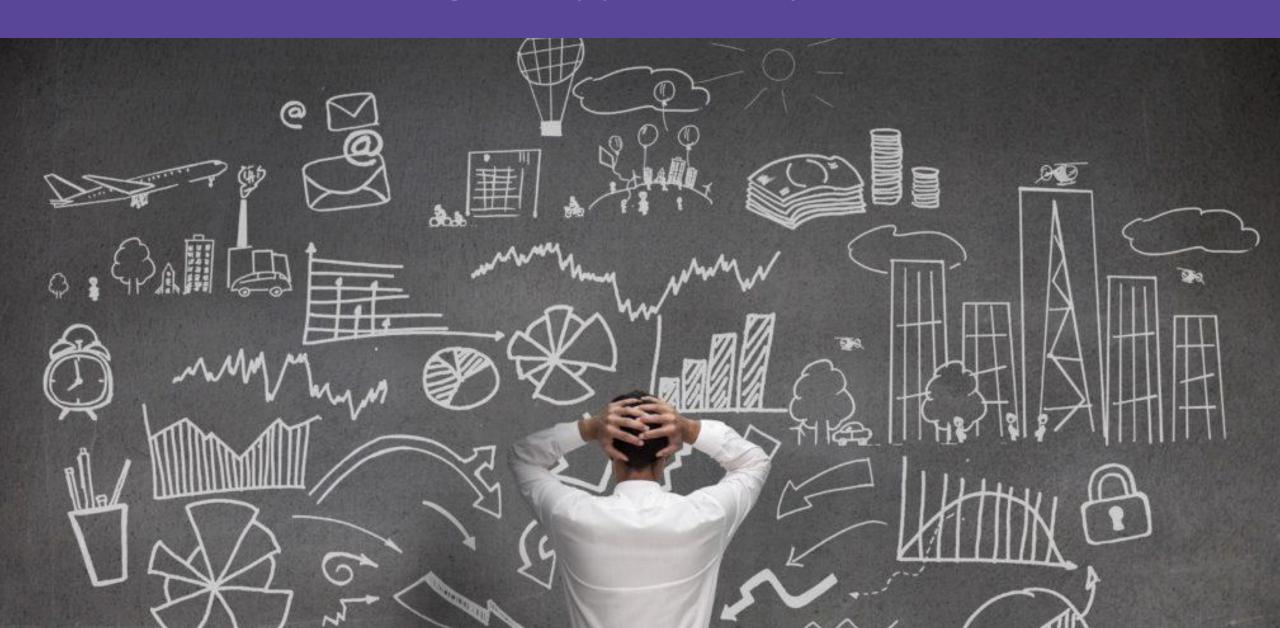
Gen Re names TrackActive as Collaboration
Partner

BusinessWire, October 11, 2017

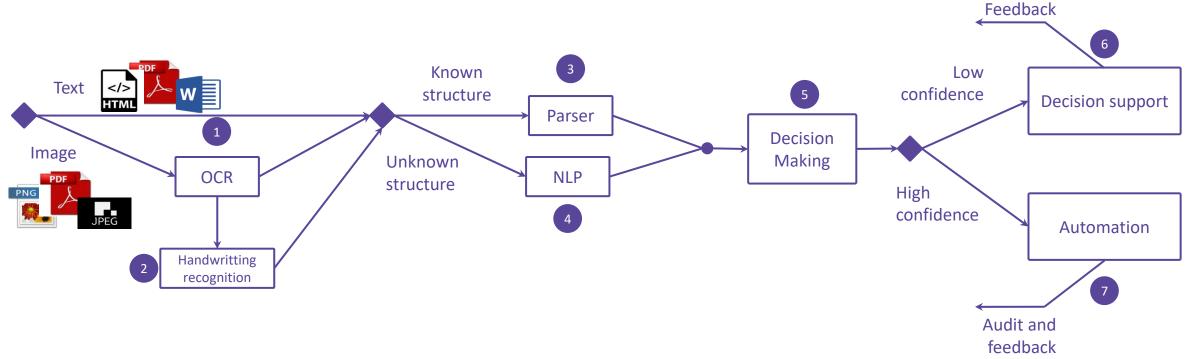
Life insurance underwriting with a selfie



D5 – Decision making or support (or hybrid)



Automation: Automated document processing



Use cases:

Triage broker submissions
Surety compliance certificate emission
Claims adjudication
Subrogation opportunities

Audience voting question

Have you already implemented a solution for automated document processing?

- a. Yes, we are already using OCR and natural language processing (NLP)
- b. No, but we are in the process of implementing such a solution.
- c. No and we do not have any plan to implement such a solution.
- d. Not applicable

The importance of context



Merchant

Mirza Transportation

Date

Jan 18, 2018

Currency

Total

CAD

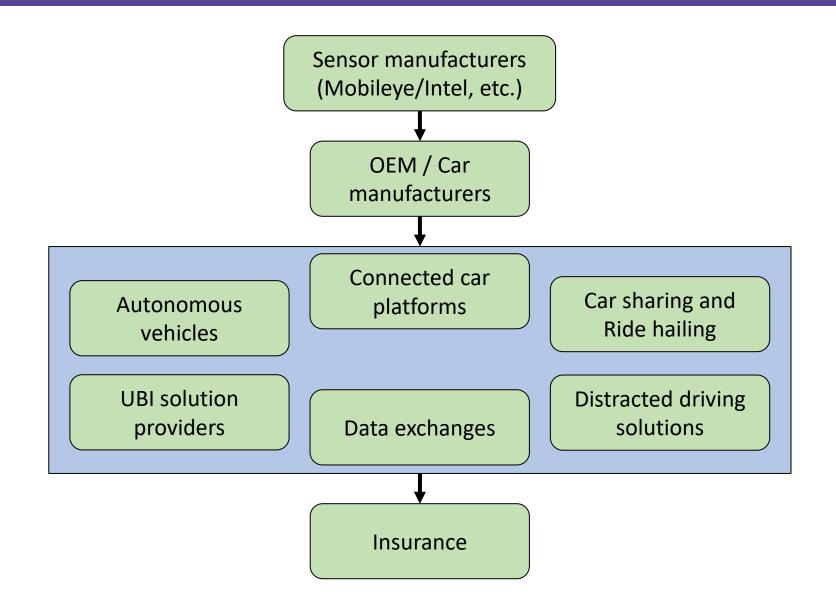
C\$11.25

AI has a dirty little secret: it's powered by people

Voice of America March 5, 2018



Manufacturers, data exchanges, and Al



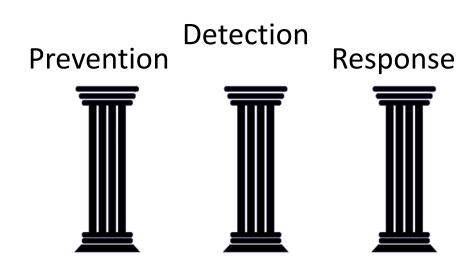
Dematerialization, cyber insurance, and Al

Percentage of S&P500 companies' market value tied to **intangible assets**1975
2015
17%
84%

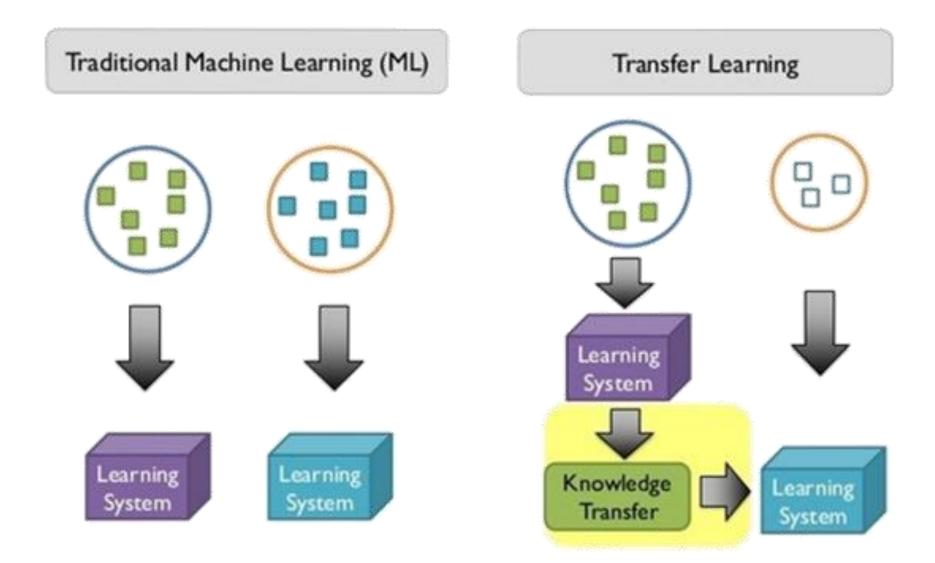
2016 US figures	
Cyber insurance GWP Source: Fitch ratings	1.3B
Cost of Malicious Cyber Activity Source: The Council of Economic Advisors	57B to 109B

Source: <u>Intangible asset market value study</u>,

Ocean Tomo LLC, 2017



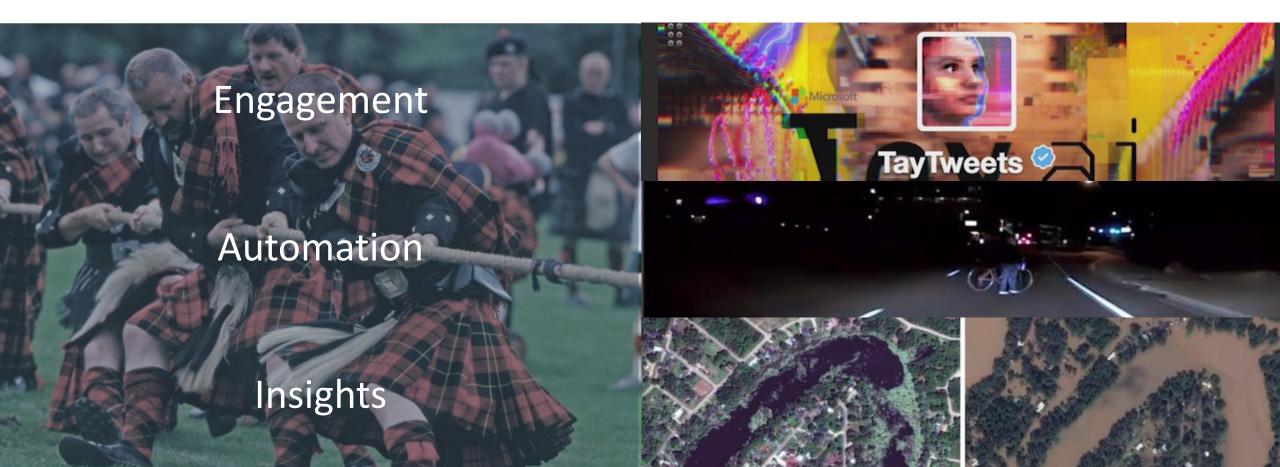
Transfer learnings and data consortiums



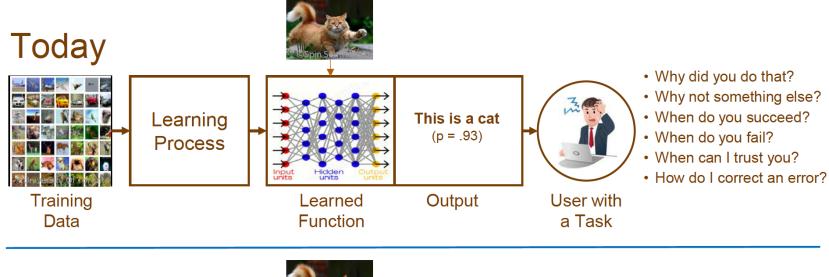
Al trustworthiness

CXO - Benefits

CRO - Limitations



Building trust in Al



"The real safety question, if you want to call it that, is that if we give these systems biased data, they will be biased"

John Giannandrea
 Chief of AI, Google

Forget Killer Robots—Bias Is the Real AI

Danger

MIT Technology Review October 3, 2017

Tomorrow I understand why This is a cat: • I understand why not New · It has fur, whiskers. • I know when you'll succeed and claws. Learning · I know when you'll fail • It has this feature: Process • I know when to trust you · I know why you erred **Training** Explainable **Explanation** User with

Interface

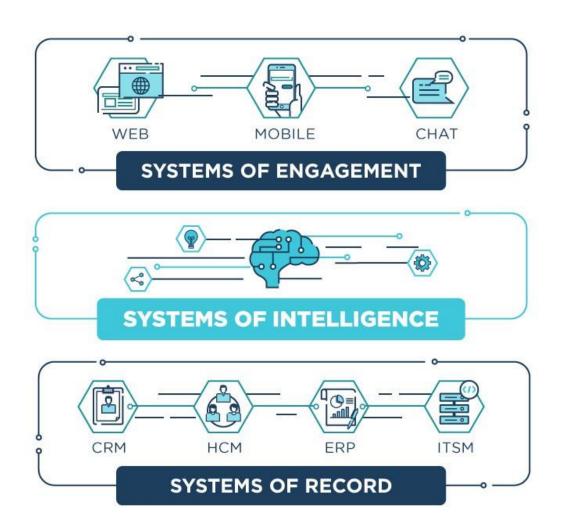
a Task

Model

Source: DARPA

Data

Systems of intelligence



Keys to successful systems of intelligence

- Domain knowledge
- Abstraction of complexity
- Human Al interaction
- Latest Al
- Data (Internal and External)
- Network effects

ELEMENTAI