ALGORITHMIC HIRING BIAS



COSTS

\$ computer algorithm < \$ human screener



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EFFICIENCY

Advance candidate pools quickly and accurately



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FAIRNESS

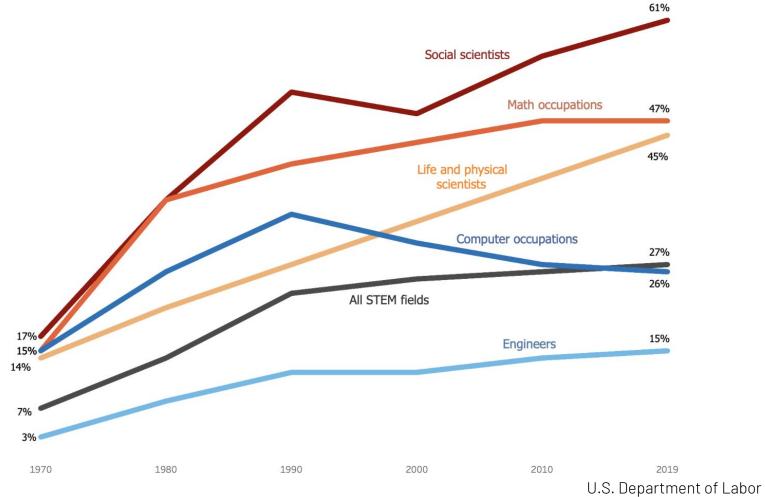
Eliminate individual biases from human screeners



FAIRNESS

Data-driven hiring processes often perpetuate systematic discrimination

Percentage of science, technology, engineering, and math (STEM) workers who are women



20%

Of Computer Programmers and Software Developers in the U.S. are Women

49%

Of Mathematicians and Statisticians in the U.S. are Women

Why Amazon's Automated Hiring Tool Discriminated Against Women



By Rachel Goodman, Staff Attorney, ACLU Racial Justice Program OCTOBER 12, 2018 | 1:00 PM

TAGS: Women's Rights in the Workplace, Women's Rights, Privacy & Technology









Technology & Ideas

Amazon's Gender-Biased Algorithm Is Not Alone

They're everywhere, but nobody wants to know about it.

By Cathy O'Neil +Sign Up

October 16, 2018, 6:00 AM PDT

Validation

11% conducted studies

72% do not mention validation

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Fairness

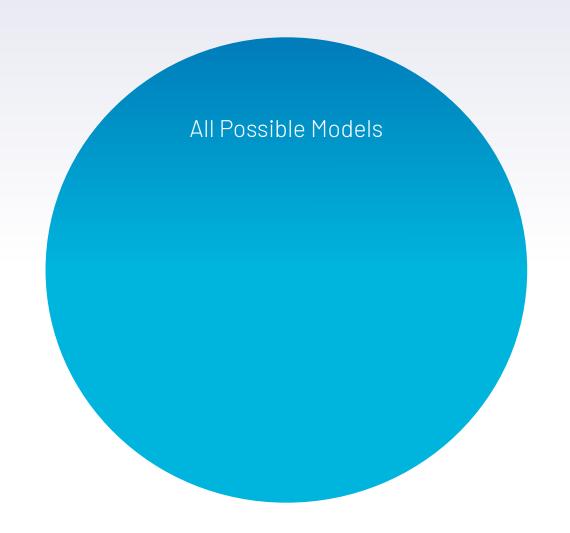
17% pass 4/5th law

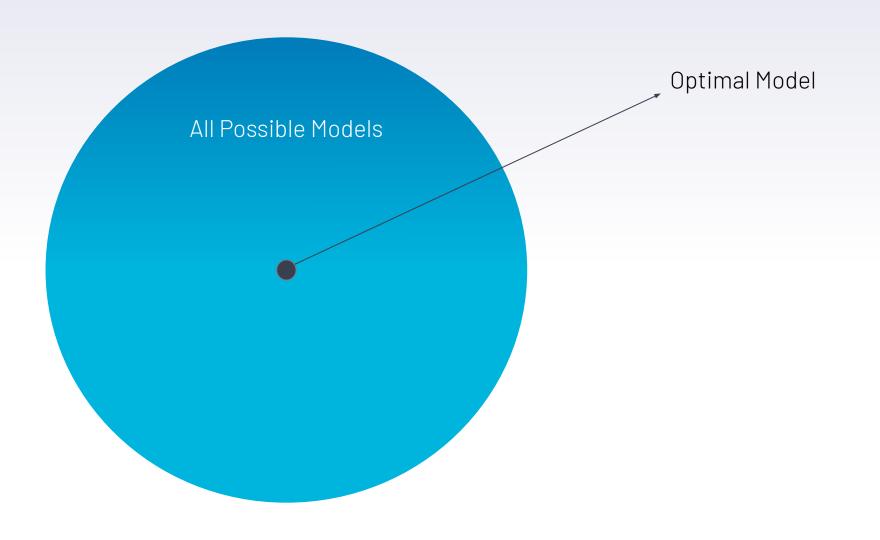
44% mention bias

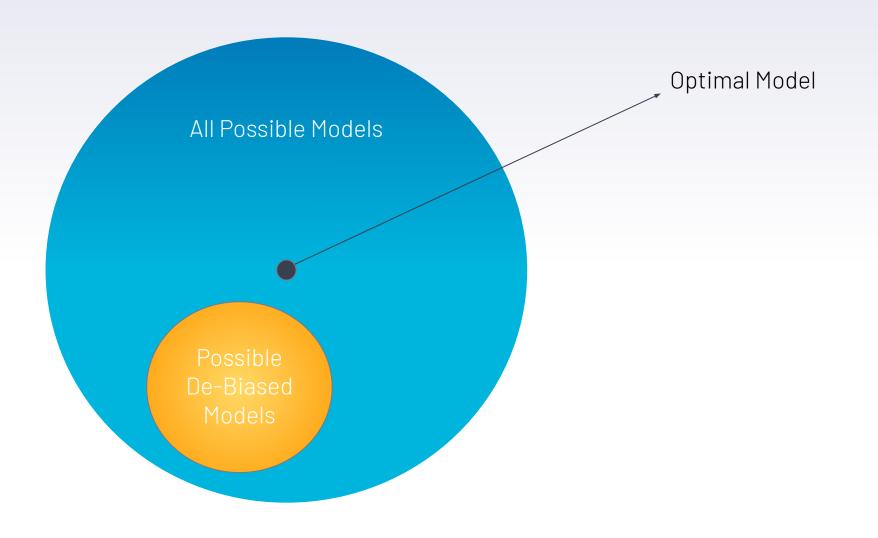
17% do not mention bias

Rethinking Research Priorities





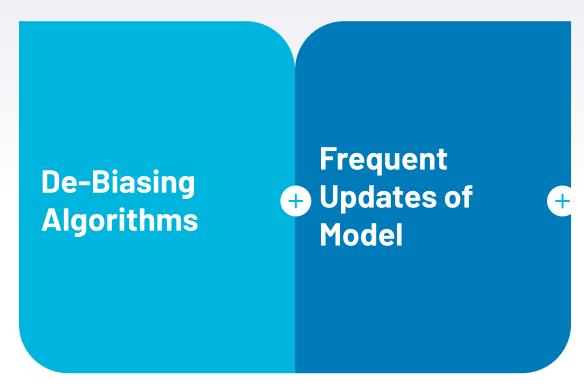




Engineering Innovation Processes







Diverse

De-Biasing Algorithms

Frequent

Updates of Model

Diverse

Implementation
Team

Next Steps

Legislation and Accountability

Next Steps

Legislation and Accountability

Intersectional Considerations

Next Steps

Legislation and Accountability Accessibility

Intersectional

Considerations

THANK YOU

