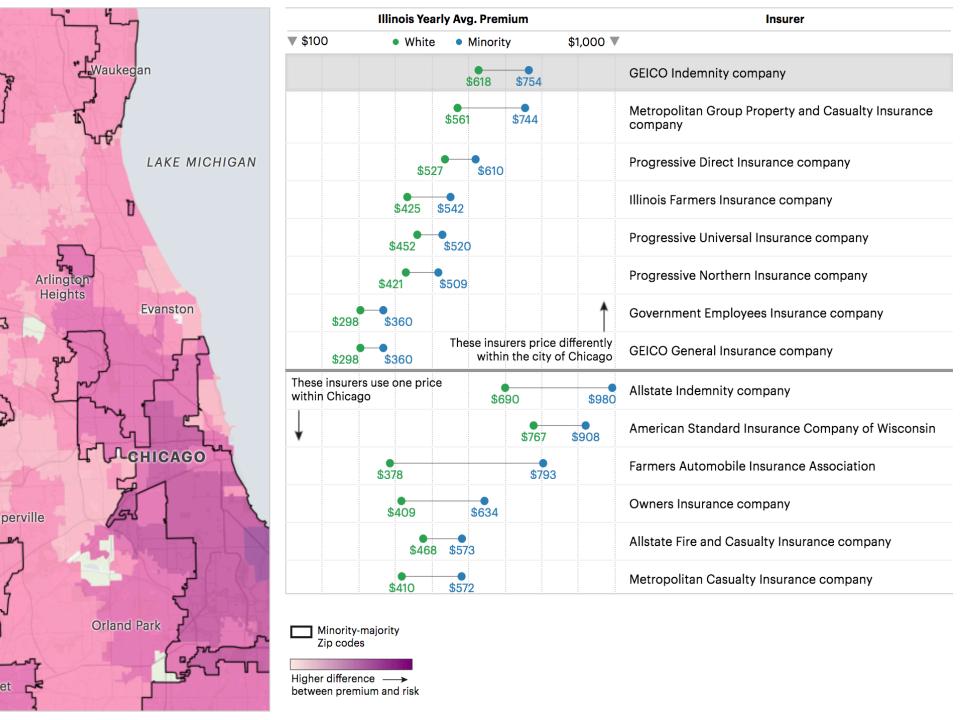
Five Reasons Why Algorithmic Accountability Is Hard

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Five Reasons

- I. Information Deficits
- 2. Sociotechnical Assemblages
- 3. Temporal Instability
- 4. Expectation Setting
- 5. Legal Barriers

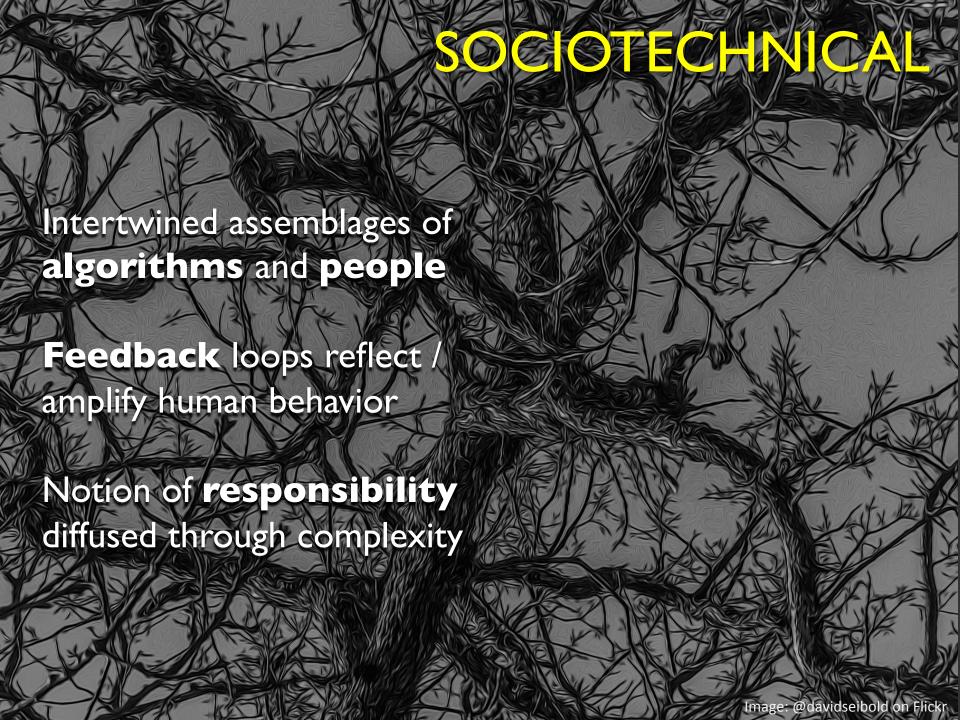
INFORMATION DEFICITS

External auditing may suffer from knowledge gaps

Omitted variable bias

Mechanism identification difficult from observational studies

Cooperating target still controls access



INSTABILITY

Dynamic systems that can change at almost any time (or not)

Randomness and probabilistic behavior

Tradeoffs between sampling **rates** and resources for auditing

Conveying results dynamically, beyond monitoring dashboards

EXPECTATIONS

What **should** be the behavior of an algorithm?

Where does that **expectation** come from?

How do we **define** that and measure it quantitatively?

FAIRNESS ZONE



Thanks! Questions?

Contact

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