

#ethics in a #machinelearning world

Pieter Brinkman @pieterbrink123



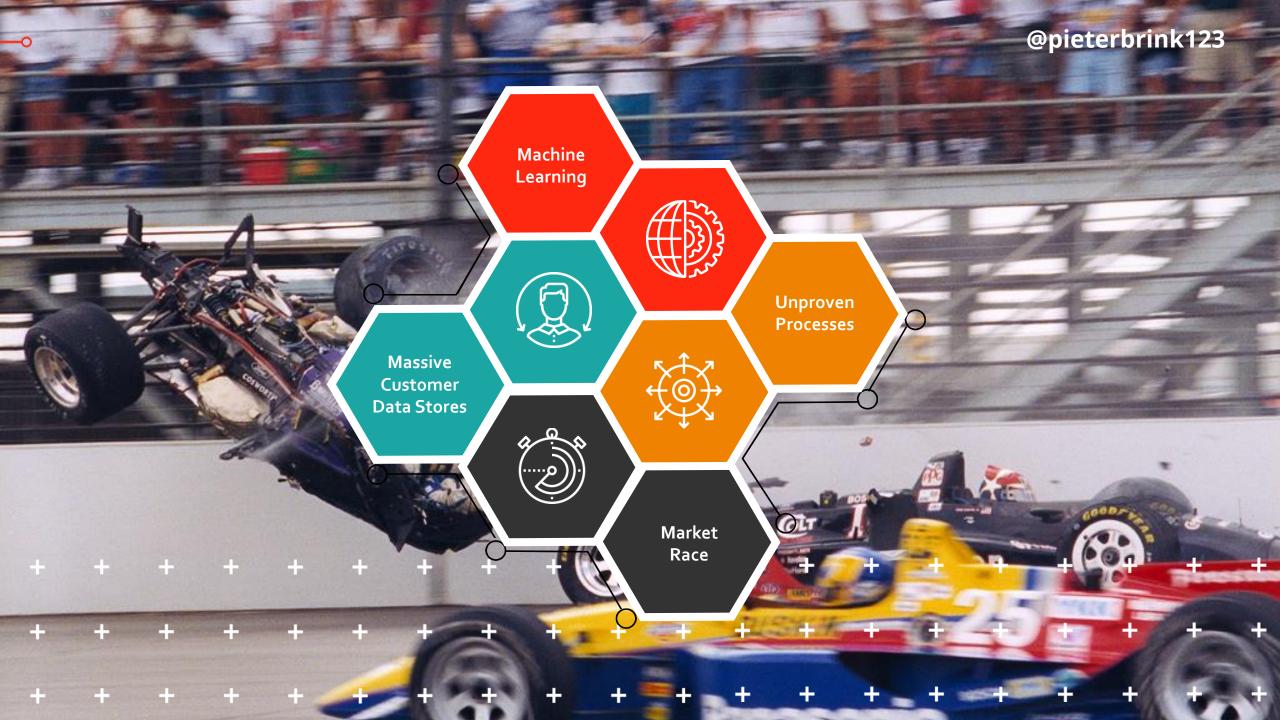


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ON THE TOPIC OF AI:

I just watched the @Google #duplex video. Absolutely amazing. As Al grows, it's not the machines that I'm afraid of, it's the humans that control the machines that frighten me. Al will be used by the super rich to manipulate, deceive, and exploit us.

8:50 AM - 10 May 2018

@Peesha_Deel, Swirling Archer

realizing. The obvious question soon followed: Should AI software that's smart enough to trick humans be forced to disclose itself. Google executives

Mark Bergen, Bloomberg

Google Assistant making calls pretending to be human not only without disclosing that it's a bot, but adding "ummm" and "aaah" to deceive the human on the other end with the room cheering it... horrifying. Silicon Valley is ethically lost, rudderless and has not learned a thing.

8:12 AM - 9 May 2018

@Zeynep, Zeynep Tufekci UNCSILS professor & NYTimes writer With no exceptions so far, the sense of these reactions has confirmed what I suspected – that people are just fine with talking to automated systems so long as they are aware of the fact that they are not talking to another person. They react viscerally and negatively to the concept of machine-based systems that have the effect (whether intended or not) of fooling them into believing that a human is at the other end of the line. To use the vernacular: "Don't try to con me, bro!"

Lauren Weinstein, People for Internet Responsibility









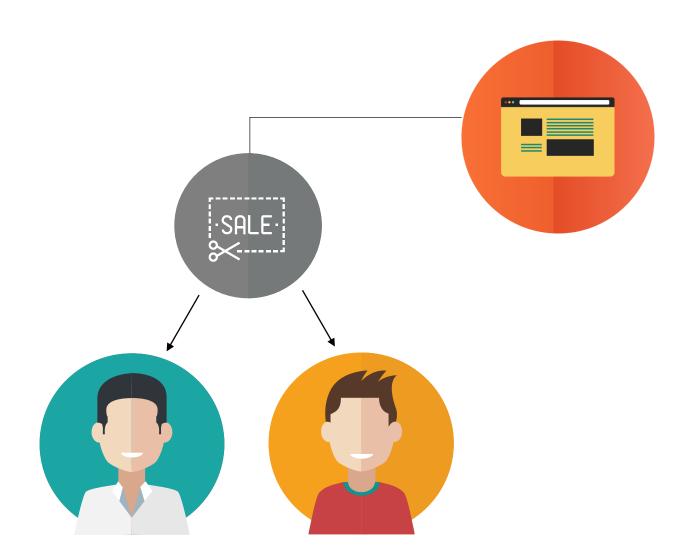


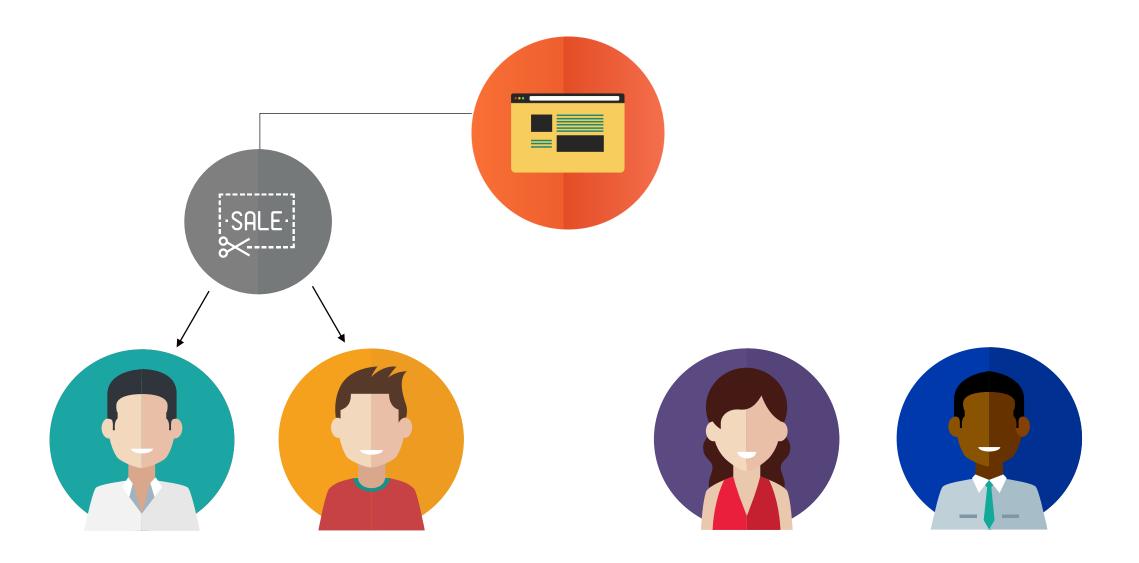


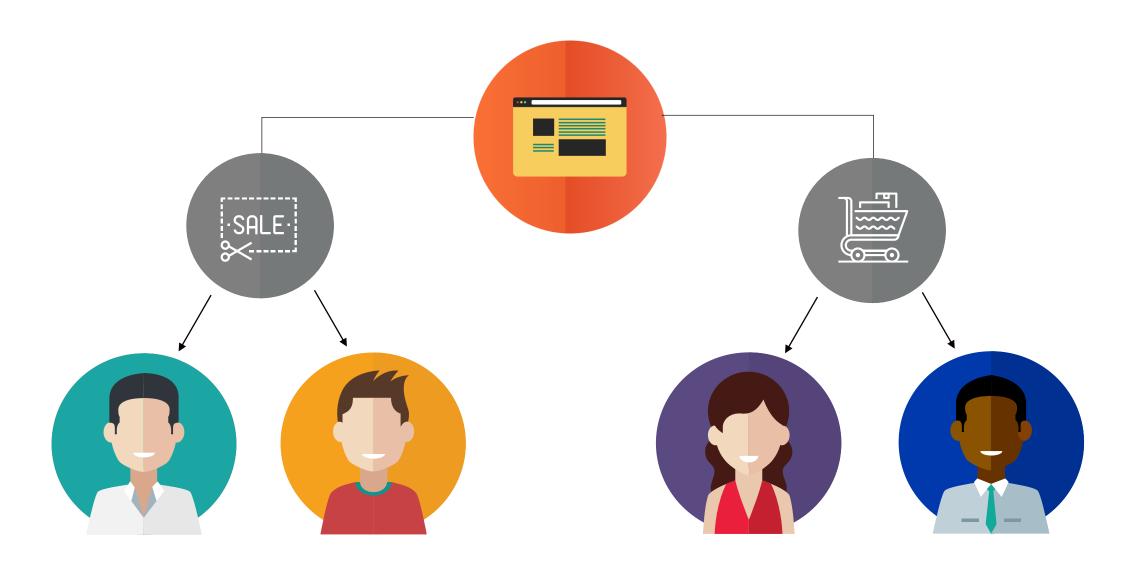


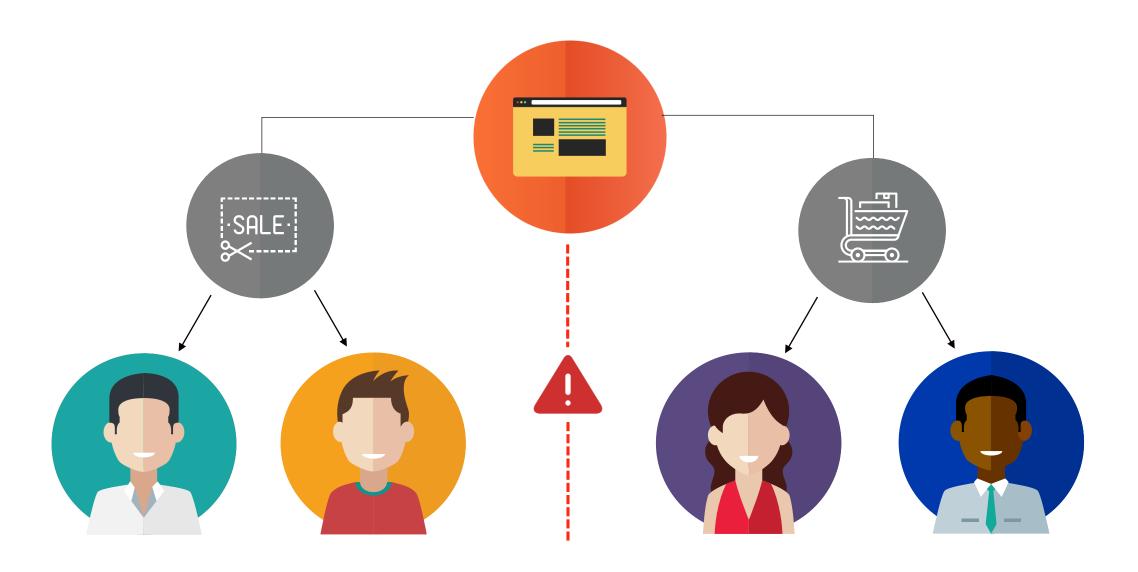


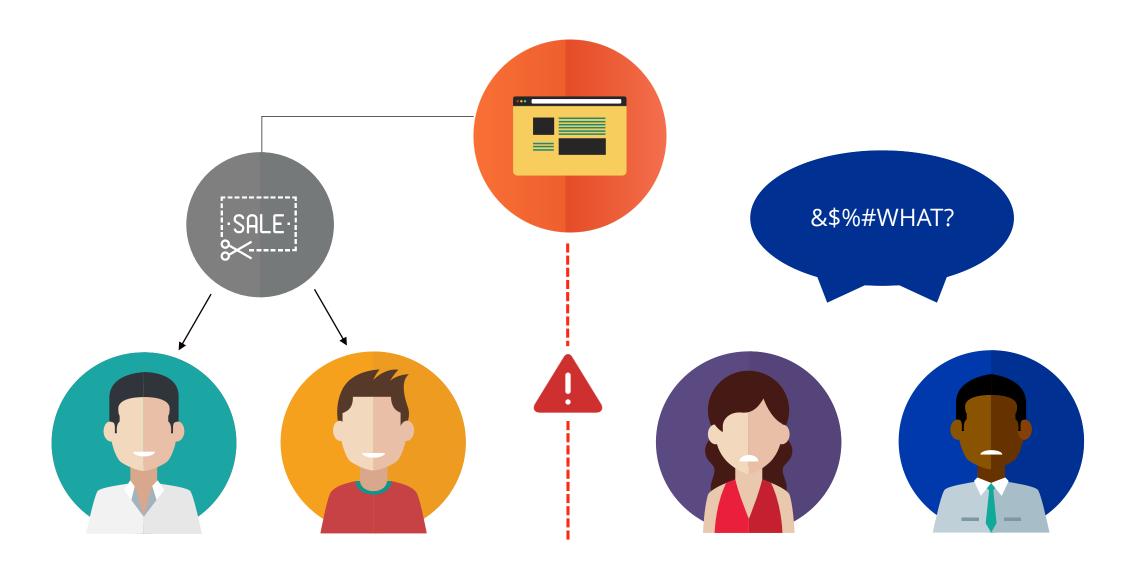


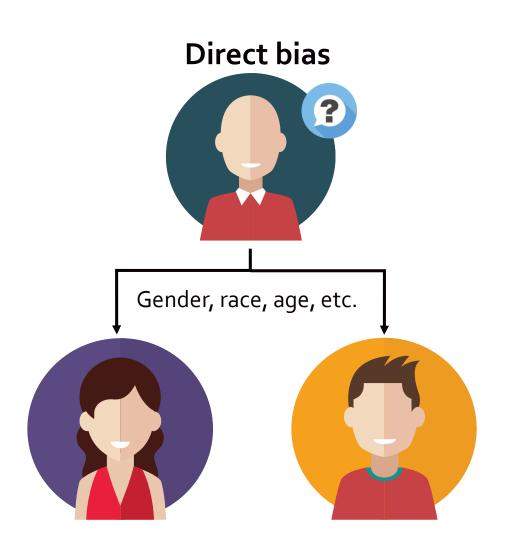


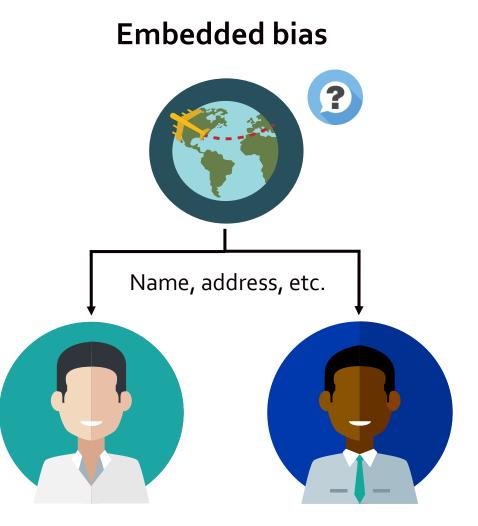
















Integrity

Organization adopts

Culture of Integrity



Individualize

Context over
Demographics



Diversity

Data & Team Diversity
Fairness Testing



Culture of Integrity

@pieterbrink123

Integrity is hard

- Shifts in org culture
- Removing the blame game
- Enabling individuals on ethical scenarios



Organizations mimic behavior of their leaders!

Must start from the top down



Ask SHOULD instead of COULD

Individuals need to be supported to work in an environment where they can question decisions and actions.



Ultimately YOU are responsible.

Ethics is everyone's job!





Behavior wins.

Model outcomes based on actions, not assumptions based on age, gender, etc.



Track it. Safely.

In order to model after behavior, you need to store behavioral data and profile it.

Make sure you are doing this with privacy in mind!



Blindness is not a cure.

Ignoring demographic data will not fix everything, but it sure can help!



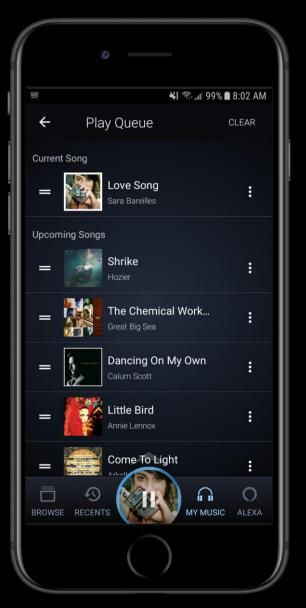
Context takes time

You need to build up behavioral data in order to make predictions.

Existing data sets based on demographics are already out there.







Smells like team spirit Nirvana



Smells like team spirit Nirvana



Fallin' Alicia Keys



Choose your playlist

Smells like team spirit
Nirvana



Fallin' Alicia Keys



Cleopatra Lumineers



Choose your playlist

Smells like team spirit
Nirvana



Men, 35-50

Fallin' Alicia Keys



Women, 30-40

Cleopatra Lumineers



Hipsters, 25-35



Lack of diversity in the team leads to unconscious bias.

Think: Non-binary gender? Physical differences? Cultural differences? Ability differences?



Diverse teams can more easily break into other markets and deliver better experiences

Think: China, Japan, etc.



Diversity

Diverse data allows your algorithm to cover the entirety of your audience and increase accuracy of results

Think: Will they tell the story of when you got it right?







ETHICS ALL THE THINGS!



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THANK YOU.

Be excellent to each other!

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