data-ppf.github.io apr 30 2019

lecture 14 of 14: future of data

chris wiggins + matt jones, Columbia

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    - related: who has power?

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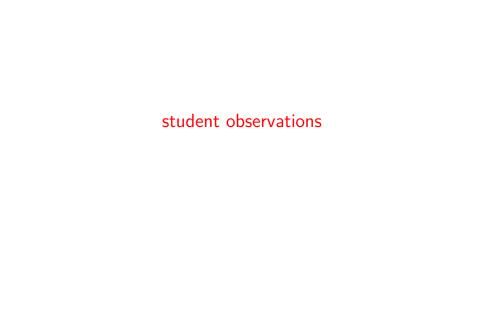   - terminator problem

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- "I was hoping for more concrete solutions. But, I guess that's the nature of the problem, that there's no quick way to fix this, and that it does take a deeper exploration, collaboration across the humanities, willingness to change the structure of AI, and the regulations by the government to help move us forward."

readings: Rana F, Renée DiResta,CA,AI Now
[optional: NYT on Kahn]

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- "*privacy has become a competitive advantage.*"

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tech, data policy, and interaction design:

- ▶ on device-ML, aka 'edge computing', with 'federated machine learning'

corporate positioning w.r.t. policy:

The comment was a clear swipe at Google and Facebook, both of which have been fined by national privacy watchdogs for their data collection methods, as well as [. . . to GDPR] But it was also a new kind of marketing pitch.

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  - ▶ "clients...own..rights to their end data" and "' learning' from it."

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IBM (B2B) details:

won't keep any proprietary data in their servers for more than a specified contract period

informational wealth ... owned by [corporate/state] clients themselves

Apple (B2C) details:

> *Apple. . . touting a technique known as "differential privacy". . . before it leaves a user's device*

- Cook: "privacy is a fundamental human right" (though unclear how China as a market will impact this)

  it's good PR, and that's certainly something that Big Tech could do with these days (recall 'ethics theater' – Whittaker)

Renee DiResta: "What's the Prescription?"

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  - potential collateral benefit: security through multiplicity and smaller-scale diffusion

4 areas: "oversight, cooperation, education, nat'l security center"

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- "SEC for the technology industry."

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- "pen-testing," "bug bounty"

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People power: "The Tech Revolt"

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A sometimes pointed, sometimes resigned conversation with engineers, designers, research scientists, and job candidates who are pushing for a more ethical Silicon Valley

Interviews by Cameron Bird, Sean Captain, Elise Craig, Haley Cohen Gilliland, and Joy Shan

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9. meredith whittaker, founder and lead of google's open research group and co-founder of the AI Now institute at new york university (GOOG, Apr-Nov 2018)

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- May 2018: ACLU report on Amazon
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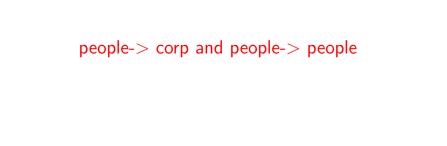
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people-> corp and people-> people

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"Before it was this glorious, magical thing to work there,"
said Jazz Singh, 18, also studying computer science.

"Everyone cares about ethics in tech before they get a
contract," – Olivia Brown, 20, head of Stanford's
Computer Science and Social Good club and an iOS intern
at Mozilla

► "I Don't Really Want to Work for Facebook.' So Say Some
Computer Science Students.'
https://www.nytimes.com/2018/11/15/technology/jobs-
facebook-computer-science-students.html

AI Now: "Solutions [and] Needed Next"

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DECEMBER 2018

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  the problems these techniques ultimately aim to remedy have deep social and historical roots, some of which are more cleanly captured by discrete mathematical representations than others.

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- Broader: "Value Sensitive Design"

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contra, e.g., principles

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contra, e.g., principles

Emerging Solutions 2.3 Why Ethics is not Enough

- ▶ define and design: "oversight and accountability"

  a drastic (if momentary) drop in Facebook and Twitter's share price occurred after they announced efforts to combat misinformation and increase spending on security and privacy efforts.

AI Now "What Is Needed Next"

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- 3.7 Research and Organizing: An Emergent Coalition

power and principles

how did new capabilities rearrange power? who can now do what, from what, to whom?

role of rights, harms, justice?

foreshadowing data for Thursday

reminder of themes/big main takeaways

themes

up next

appendix

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