

Bitcoin in the real world

All crypto

Distributed / decentralized
Ledger of transactions (verified)
Fast, public verification
Block chain (using hashes to make immutable, appendable)
Mining (w/ rewards)

BTC Specific (and others, not all)

(Fungibility)
Proof of work
Hash puzzles
~ 1 hour transaction
Total max supply
↳ Unemployment + Inflation
Public ledger
↳ Amt of mining reward

Technical Shortcomings of BTC

- Small block size (expensive TXNs)
- Resource intensive
- Slow transactions
- Volatility

Non-technical "features" of cryptocurrency

- Cool, new, hyped
- Potential to hit it big
- Libertarian dream (no gov't control)
- Potential to add new features
- Easy to store / transport
- (Pseudo) anonymity compared to other e-payment

Ethical Problems

- ★ - Bias towards techno-capable
- Greg - Big opportunity for scams
- Jantzen - Black market
 - Potential loss of value
- Devin - Money laundering - Concealing source of \$
Ransomware
- Environment - Global warming
Noise pollution Kevin

Bias and crypto

↳ Assume this is a problem

- ① Fiat money
- ② Bitcoin (our world)
- ③ Inherent to any cryptocurrency

Jantzen - Black Market

Hitmen; drugs, weapons

Dark web sales

- Perfect for cryptocurrency
(trustless)

(Also hard cash)

Scams

- ① Asking for payment
- ② Steal private key
- ③ Pump and dump

False ransomware
Cons

- Irreversibility, difficulty to trace
- All cryptocurrency

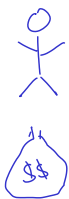
Environment

Higher popularity - more difficult to mine
- higher power usage
Cheapest electricity - "dirty" coal

Particular to proof of work.
↳ alternatives exist!

Money Laundering (+ Ransomware)

Cash business



Sell \$50
of lemonade.
Add \$100
from boy
Claim \$150
in sales

Crypto Money Laundering

- One person can hold many accounts.
- Txns with lots of inputs and outputs

Ransomware

- ① Lock/encrypt an organization's computer systems.
 - ② Demand payment to unlock.
- Less risk on both sides
 - Attackers can be anywhere