

# Responsible AI

The importance of de-biasing natural language systems



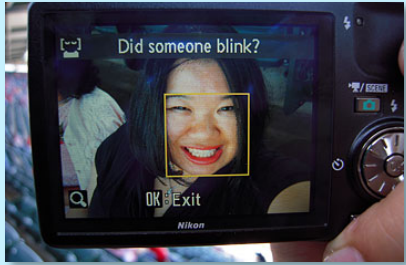
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We tend to think of artificial intelligence systems as objective sources of truth.

AI is built by and trained on data from humans, meaning harmful prejudices find their way into these systems.

# Bias and how it appears in AI

# How bias in AI became apparent over time



2010

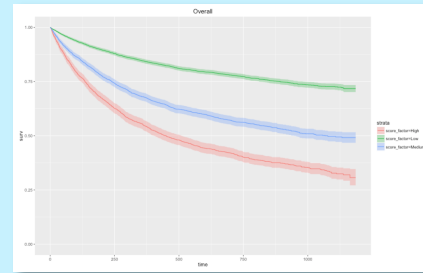
TIME article

# How bias in AI became apparent over time



2010

TIME article



2014

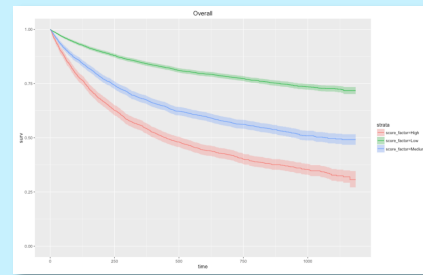
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# How bias in AI became apparent over time



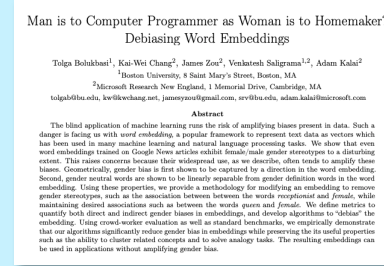
2010

TIME article



2014

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2016

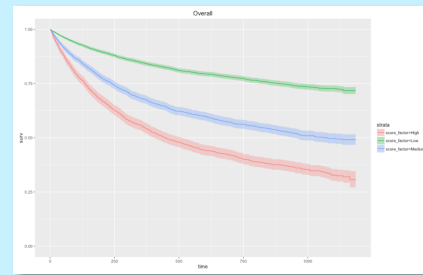
Bias in word embeddings

# How bias in AI became apparent over time



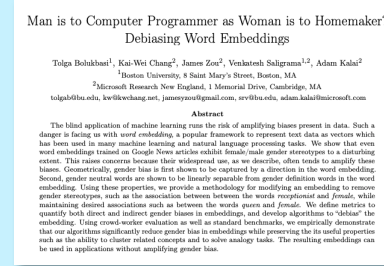
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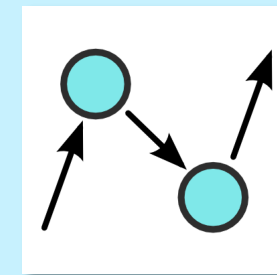
2014

COMPAS



2016

Bias in word embeddings



Today

De-biasing NLU systems



# Bias in natural language understanding

Bias in natural language  
understanding systems is systemic  
and must be addressed at all levels.

# De-biasing natural language systems

# The importance of addressing bias in NLU

AI-powered systems are giving users information to make decisions.

Although AI is not explicitly prescribing actions, it's still on us to de-bias these systems.

# The real-world implications of de-biasing AI

It's not just about prejudiced decisions in the present.

It's about ensuring systems don't perpetuate harmful associations in the future.



De-biasing isn't a promise or a guarantee, but a commitment to responsible AI.

This means doing all we can to prevent bias in real-life decision-making.

# Q&A



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