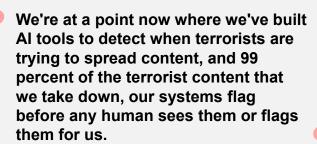


Who said it?







Association of Constants

Goodmans

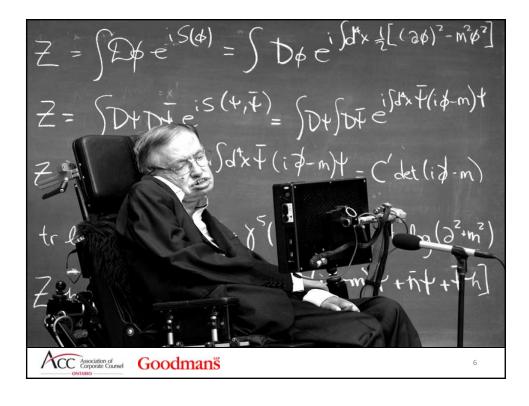
4

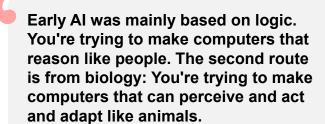


Success in creating Al would be the biggest event in human history.
Unfortunately, it might also be the last, unless we learn how to avoid the risks.



Association of Goodmans







Association of Coordinatis Goodman's

Panel



Peter Ruby Goodmans LLP



Ben Hackett Goodmans LLP



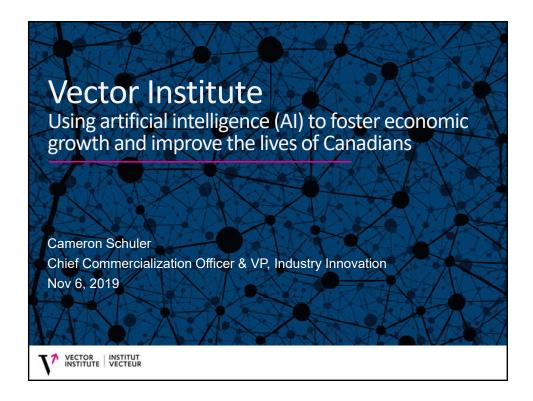
Cameron Schuler Vector Institute



Nagendra Krishnamurthy Tata Consultancy Services Canada Inc.







Agenda

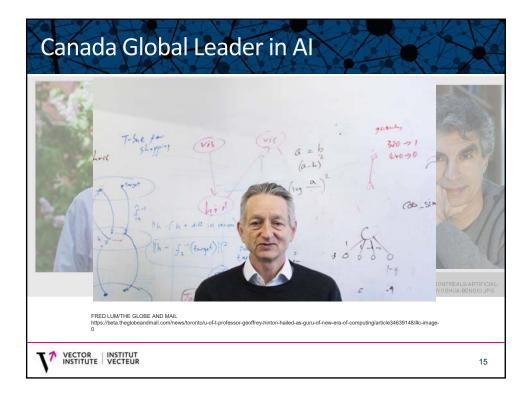
- Al in Canada
- What is AI?
- Practical Examples of AI











Geoff Hinton – Godfather of Deep Learning

- Turing Award 2019
- · Co-Founder & Chief Scientific Advisor, Vector Institute
- Vice President and Google Fellow
- Bloomberg 50 Most Influential People 2017
- Wired 100 list of global influencers 2016
- · Fellow: AAAI, Royal Society of Canada
- Awards
 - David E. Rumelhart prize
 - · Killam prize for Engineering
 - NSERC Herzberg Gold Medal
 - IEEE James Clerk Maxwell Gold Medal

Geoff Hinton – Godfather of Deep Learning

- Turing Award 2019
- Co-Founder & Chief Scientific Advisor, Vector Institute
- Vice President and Google Fellow
- Bloomberg 50 Most Influential People 2017
- Most Cited Researcher: Computing Science & Artificial Intelligence
- Fellow: AAAI, Royal Society of Canada
- Awards
 - David E. Rumelhart prize
 - Killam prize for Engineering
 - NSERC Herzberg Gold Medal
 - IFFF James Clerk Maxwell Gold Medal



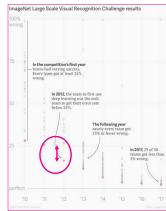
17

Single biggest shove: ImageNet 2012

"Indeed, if the artificial intelligence boom we see today could be attributed to a single event, it would be the announcement of the 2012 ImageNet challenge results." – Quartz magazine

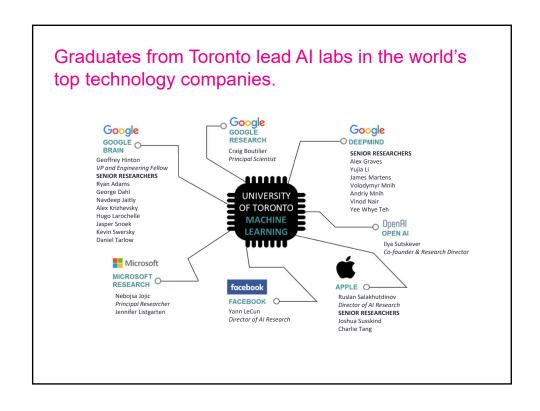


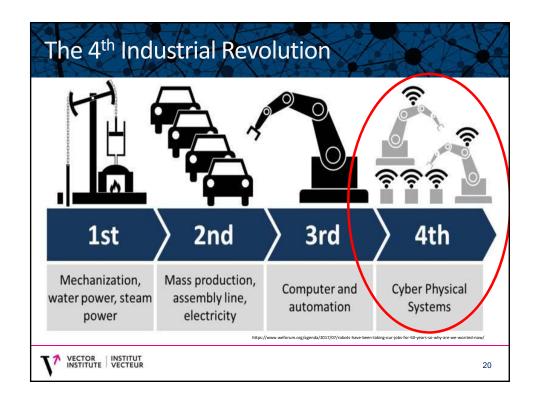
llya Sutskever, Alex Krizhevsky and University Professor Geoffrey Hinton of the University of Toronto's Department of Computer Science (photo by John Guatto)



https://qz.com/1034972/the-data-that-changed-the-direction-of-ai-research-and

VECTOR INSTITUT





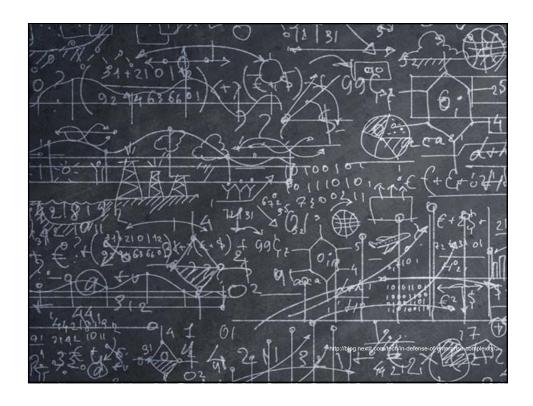




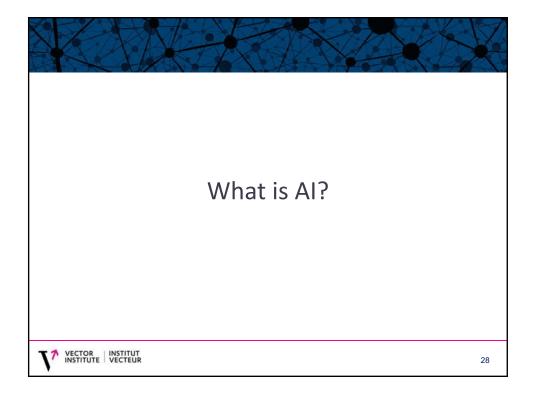


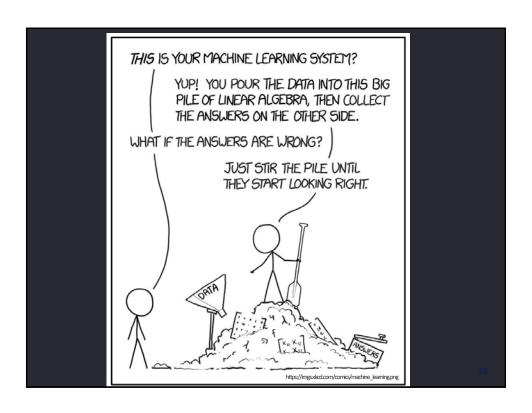




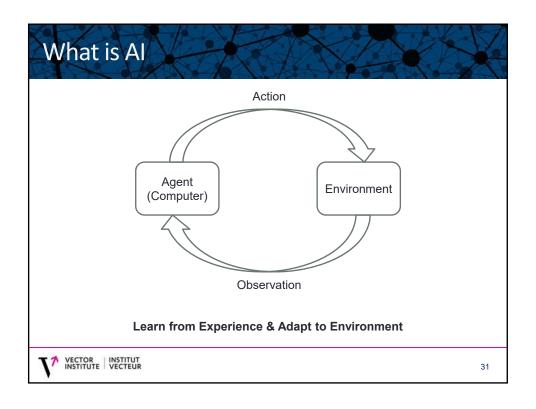


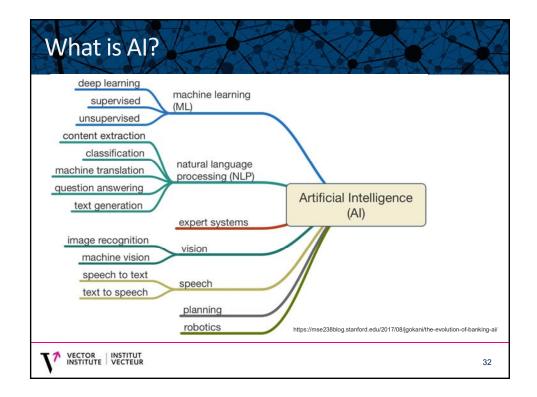


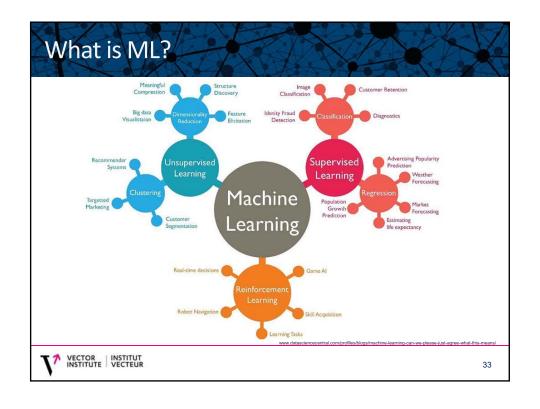


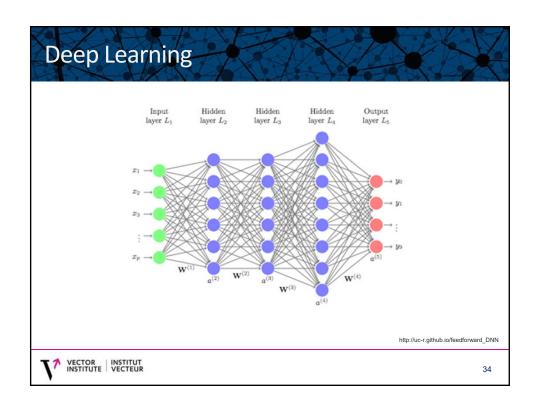


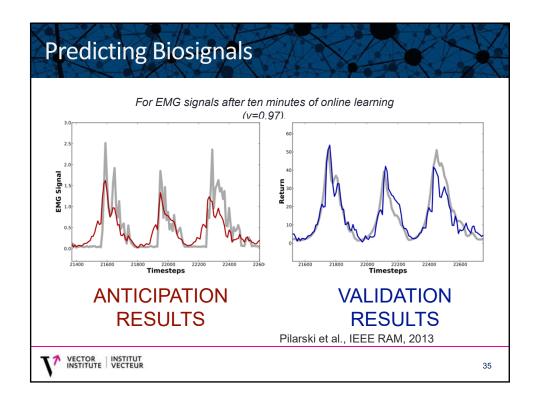




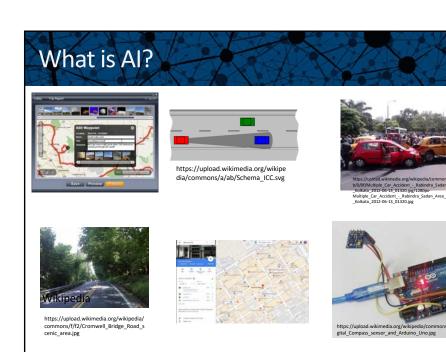








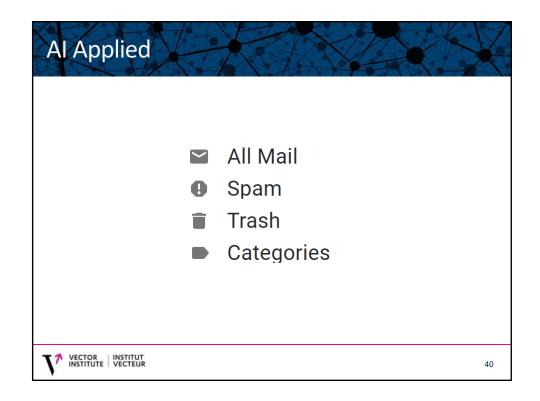




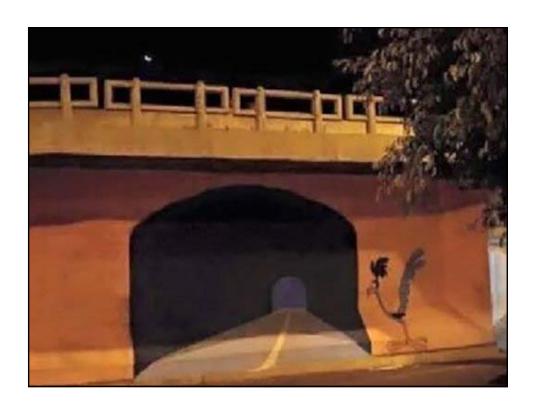
VECTOR INSTITUT



Al Applied UDACITY By Udacity - https://www.udacity.com, Public Domain. https://commons.wikimedia.org/wifindex.php?curid=70810450









Thank you

industry@vectorinstitute.ai





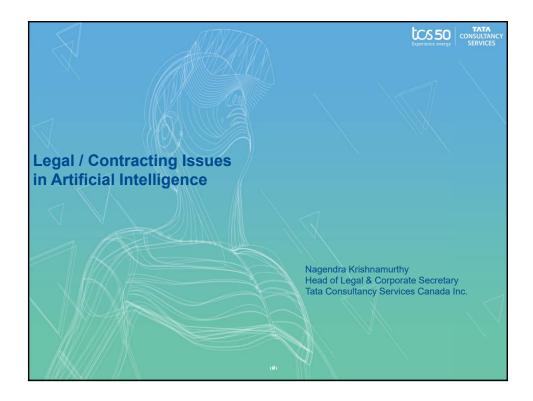


Data

- Data is crucial to Al
- · Cutting edge data models
 - Data trusts
 - Differential privacy
 - Federated learning











Disclaimer:

The views expressed are personal and do not represent that of the employer.



E 1

Legal Issues (Cont.)

- · Legal Issues in:
 - · Building your own AI system
 - · Implementing a commercial off-the shelf AI
- · Intellectual Property Rights
 - · License or SaaS
 - · Ownership of Derivative Works
 - Employment Contracts Assignment of Copyrights from the Employees to the Employer
 - · Open Source Software

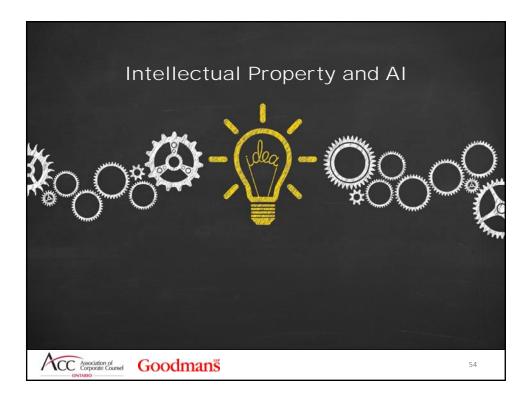


Legal Issues (Cont.)

Liability

- "When algorithms mess up, the nearest human gets the blame"
- Is Al just a tool of the operator / human?
- · Machine Generated Consequences
- Traceability
- · Contractual Liability Issues
- Tortious Liability Duty to take reasonable care
- Compulsory Insurance Scheme?
- Testing and Certification Process "Turing Registries"





Traditional Categories of IP Protection



- Copyright
- Patents
- · Trade secrets
- Trademarks

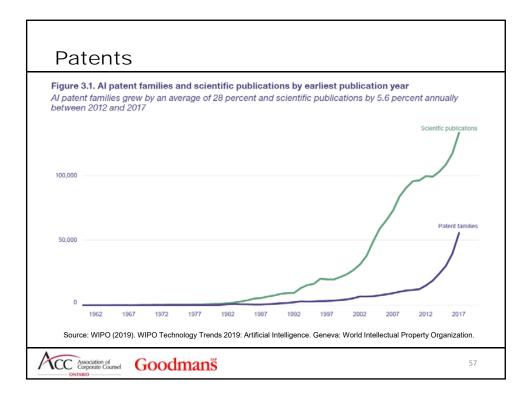


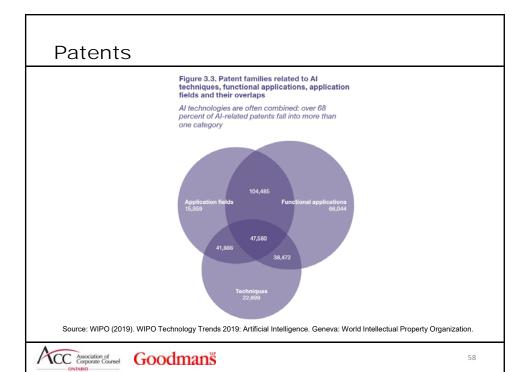
How Can AI Interface with Conventional Copyright and Patent Law Concepts?



- · Identifying an inventor
- · Creating a property right in something that is constantly changing
- Meeting patentable subject matter requirements







IP Issues to Consider - Copyright

- Are your inputs protected?
- Are you infringing by text and data mining?
- Does copyright exist in works created by Al?
- What is the strength of the protection?



IP Issues to Consider - Patents

- Is the process, software, algorithm or product patentable subject matter?
- · Who is the inventor?
- · How do you define the scope of the invention?
- Can you detect infringement?
- Freedom to operate?



IP Issues to Consider - Trade Secrets

- Intellectual "property"
- · Can it be reverse engineered?
- Maintaining secrecy through NDAs and other means









Responsible Al



CIO Strategy Council (Canada)



ITechLaw

Governance for AI

- · Purpose of using Al
- Data suitability
- · Monitor and iterate
 - Extent of human supervision
- Employee training

- Measure negative outcomes (risk analysis)
 - Including ethics
- · Internal accountability
- · Compliance regime
 - Privacy
 - Cybersecurity
 - Data governance
 - Complaints
 - Legal





Contracting

Association of Goodmans



Contract Provisions to Adjust for Al

- · Description of deliverable
 - Service levels
- · Data / Personal Data
- · Intellectual Property Rights
- Exclusivity

- · Liability risk allocation
- · Reps and Warranties
- Indemnities
- · Algorithmic audits
- · Dispute resolution





