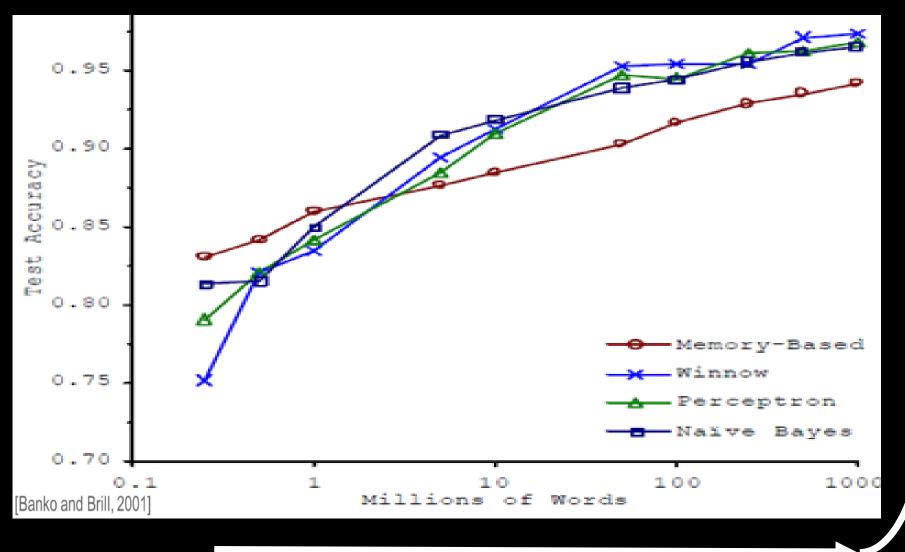








The Unreasonable Effectiveness of Data



1000% less error!







Silo mo' data

Mo' accuracy

Mo' \$

Default incentive: hoard the data

"Show me the incentive and I will show you the outcome."

-Charlie Munger



FB's Schelling point is data silos. No amount of apologies or promises, or even data governance boards, will change that. You need to change the core of FB: the incentives, the Schelling point.



Change the incentives!

Sile Pool mo' data

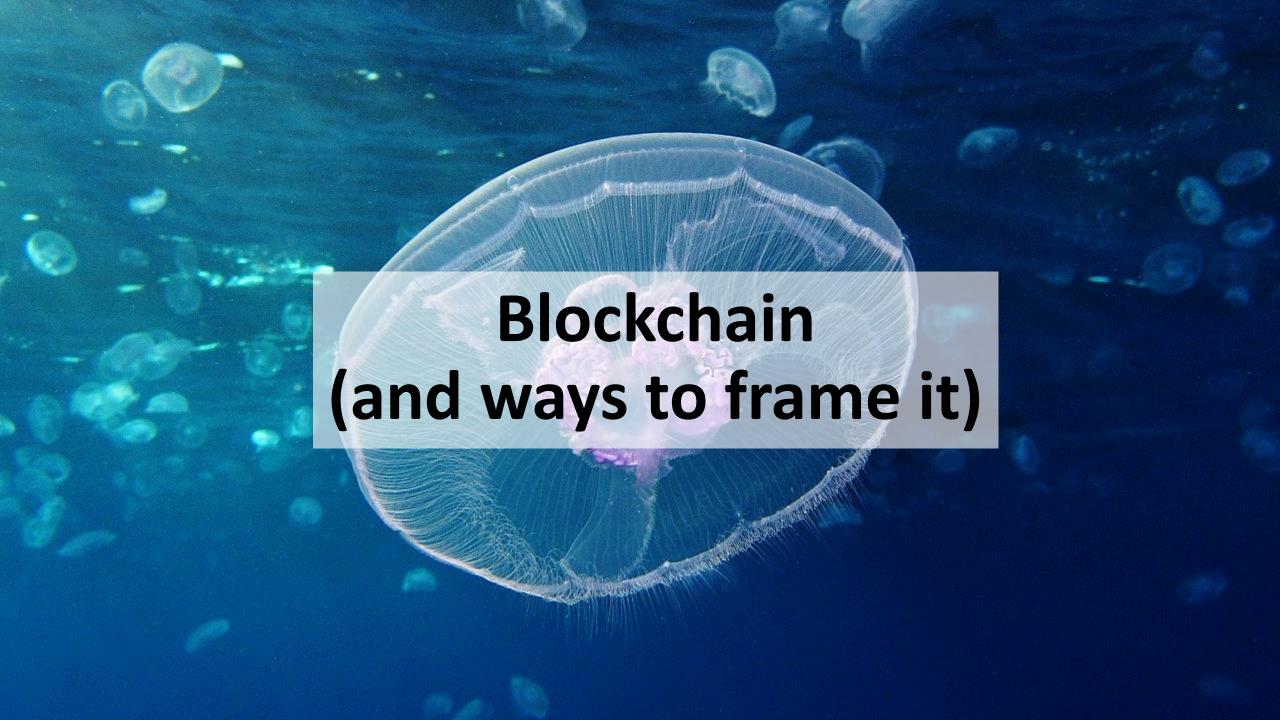


Mo' accuracy



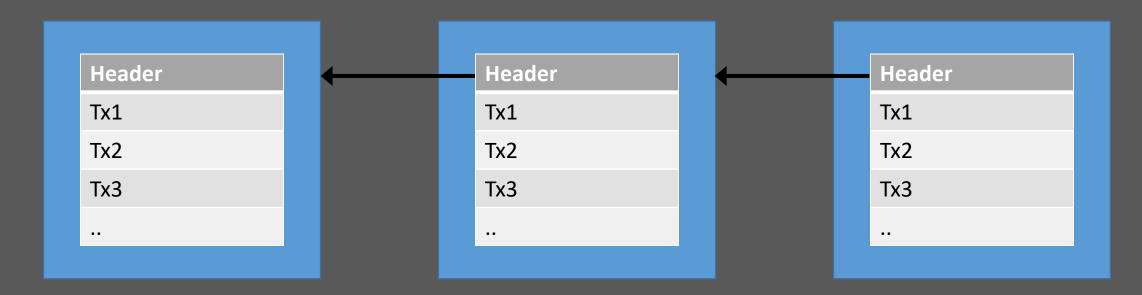
Mo'\$

So how do we change the incentives?



"A Chain of Blocks"

- -Block = list of transactions, where tx = "create asset" or "transfer asset" action, digitally signed
- -Chain = linked list, where links are hashes







The Economist

OCTOBER 31:ST-MOVEMBER 6TH 2001

Economist of

007 and the spectre of Britain's past

Turkey votes to the sound of bombs

Those ever-creative accountants

America takes the fight to IS

Coywolves: the new superpredator

The trust machine

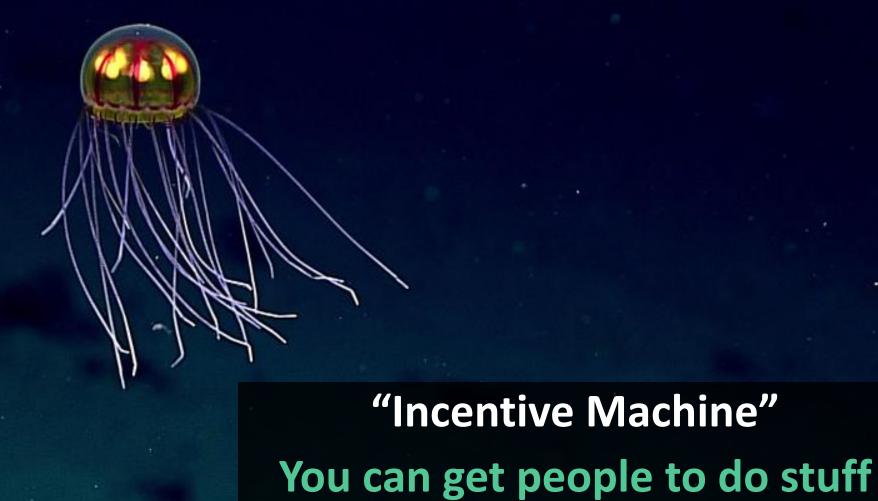
How the technology behind bitcoin could change the world



"Trust machine"
because it minimizes
trust needed to
operate.

It's more *socially* scalable. (Ref Szabos)





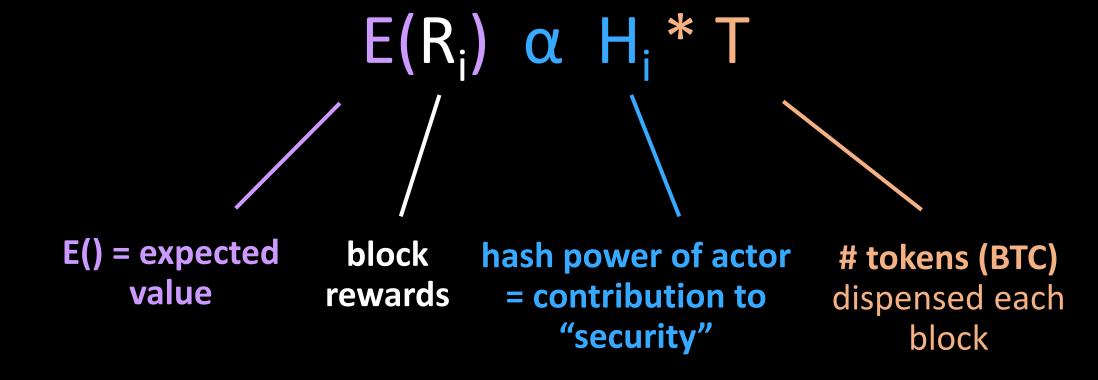
by rewarding them with tokens.



Bitcoin objective function

Objective: Maximize security of network

- Where "security" = compute power
- Therefore, super expensive to roll back changes to the transaction log









Change the incentives!

Using incentive machines

Sile Pool mo' data



Mo' accuracy

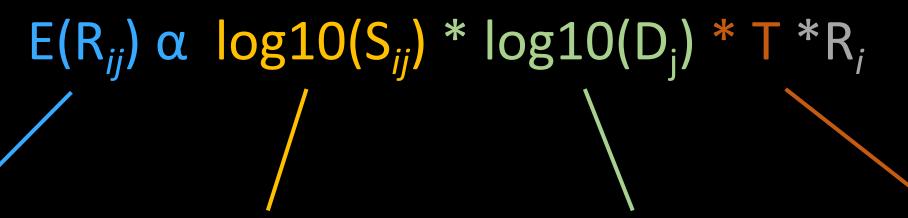


Mo' \$

Objective: maximize supply of relevant data



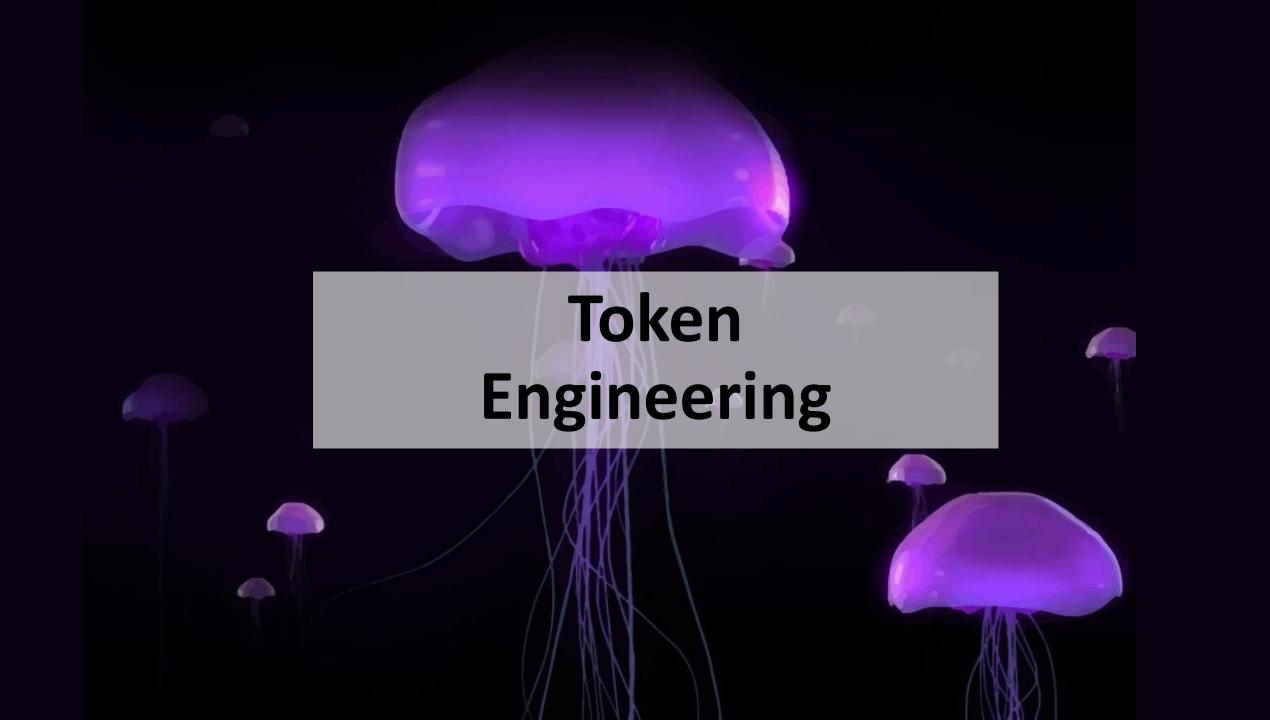
- Reward curating data (staking on it) + making it available
- New pattern: Proofed Curation Market



Expected reward for user *i* on dataset *j*

S_{ij} = predicted popularity = user's curation market stake in dataset j

tokens during interval



General recipe

- Ask: what do you want? Eg what are you trying to maximize
- Philosophy. Simple block reward at the core, emergent complexity.

Examples:

- Block rewards to secure a chain of fin. txs: rewire financial system
- Block rewards to supply & curate data: erode data silos. Global data commons. Democratize Al. Compensate creators. Transparent govt data.
- Block rewards to supply electricity: drives cost of energy down
- Block rewards to move person from A→B: rewire public + private transit from ground up



Conclusion

Blockchains are Incentive Machines

- We can shape incentives!
- We can design & deploy these for societal benefit
- Rewire financial system, erode data silos, rewire power grid, rewire transit, *more*.

