

# How to stop fake news without central authority or censorship?

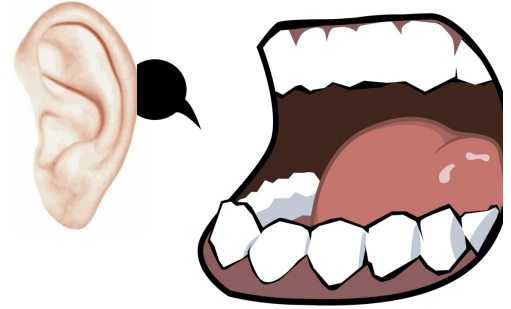
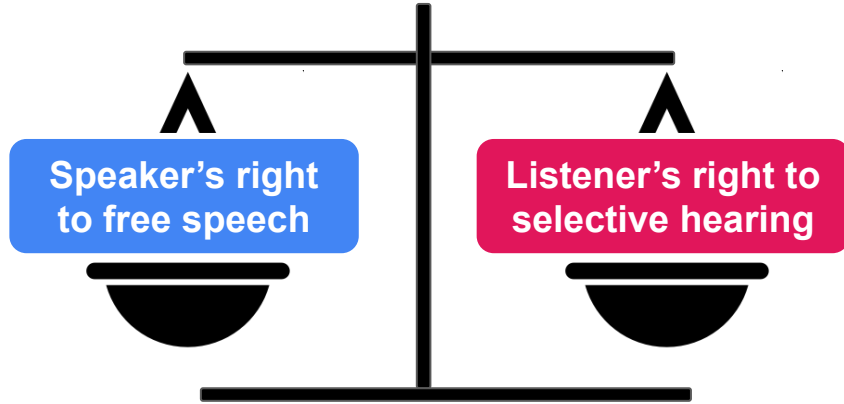


Swapneel Mehta  
Postdoctoral Associate

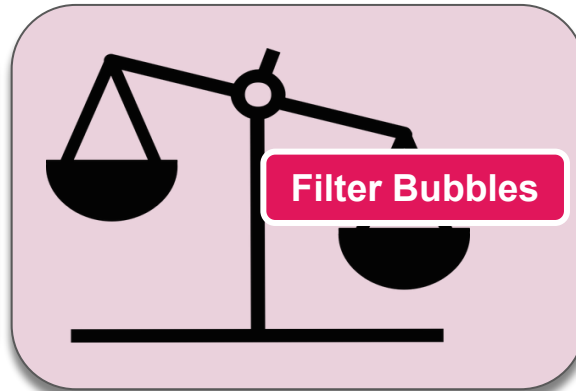
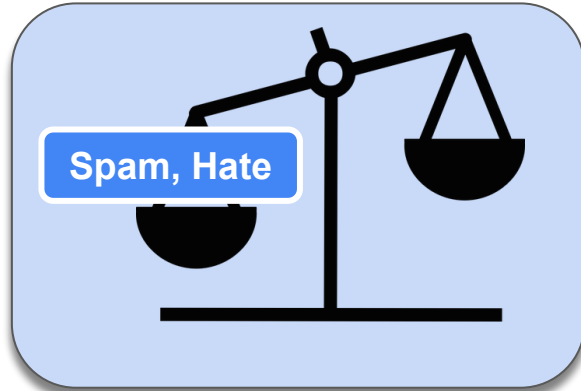
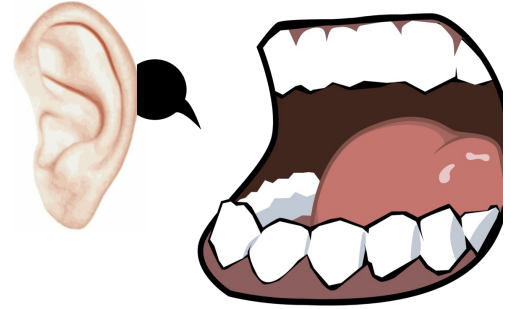
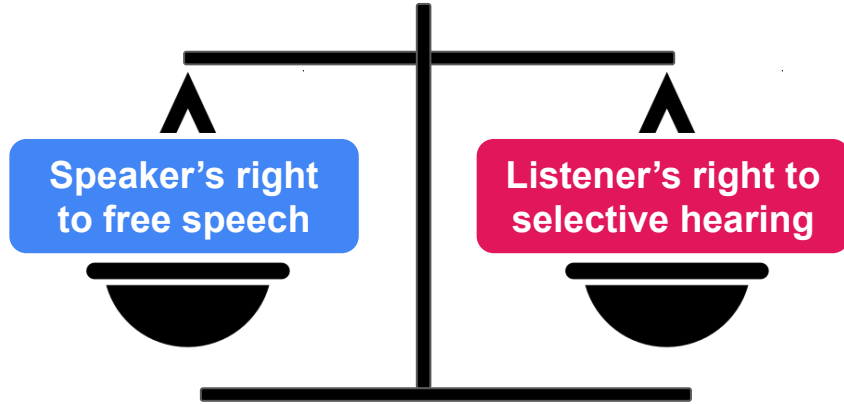
Joint work with Aaron Nichols, David Rand, Gordon Pennycook, Nina Mazar, Marshall Van Alstyne



Platforms need to balance the rights of speakers and listeners



# Platforms need to balance the rights of speakers and listeners



If either one of the two is given preferential treatment, the other suffers!

*How to find an equilibrium?*

# Fake News “Interventions” Don’t Work Too Well These Days

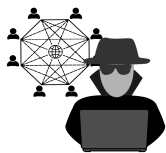
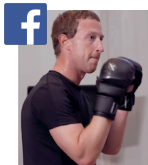
## Arms Race

Bot Detection

Spam

Phishing

Adversarial Practices



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## Arms Race

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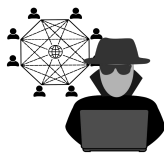
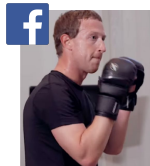
## Discrediting Raters

Flagging

Fact-checking

Debunks

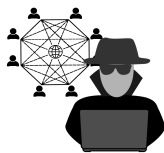
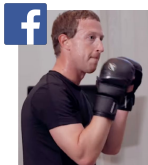
Central Authority



# Fake News “Interventions” Don’t Work Too Well These Days

## Arms Race

Bot Detection  
Spam  
Phishing  
**Adversarial Practices**



## Discrediting Raters

Flagging  
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**Central Authority**



## Misplaced Responsibility

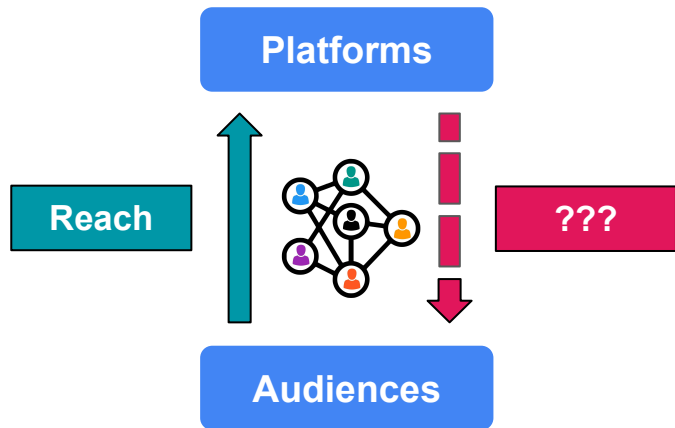
Auditing Algorithms  
Deamplification  
Prebunks  
**Burden on Platforms, Listeners**



*Hate Speech's Rise on Twitter Is Unprecedented, Researchers Find*

What if we introduced consequences to producing fake news?

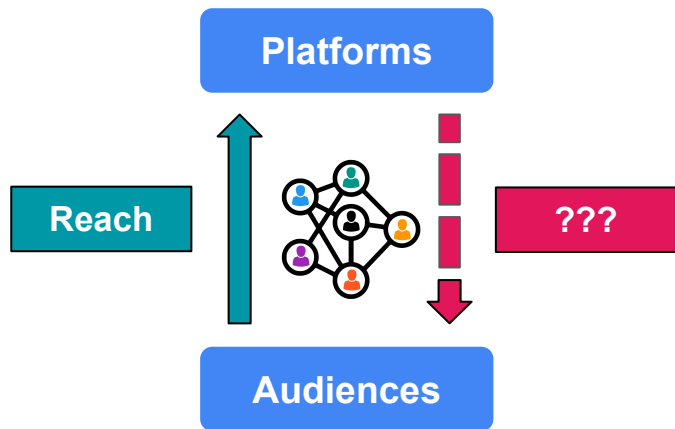
# Platforms should support Free Speech, but not *Free Reach*



Audiences provide platforms with *reach*

Platforms should be accountable to protect audiences, at least global regulators think so.

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Audiences provide platforms with *reach*

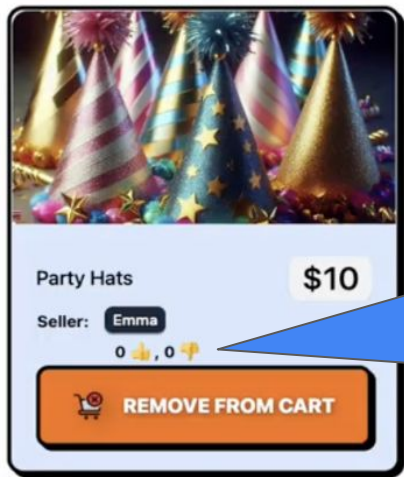
Platforms should be accountable to protect audiences, at least global regulators think so.

Free speech is absolutely vital + legal right.

But we need mechanisms to introduce *accountability* in exchange for *reach*!



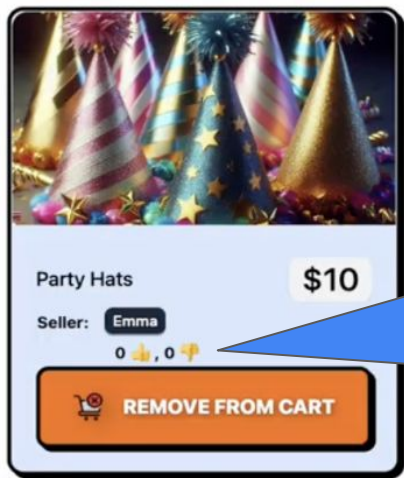
# Improving Accountability in Ads Marketplace via *Warrants*



Current  
markets  
only rely  
on  
reputation

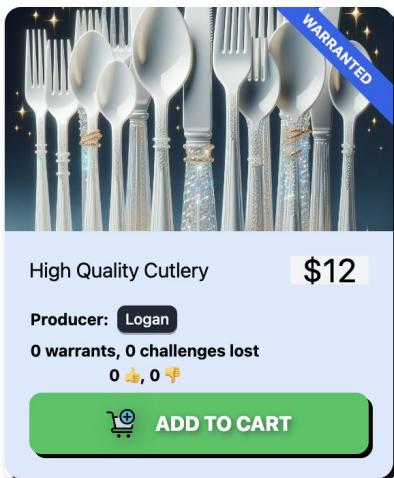
Current markets are  
Reputation-based (👍/👎)

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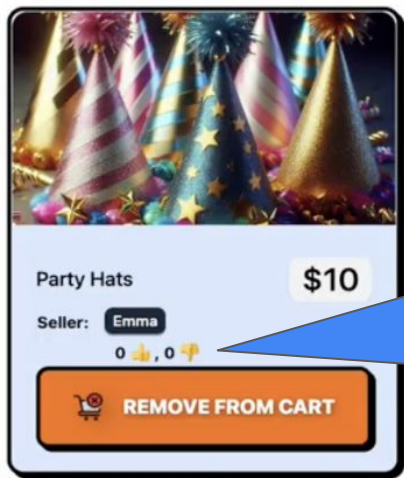
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We think  
“Warrant”  
Label  
increases  
credibility

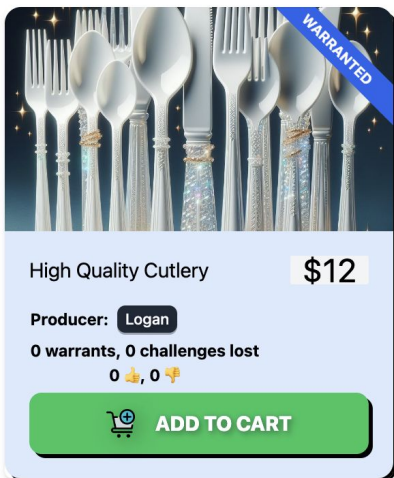
*Warrant* = seller **escrows** extra money to  
**back** claims. If community agrees claim  
false, money lost!

# Improving Accountability in Ads Marketplace via *Warrants*



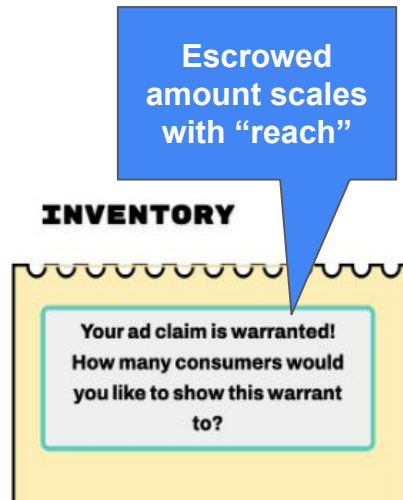
Current markets only rely on reputation

Current markets are Reputation-based (👍/👎)



We think "Warrant" Label increases credibility

**Warrant** = seller **escrows** extra money to **back** claims. If community agrees claim false, money lost!



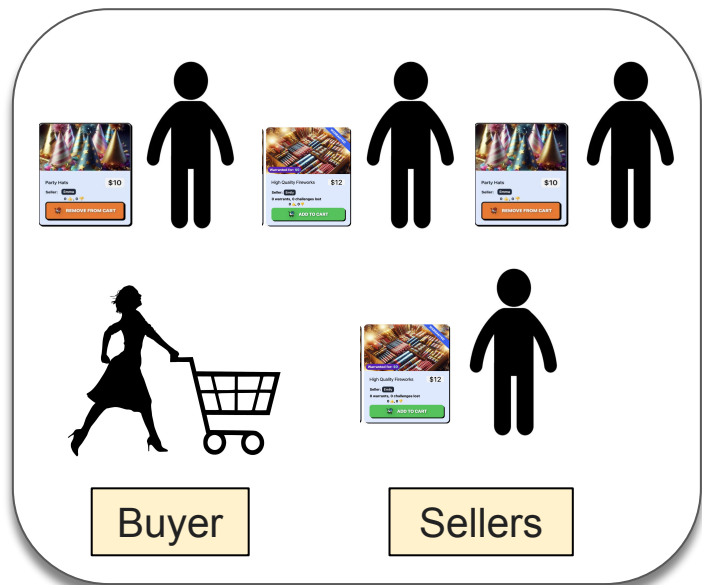
Escrowed amount scales with "reach"

**Warrants** are shown to a predetermined no. of people.

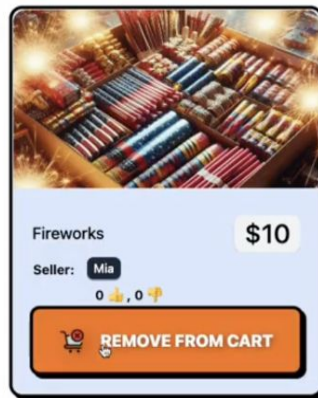
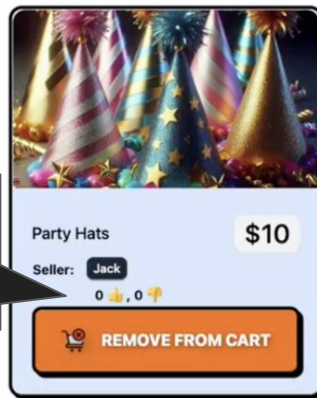
# Can Consumers Stop Falling for Fake Ads through *Warrants*?



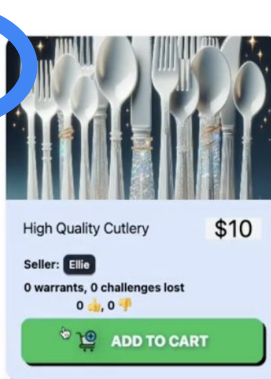
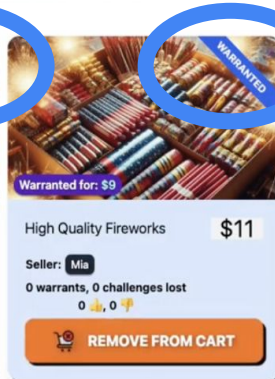
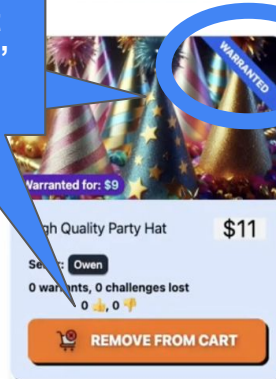
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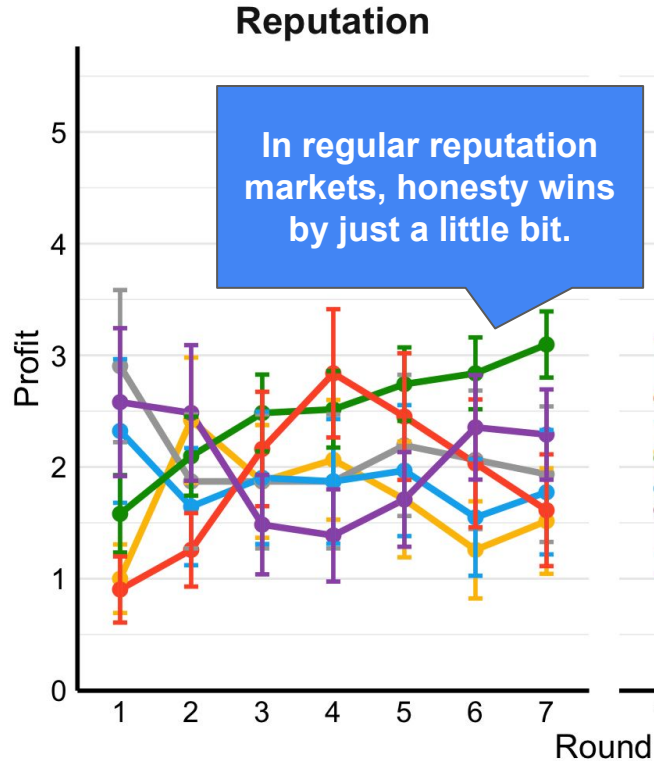
Control  
"Reputation"  
Market



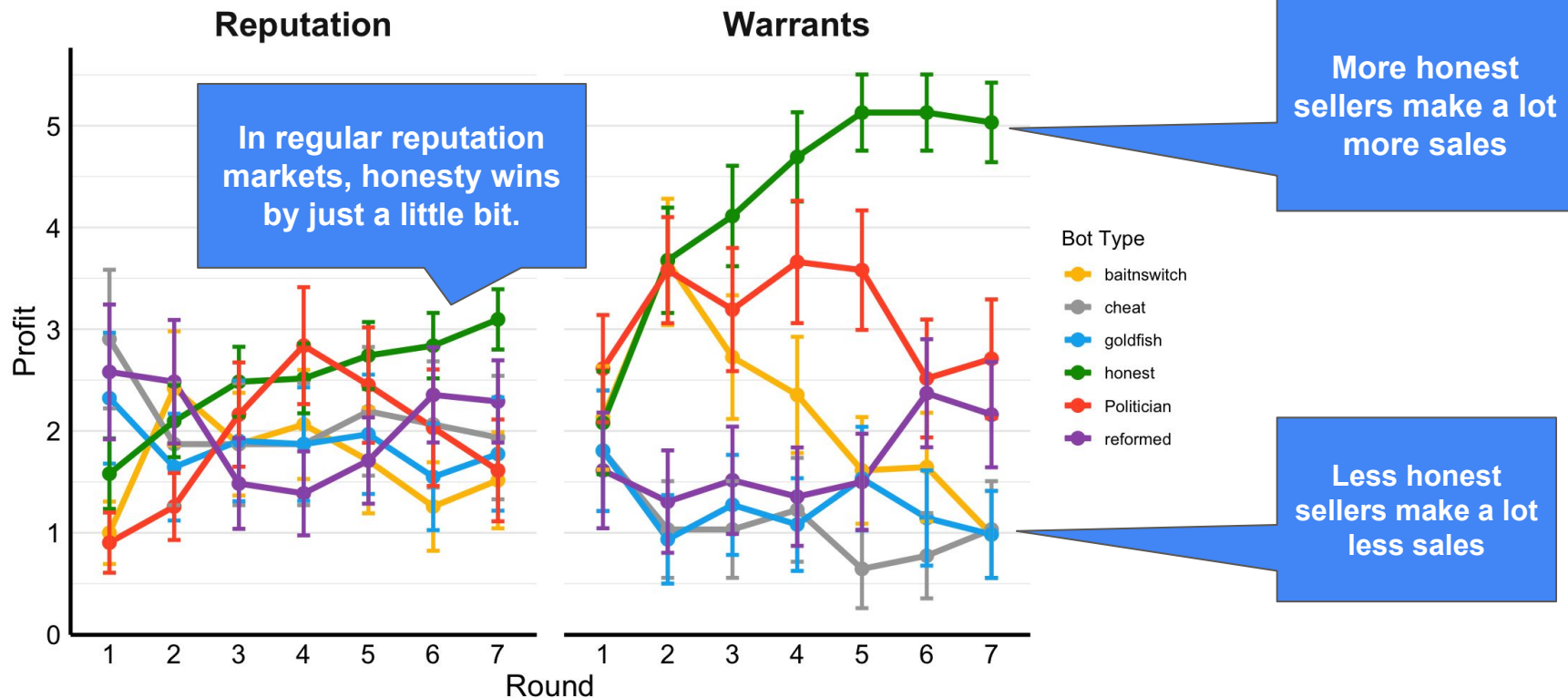
Treatment  
"Warrants"  
Market



# Cheating Sellers *Don't Prosper* in Warrants Market



# Cheating Sellers *Don't Prosper* in Warrants Market



# Summary

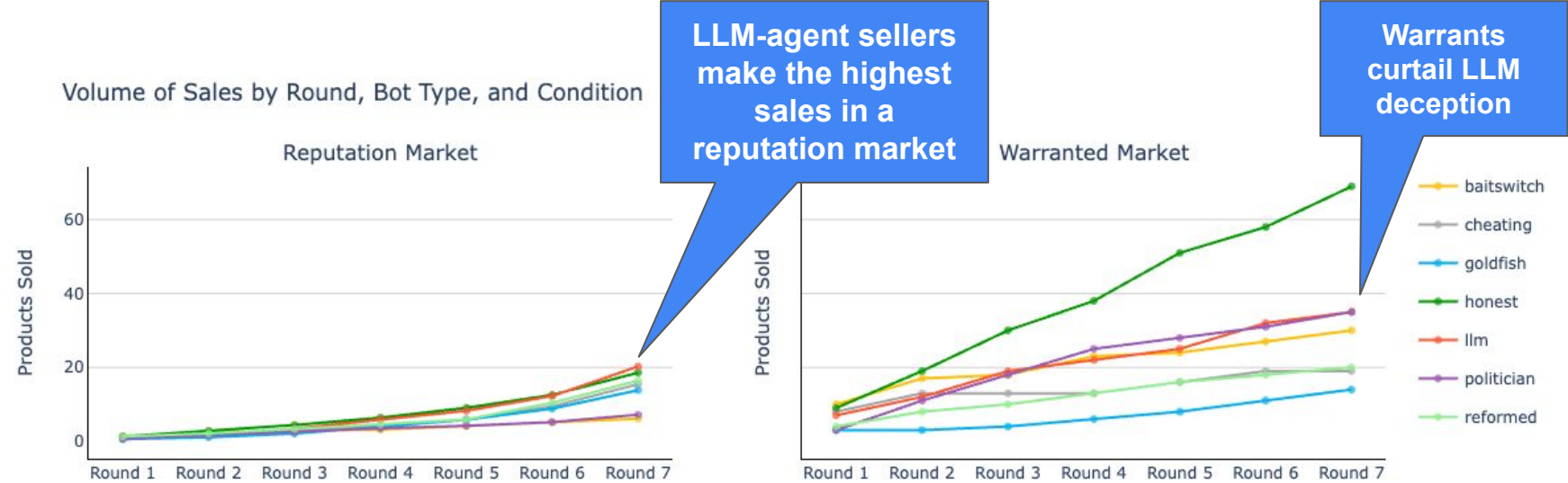
1. We can limit fake ads without censorship or central authority
2. Platforms benefit, buyers benefit, sellers benefit!
3. Testing it out on a platform like Bluesky or Reddit with custom feeds

## Extending this to Political Markets

1. Legal Frameworks ask: What constitutes a claim?
2. Social Psychology asks: What about when there is the absence of “ground truth”?



# Bonus: LLMs *deceive* really well!



**Amazon introduces Amelia, an AI assistant for third-party sellers**

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# LLMs provide meaningful explanations for their sales strategies

