

Finding Bots and Trolls

Joshua Uyheng

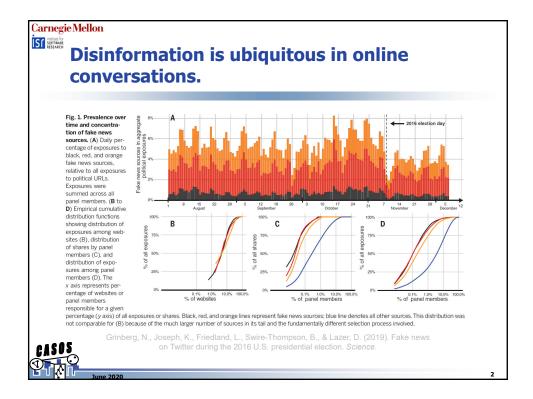
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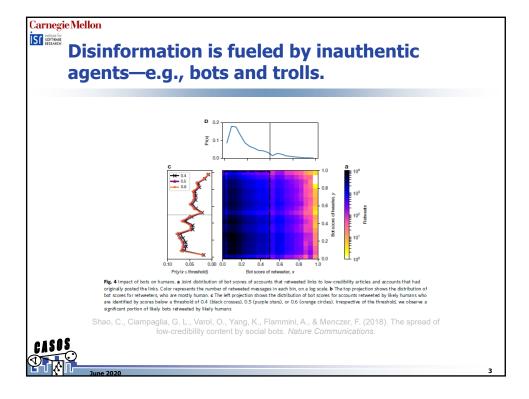
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Bots and Trolls

Bots

- Automated agents
- Not necessarily malicious

Trolls

- Inauthentic accounts which disrupt online conversations
- Not necessarily automated



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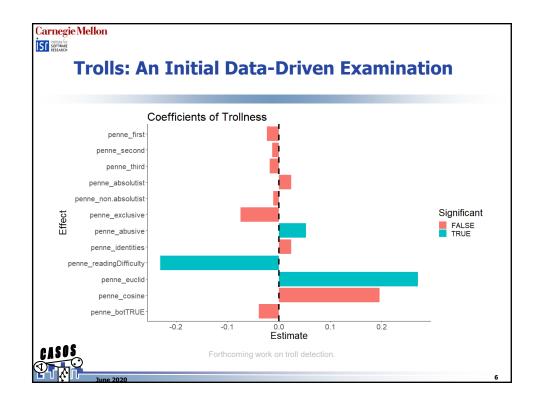
TABLE I: Four *tiers* of Twitter data collection to support account classification (originally presented in [7])

Tier	Description	Focus	Collection Time per 250 Accounts	# of Data Entities (i.e. tweets)
Tier 0	Tweet text only	Semantics	N/A**	1
Tier 1	Account + 1 Tweet	Account Meta-data	$\sim 1.9~{\rm sec}$	2
Tier 2	Account + Timeline	Temporal patterns	$\sim 3.7 \; \mathrm{min}$	200+
Tier 3 Jyheng, J., M	Account + Timeline + Friends agelinski T Villa-Cox	Network pat- terns , R., Sowa, C., & Carl		

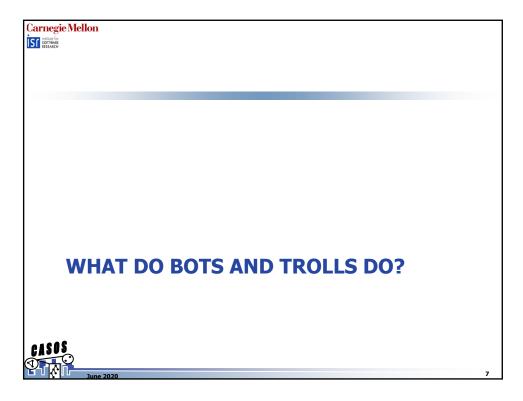
2018. Computational and Mathematical Organization Theory. Advance online publication.

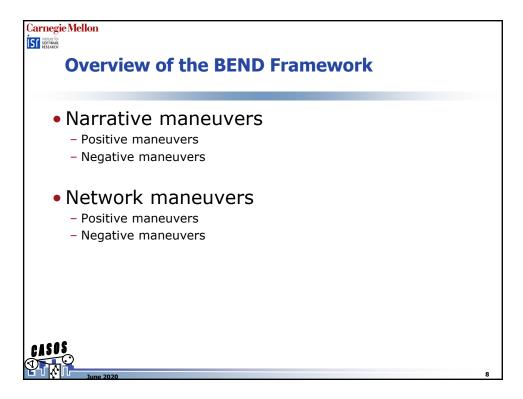


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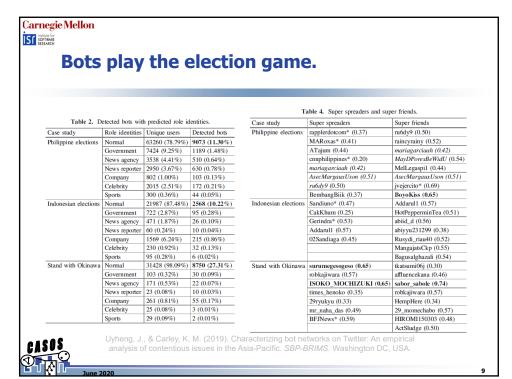


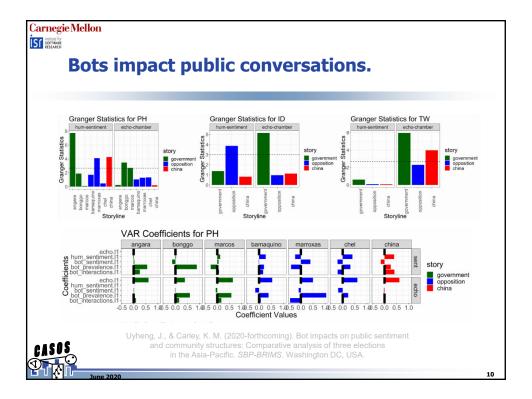




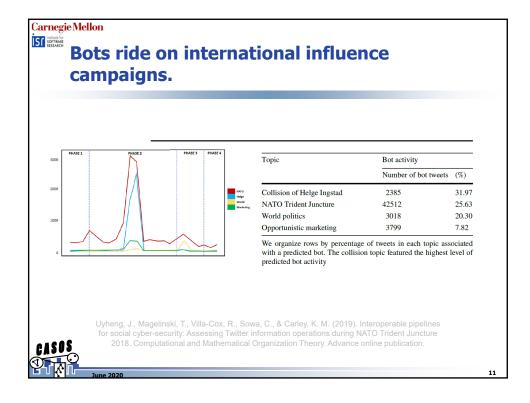


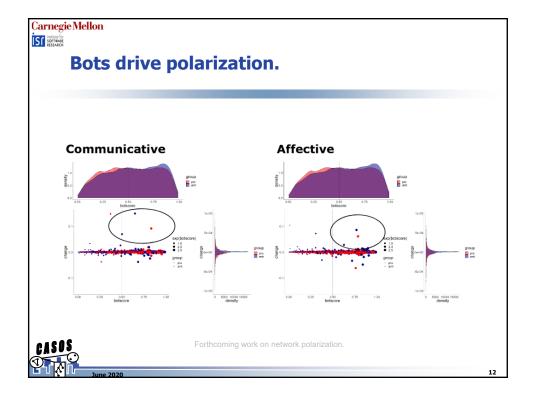
















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