#### CENTRE FOR Artificial Intelligence and Public Policy

Te tari Rorohiko Atamai, Kaupapa Here Tūmatanui

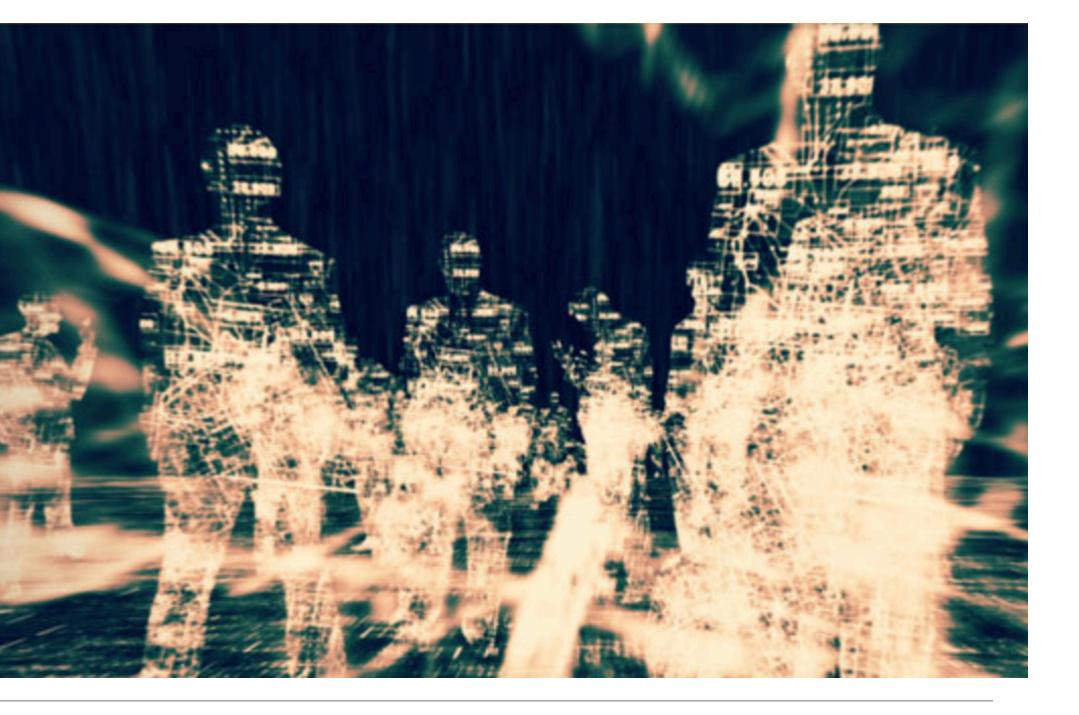
#### Government Use of Artificial Intelligence

James Maclaurin

Centre for Artificial Intelligence and Public Policy Artificial Intelligence and Law in New Zealand Project



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### China's Social Credit System

- A national system to standardise citizens' and businesses' economic and social reputation.
- Announced in 2014, it is to be completed by 2020 and details are still sketchy.
- It will take into account a wide range of data about you and your friends.
- The scheme *might* influence:
  - travel and public services including internet
  - education and employment
  - social status



 The scheme will apply to both people and businesses and it will focus on "honesty in government affairs", "commercial integrity", "societal integrity", and "judicial credibility".



BUSINESS INSIDER AUSTRALIA

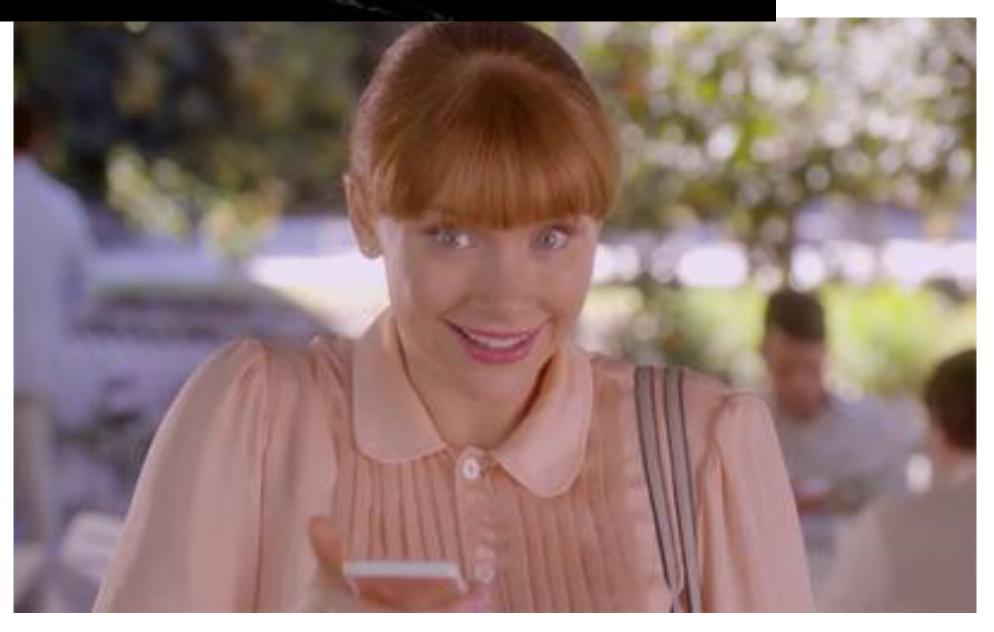
TECH MO

# China has started ranking citizens with a creepy 'social credit' system -- here's what you can do wrong, and the embarrassing, demeaning ways they can punish you

ALEXANDRA MA APR 9, 2018, 6:07 AM







Bryce Dallas Howard in "Nosedive" Series 3, Episode1 of Black Mirror Directed by Joe Wright

- We are doing something that is a little like social credit.
- <u>NOT</u> creepy and authoritarian
- contexts.





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• But we are employing big data to produce lots of 'scores' for New Zealanders in many



	-
ACC	Automated clain Conversion prot Expected claims Rehab tracking Financial Impact Smart support Fraude, waste a
Corrections	Risk of Reconvid
Internal Affairs	Passport applica Passport facial r Passport risk Birth and death Citizenship by b



ms approval bability is outcome

t

and abuse

iction / Risk of Re- imprisonment "RoC\*RoI".

ations recognition

registration



Inland Revenue	Automatic refun Good comparat
Business, Innovation and Employment	IDMe (Identity M Visa application Advance Passer Passenger name
Education	School transpor
Health	InterRAI (assess CPAC (elective s
Justics	Segmentation (f Work manager Attachment orde



#### nd

tor tool (estimating company tax suppression)

- Management)
- risk triage
- enger Processing
- ne records

rt route optimiser

sing health needs of older New Zealanders) surgery assessment)

fine resolution)

lers (debt collection)



Social Development	Client Service Matching NEET (youth no in education, employment or training)
Customs	Targeting profile (detecting smuggling) Customs business improvement
Police	Youth offending risk screening tool Family violence risk assessment tools Victim History Scorecard

- These algorithms are mostly limited to central government.
- This is a stocktake not an audit





#### There are plenty of challenges

Collection, consent, use of data Fairness / accuracy

**Data Sovereignty** 

Effects on politics, democracy, free speech

Privacy, surveillance

> Regulation, liability, institutions

Autonomy

Control, human factors

Inclusion

liability / responsibility

Trust

**Effects on Māori** 

### Effects on employment, professions

Effects on productivity, the economy...

Economic & social inequality, polarisation

**Human Rights** 

Explainability

Governance

Bias, discrimination

Recreation, family life, social interaction Effects on: Health, Education training, Justice policing crime, defence security...

Effects on wellbeing

Business, innovation

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Fairness / accuracy

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Explainability

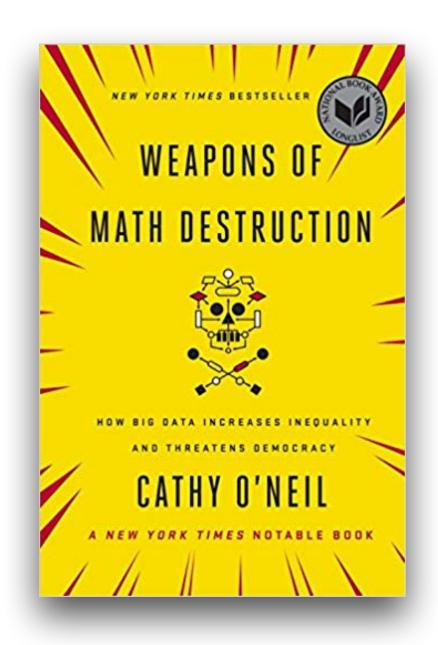
Governance

Bias, discrimination

Justice policing crime,

#### Some things New Zealand needs to watch out for

#### Bias







#### Inequality



#### AUTOMATING INEQUALITY

NOW HIGH-TECH TOOLS PROFILE, POLICE, AND PUNJSH THE POOR



#### Control

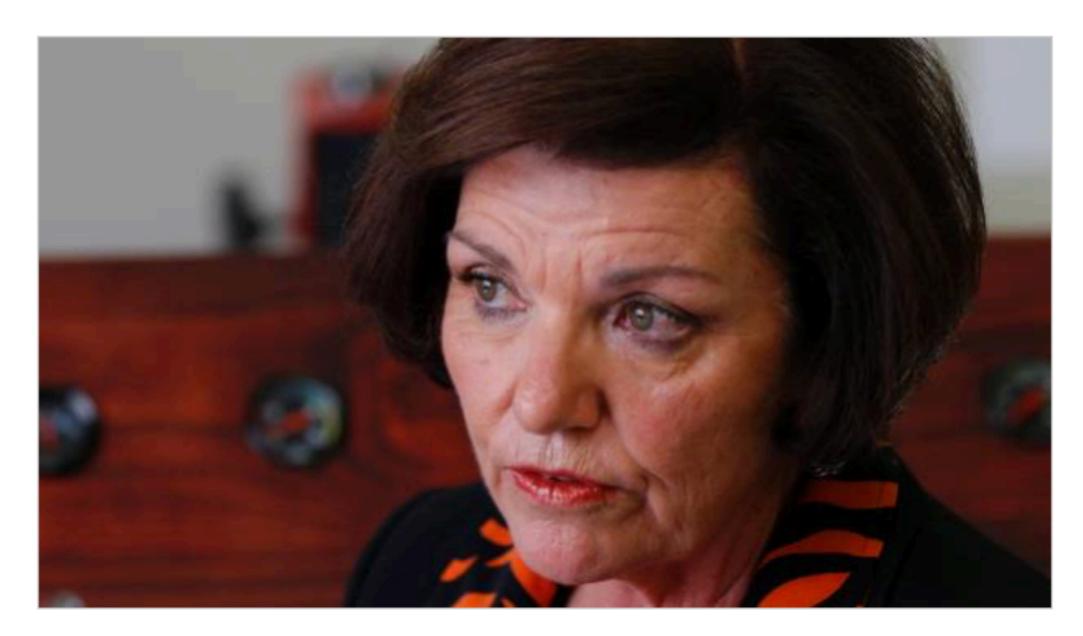




## There have been plenty of miss-steps along the way...

#### Children 'not lab-rats' - Anne Tolley intervenes in child abuse experiment

STACEY KIRK Last updated 05:00, July 30 2015





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# There have been plenty of miss-steps along the way...

#### Immigration NZ's data profiling 'illegal' critics say

5 Apr, 2018 11:12am





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③2 minutes to read



#### On a positive note

- New Zealand's focus on social investment has made us think of algorithms as an important part of government, worthy of scrutiny and crucial to our success.
- We've learned some important lessons.



