Recognizing Cultural Bias in AI

Camille Eddy
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@nikkymill
Addressing Sexism:
Relationships that are common in our language appear in machine translations

father : doctor :: mother : x
x = nurse

man : computer programmer :: woman : x
x = homemaker

MIT Technology Review – Word2vec
The Coded Gaze

Joy Buolamwini

Addressing Racial Bias:
@godblessameriga WE'RE GOING TO BUILD A WALL, AND MEXICO IS GOING TO PAY FOR IT

RETWEETS 3  LIKES 5

1:47 AM - 24 Mar 2016
The way we use algorithms can have serious consequences for our personal knowledge
Filter Bubbles

Eli Pariser

Beware Online Filter Bubbles

Google and the Miseducation of Dylann Roof
Why is it this way?
Who develops the technology?

Who uses the technology?
How do we fix it?

make it better

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How do we fix it?
• Responsibility

• Transparency

• Accountability
Explainable AI (XAI)

Accuracy: ________
We need more organizations and services to combat bias!

... And encourage more people to create and consume
Dr. Jedidah Isler
The Untapped Genius