



The meteoric growth of Al





Between 1998 - 2018, Al papers have grown > <u>300%</u>





Global private AI investment was over **\$70B** in 2019





The time to train an image classification system on cloud infrastructure reduced from 3 hours to **88 seconds** over 18 months





Global investment in AI start-ups increased from \$1.3B in 2010 to **\$40.4B** in 2018





Al compute has been doubling every **3.4 months** since 2012





The most dominant topics in over 3600 news articles: ethical use of AI, data privacy, the use of face recognition, algorithm bias and the role of big tech.





'Fairness', 'Interpretability' and 'Explainability' are identified as the biggest ethical challenges





Al can contribute to each of the 17 UN Sustainable Development Goals but bottlenecks still need to be overcome





Analytics Sector (includes Data, AI, RPA, Robotics etc) worth €16 billion for Irish economy





211,000 employed in data analytics and related areas



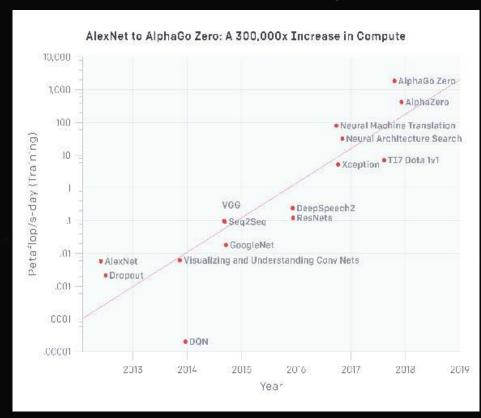


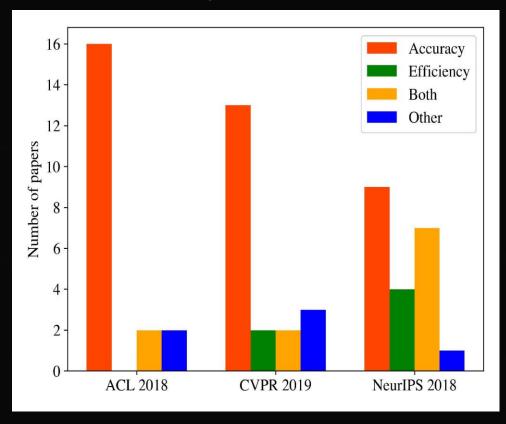
28,000 students now studying in the area of data



But there are concerns

In pursuit of Accuracy







"Google should not be in the business of war"

- Google workers to Sundar Pichai

"We cannot cede responsibility for the use of the technology we create"

- Salesforce workers to Marc Benioff

"Those creating powerful technology have to ensure what they build is used for good"

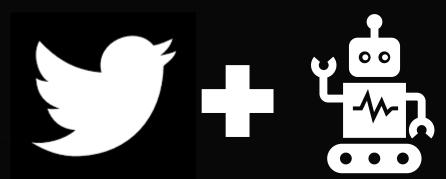
- Microsoft workers to Satya Nadella

"We refuse to contribute to tools that violate human rights"

- Amazon workers to Jeff Bezos







Guardian reported that bots were to blame for a quarter of posts perpetuating climate change denial on Twitter in 2017.

NY Times: Mobile phones @ White House



Norman sees

"A man is electrocuted and catches to death"

NORMANWorld's first psychopath AI.



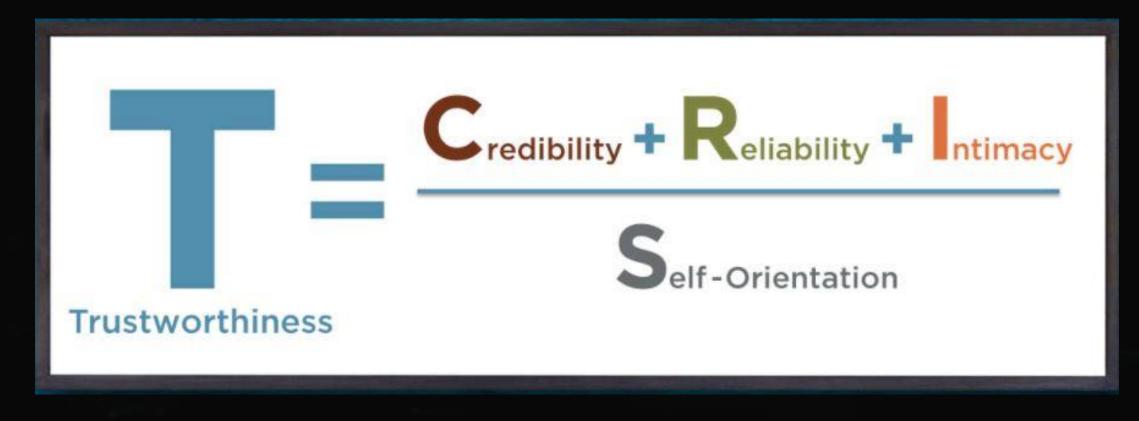
Standard AI see

"A group of birds sitting on top of a tree branch"



Bridgin gthe trust gap

The Trust Equation





Forrester Research: 45% of business leaders said that trusting Al systems was challenging or very challenging

KPMG Research: 70% of business leaders don't know how to govern Al

The era of self regulation is over. Time to have a sheriff in town.

(Obligatory Star Trek reference) "We will add your technological distinctiveness to our own, you will be assimilated"

