

Algorithmic Systems and Fair Decision-Making Processes

Dr. Jennifer Raso

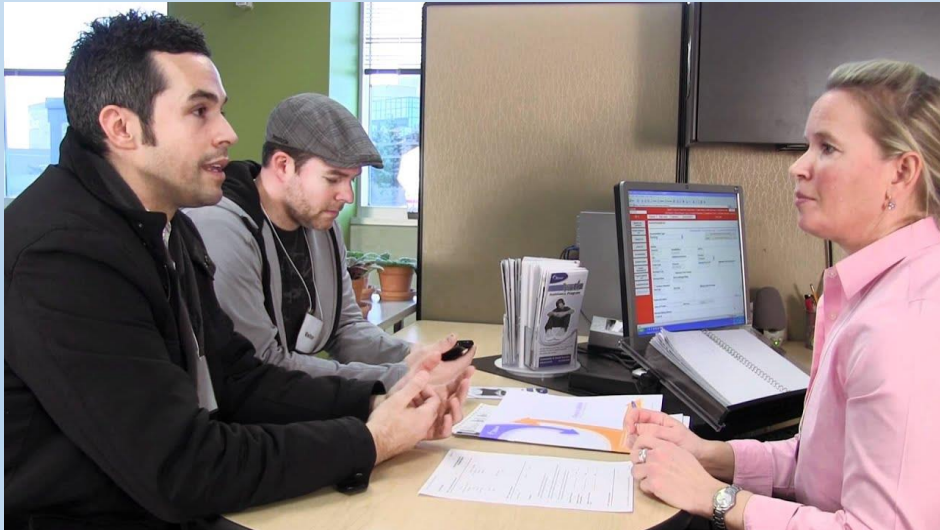
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Innovation at the Front-Lines: Administrative Decision-Making

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How You Have Responded: Better Outcomes

46 Ontario Children's Aid Societies modernized	15,000 New Zealand Investment Model – young people off welfare	750,000 ACA applications processed through IBM Cúram during 1st Open Enrollment	349,000 New claims based on ability in the UK in the first year
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Innovation at the Front-Lines: Administrative Decision-Making



Automating poverty

Digital dystopia: how algorithms punish the poor

In an exclusive global series, the Guardian lays bare the tech revolution transforming the welfare system worldwide - while penalising the most vulnerable

by [Ed Pilkington](#) in New York

Overview

- Defining Algorithmic Systems
- Example: Social Assistance Decisions
- What's (Administrative) Law Got to Do With It?

Algorithmic Systems

Artificial Intelligence

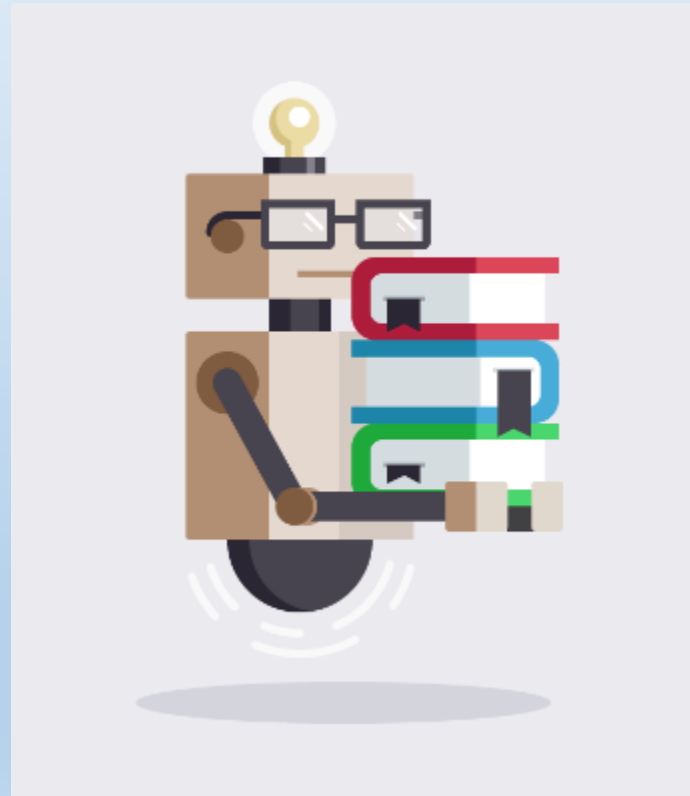
Algorithms

Machine Learning

Automation

Big Data

Risk Prediction




Algorithmic Systems



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Online Application for Social Assistance

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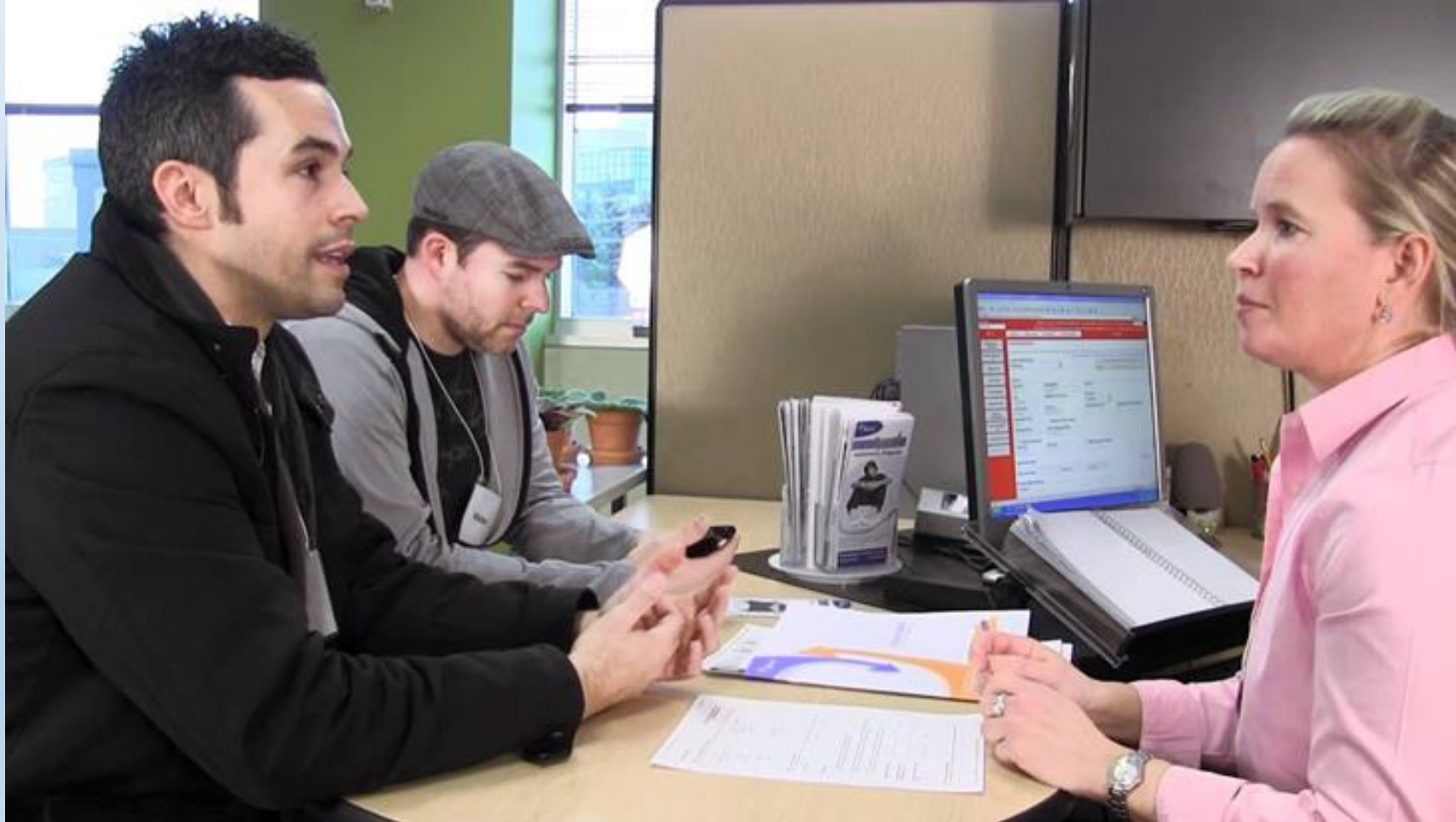
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Eligibility and Applying

Find out if you are eligible or begin the application process by clicking on the appropriate link below:

Ontario offers four programs you may be able to apply for:

Example: Social Assistance Decisions



What's (Administrative) Law Got to Do With It? Fair Process and Participatory Rights

What's (Administrative) Law Got to Do With It?

Fair Process and Participatory Rights



Procedural Fairness:

- Requirements depend on “context”

What's (Administrative) Law Got to Do With It? Fair Process and Participatory Rights



Procedural Fairness:

- Requirements depend on “context”
- A cornerstone of administrative law

What's (Administrative) Law Got to Do With It?

Fair Process and Participatory Rights



Procedural Fairness:

- Requirements depend on “context”
- A cornerstone of administrative law
- Includes “participatory rights”

What's (Administrative) Law Got to Do With It?

Fair Process and Participatory Rights



Participatory Rights:

Their purpose is to ensure that “administrative decisions are made using a fair and open procedure, appropriate to the decision being made and its statutory, institutional, and social context, with an opportunity for those affected by the decision to put forward their views and evidence fully and have them considered by the decision-maker.”

Baker v Canada, [1999] 2 SCR 817 (para 22)

What's (Administrative) Law Got to Do With It?

Fair Process and Participatory Rights



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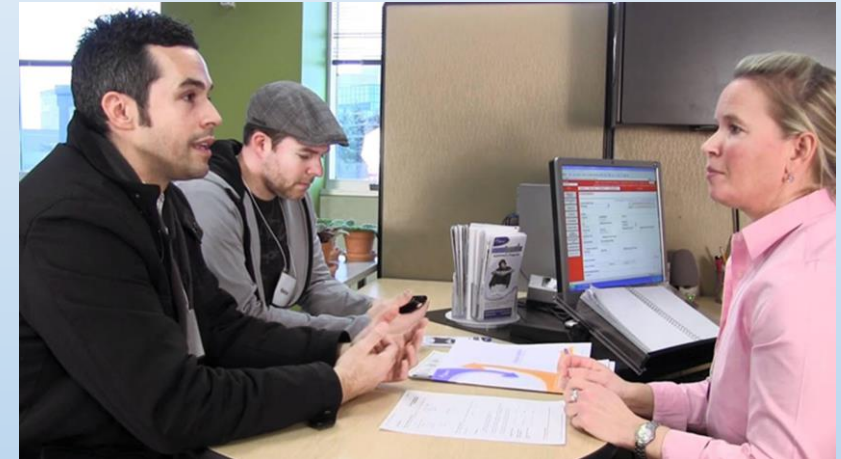
Baker v Canada, [1999] 2 SCR 817 (para 22)

What's (Administrative) Law Got to Do With It?

Fair Process and Participatory Rights


Participatory Rights:

- Are those affected by a decision able to put their views and evidence forward?
- Are their views and evidence considered by the decision-maker?



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Eligibility and Applying

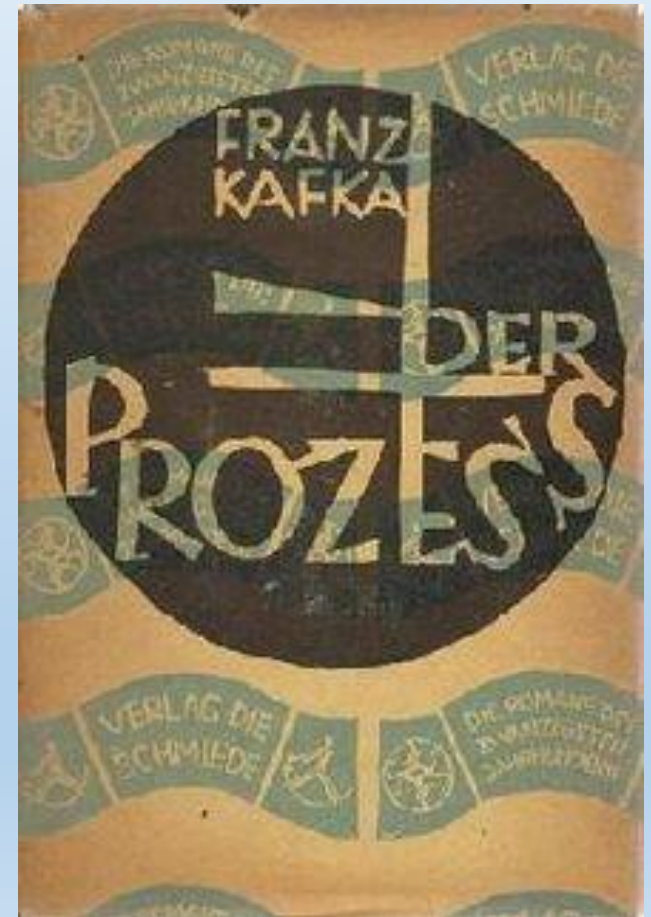
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Algorithmic Systems and Fair Decision-Making Processes?

Basic Challenges for Participatory Rights:

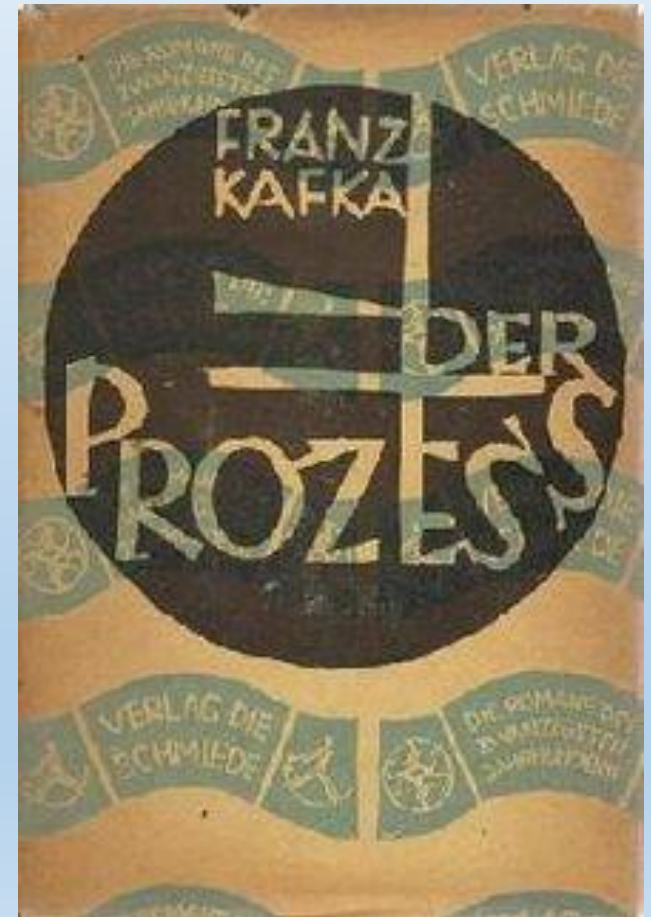
- How do affected individuals learn about the decision being made? Are they able to challenge the basis of the decision?



Algorithmic Systems and Fair Decision-Making Processes?

Basic Challenges for Participatory Rights:

- How do affected individuals learn about the decision being made? Are they able to challenge the basis of the decision?
- How are the concerns of impacted individuals “heard” by an algorithmic system?



Questions?

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