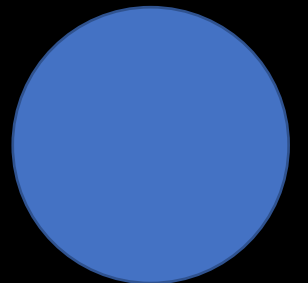




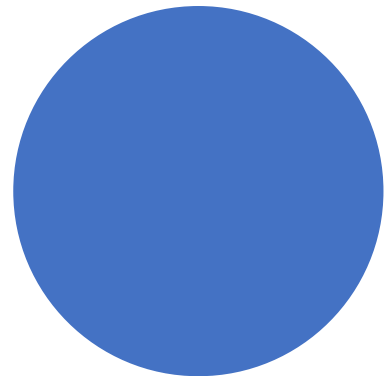
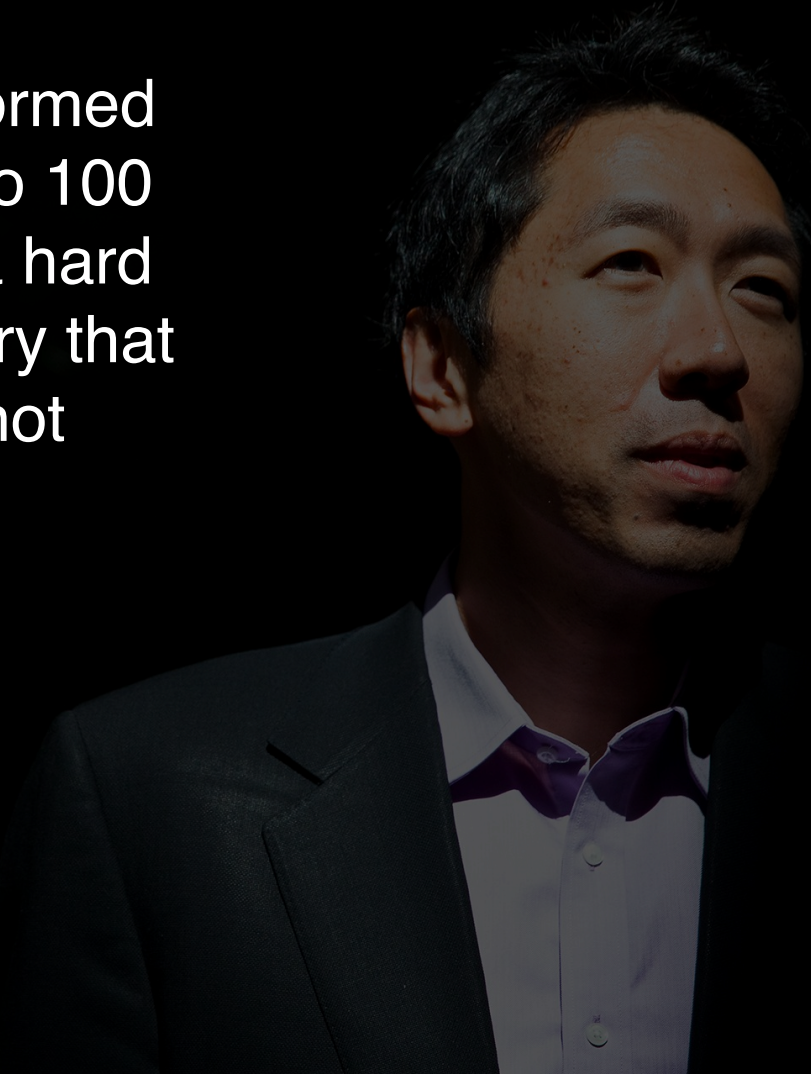
**Module 2 – AI driving exponential changes**

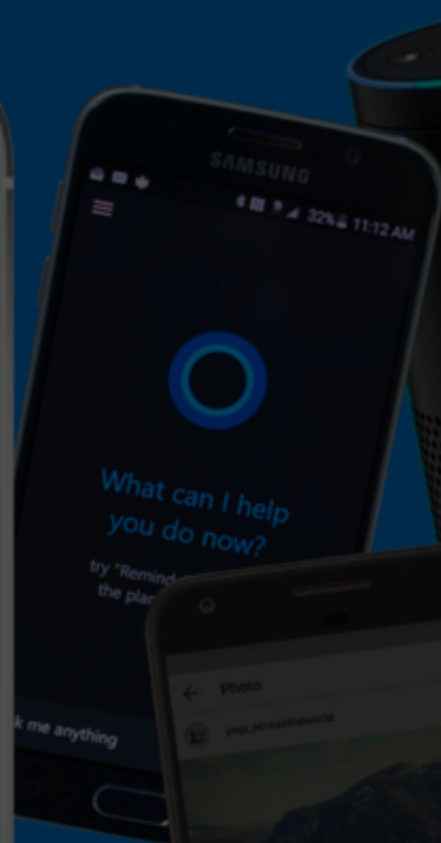
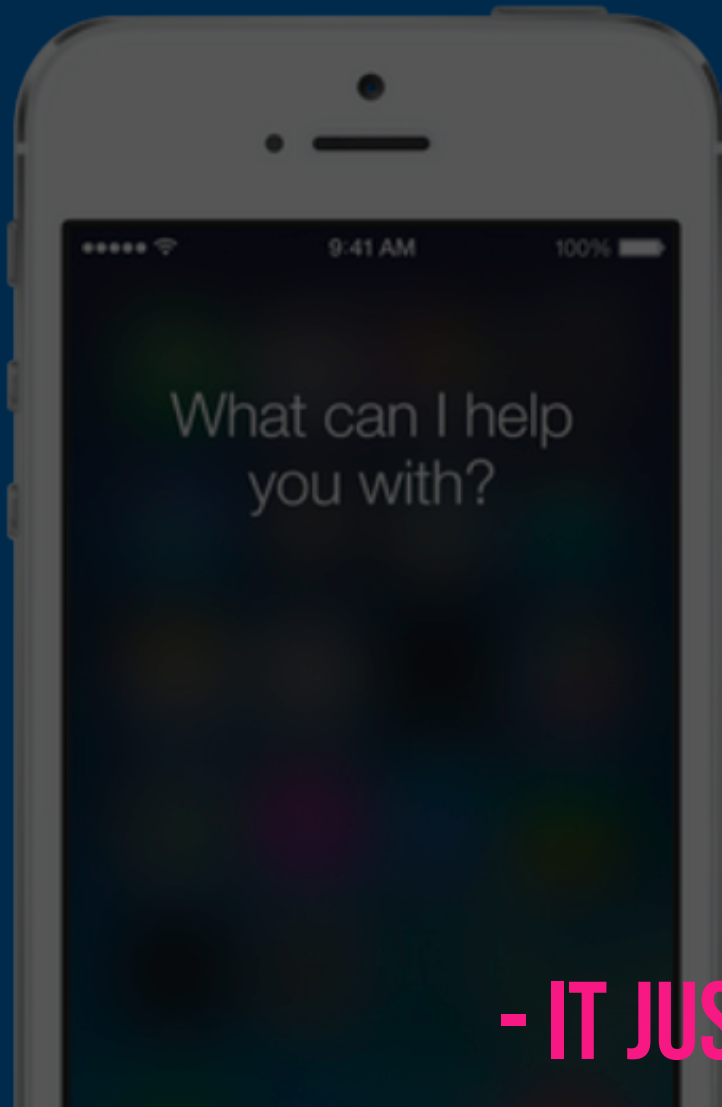
Class 3 – AI Challenges



“Just as electricity transformed almost everything close to 100 years ago, today I have a hard time thinking of an industry that Artificial Intelligence will not transform.”

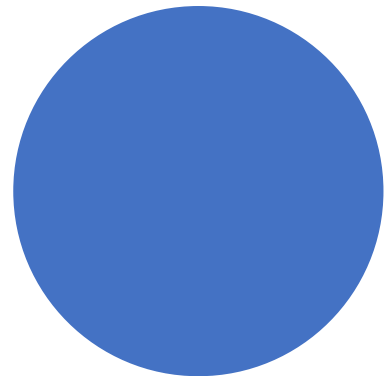
**ANDREW NG**





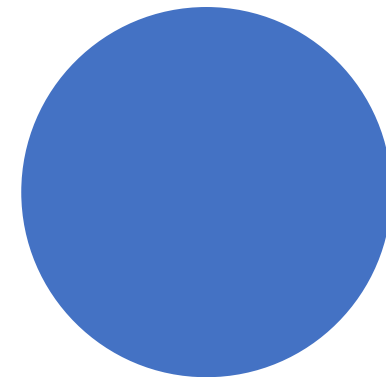
**+ NATURAL USER INTERFACE**

**- IT JUST BRING ONE SINGLE RESPONSE**





**+ BETTER SHOPPING EXPERIENCE**  
**- PRIVACY AND PHYSICAL BEHAVIOR MONITORING**

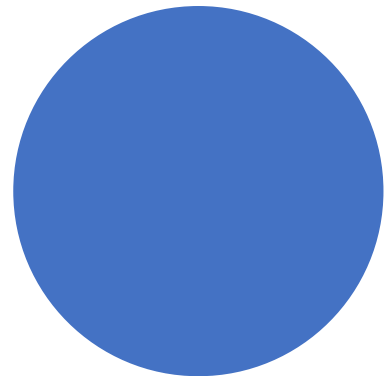


# Machine Bias

There's software used across the country to predict future criminals. And it's biased against blacks.



**+ IT CAN REDUCE SOME TYPE OF BIAS**  
**- IT CAN PERPETUATE EXISTING TYPE OF BIAS**





# Amazon scraps secret AI recruiting tool that showed bias against women

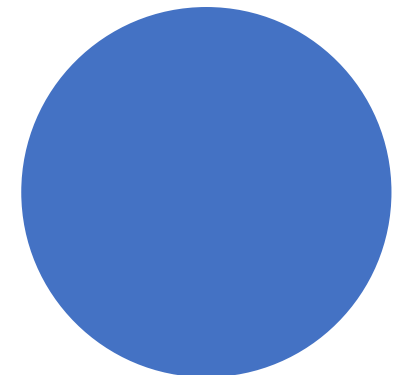
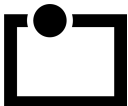
Jeffrey Dastin

8 MIN READ



SAN FRANCISCO (Reuters) - Amazon.com Inc's (AMZN.O) machine-learning specialists uncovered a big problem: their new recruiting engine did not like women.

**+ BETTER MATCHING AT LOWER COST**  
**+ CONSISTENCY TO REDUCE SOME TYPE OF BIASES (AFFINITY)**  
**- DISCRIMINATION USING DATA FROM THE PAST**



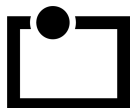
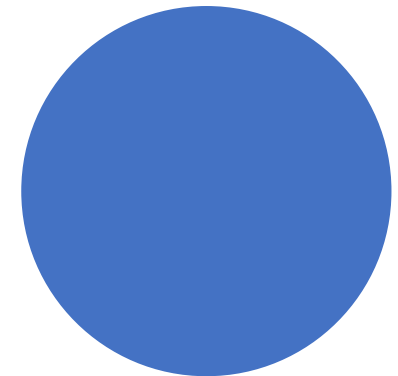
# If you're not a white male, artificial intelligence's use in healthcare could be dangerous

By Robert David Hart · July 10, 2017



**+MORE EFFECTIVE HEALTHCARE**

**- DISCRIMINATION AGAINST PEOPLE WITH LIMITED ACCESS TO HEALTHCARE**



# An Algorithm Determined UK Students' Grades. Chaos Ensued

This year's A-Levels, the high-stakes exams taken in high school, were canceled due to the pandemic. The alternative only exacerbated existing inequities.



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RESEARCH ARTICLE



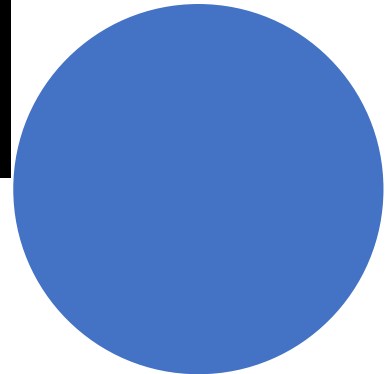
## Dissecting racial bias in an algorithm used to manage the health of populations

Ziad Obermeyer<sup>1,2,\*</sup>, Brian Powers<sup>3</sup>, Christine Vogeli<sup>4</sup>, Sendhil Mullainathan<sup>5,\*,†</sup>

+ See all authors and affiliations

Science 25 Oct 2019:  
Vol. 366, Issue 6464, pp. 447-453  
DOI: 10.1126/science.aax2342

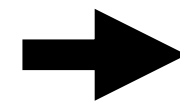
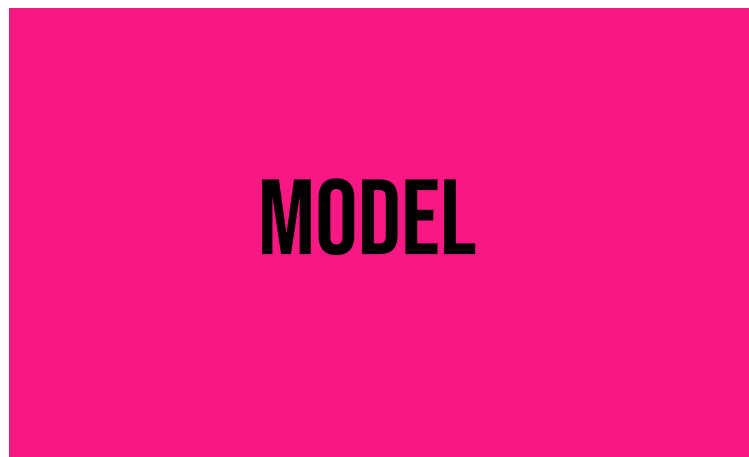
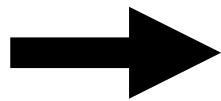
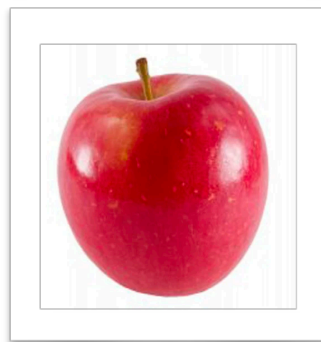
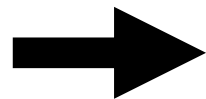
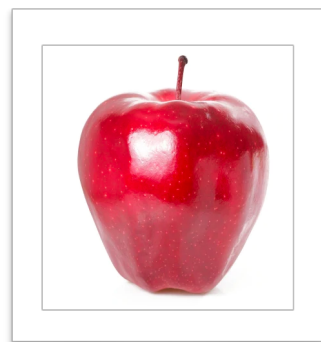
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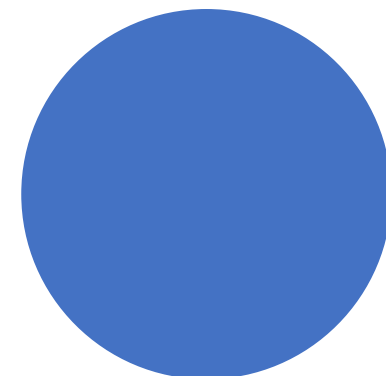




# LEARNING BY EXAMPLES

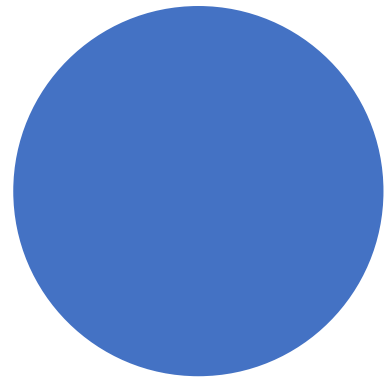


**APPLE**





# AI AND UNEMPLOYMENT





**READING TIME!!!**

