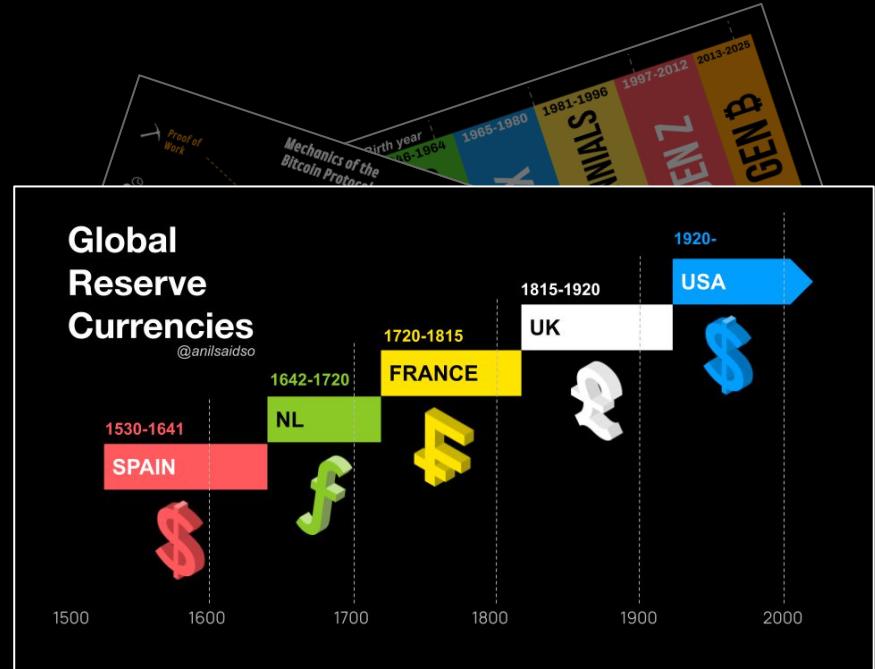


VISUALIZING BITCOIN

70+ Infographics



Anil Patel

Best visuals in the space!

Thanks a lot!

—@luecki23

Communicates points super clearly.

—@HA_Writers

WOW. These are absolutely incredible thank you so much!

—@biitcoiinbabe

Your infographics have unlimited value.

—@h827hbh_22

This resource is a collection of my most popular and effective educational materials for communicating the many facets of bitcoin. They're ideal for your next meetup event, conference presentation, or blog post.

Thank you for your continued support.

-Anil

@anilsaidso 



CC BY-NC 4.0

Contents ▼

Money

Innovation

Economics

Networks

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Money

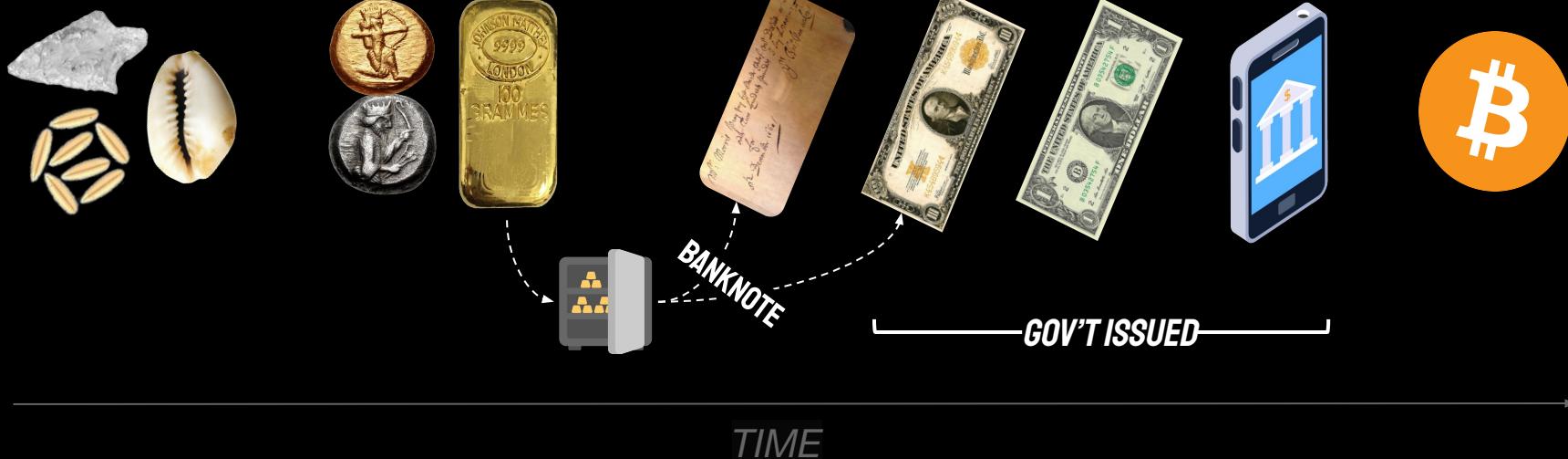
PRIMITIVE

PRECIOUS METALS

GOLD-BACKED

FIAT

PROOF OF WORK



What people consider money changes over time as innovation alters the incentives of holding one form over another.

FROM GOLD TO PAPER

Bank-issued
Paper Note
Redeemable for
Gold



Gold as
Money

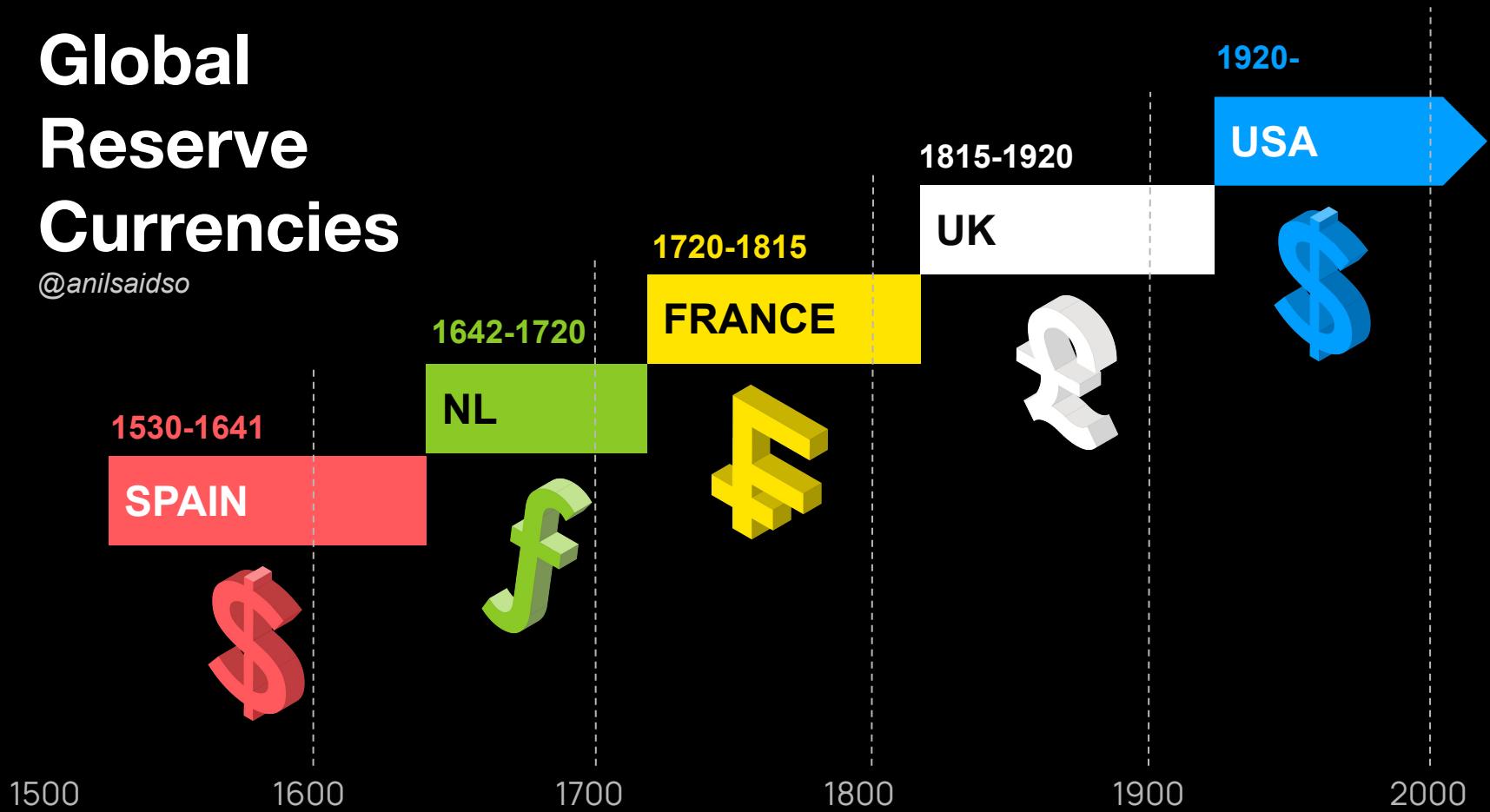
Gov't-issued
Gold Certificate

Govt-issued
Paper Note
Redeemable for
Gold

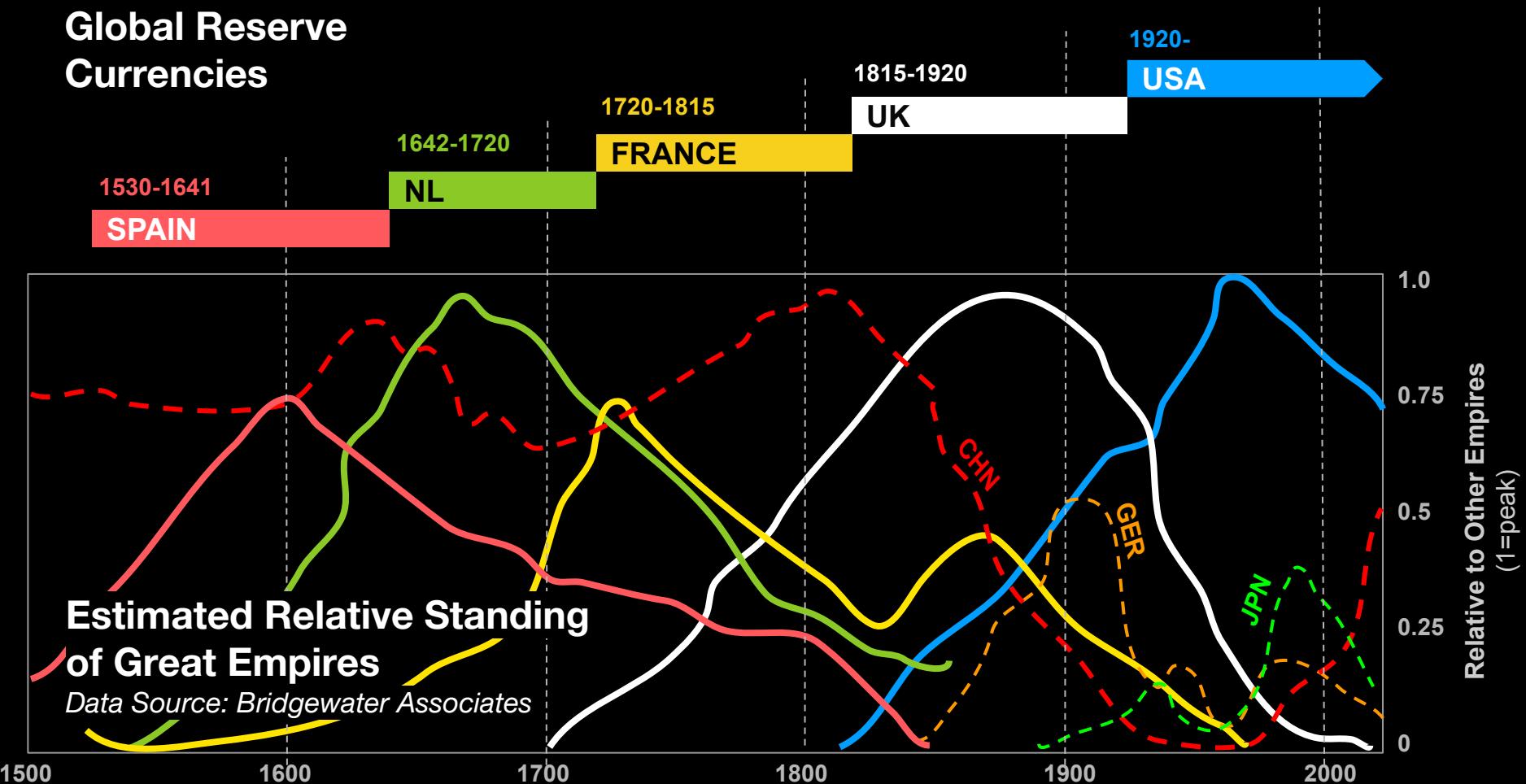
Gov't-issued
Notes (post-1933)
Not Redeemable for
Gold

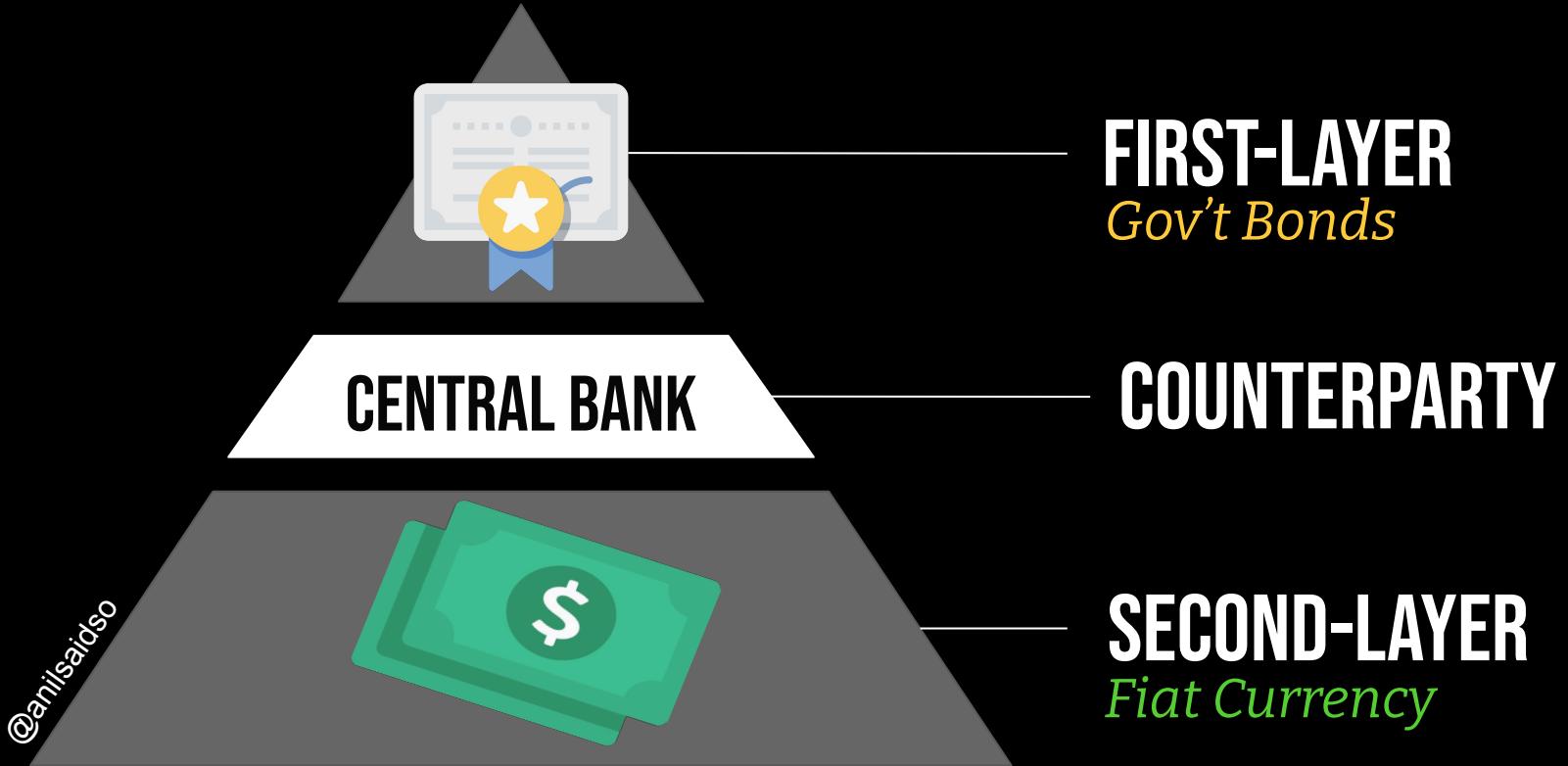
Global Reserve Currencies

@anilsaidso

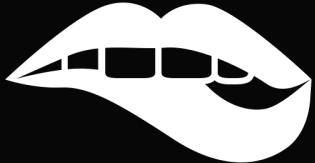


Global Reserve Currencies





Adapted from the work of Nik Bhatia



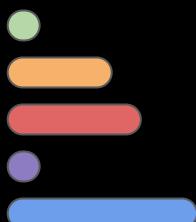
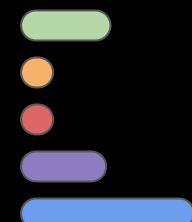
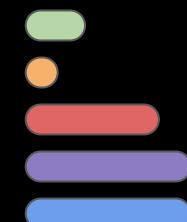
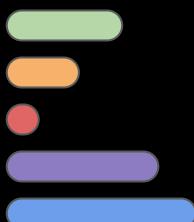
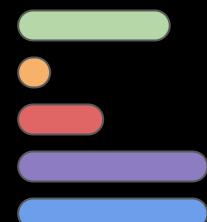
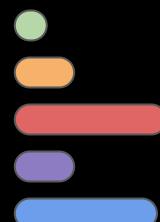
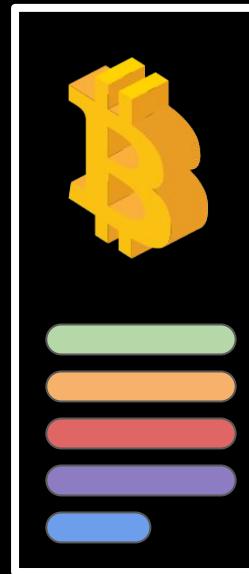
DESIRABLE PROPERTIES OF MONEY

According to **Robert Breedlove**

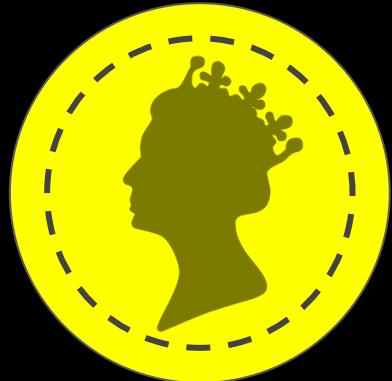
- 1 SCARCITY**
Difficult to produce, resistant to supply manipulation/value dilution
- 2 DIVISIBILITY**
Units that can be combined or separated at various scales
- 3 PORTABILITY**
Density of value, ease with which it can be moved across space
- 4 DURABILITY**
Does not deteriorate, ease with which it can be moved across time
- 5 RECOGNIZABILITY**
Ease with which it can be identified and its value verified by others

MONETARY PROPERTIES

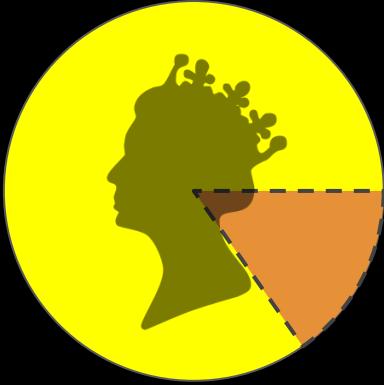
SCARCITY
DIVISIBILITY
PORTABILITY
DURABILITY
RECOGNIZABILITY



The **Abuse** of Sovereign Money



 **Coin
Clipping**



 **Metal
Debasement**



 **Fiat
Inflation**

UNIT



cent

0.01



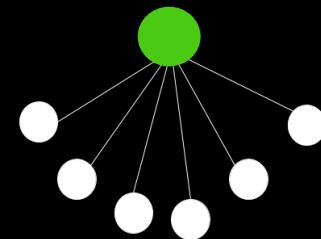
satoshi

0.00000001

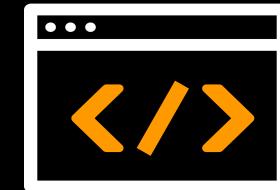
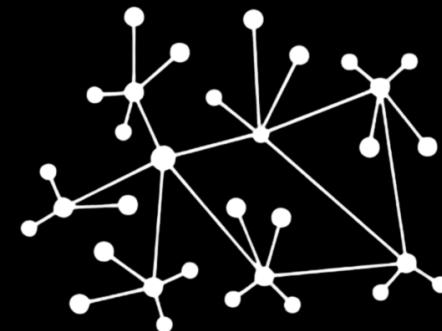
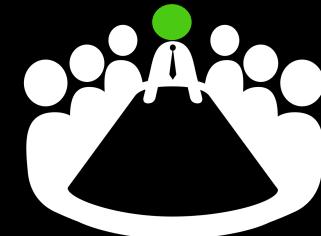
millisatoshi

0.0000000001

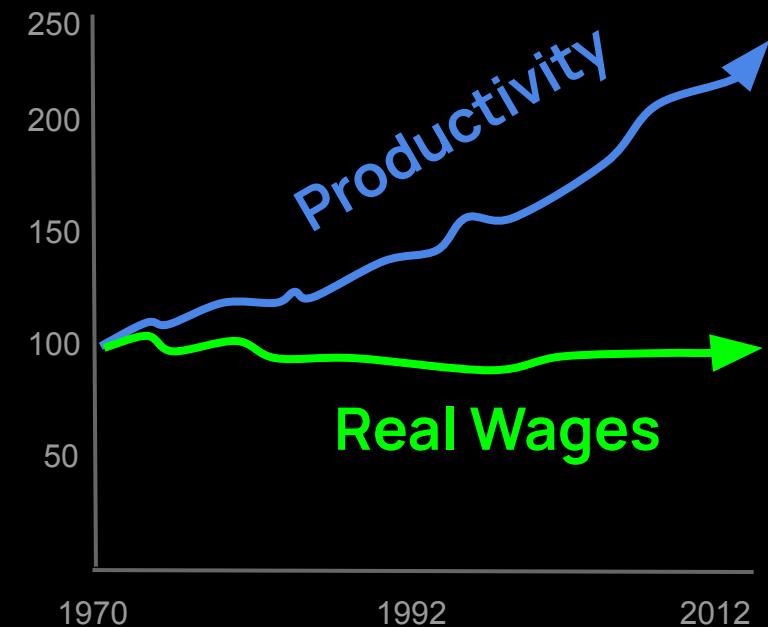
SETTLEMENT



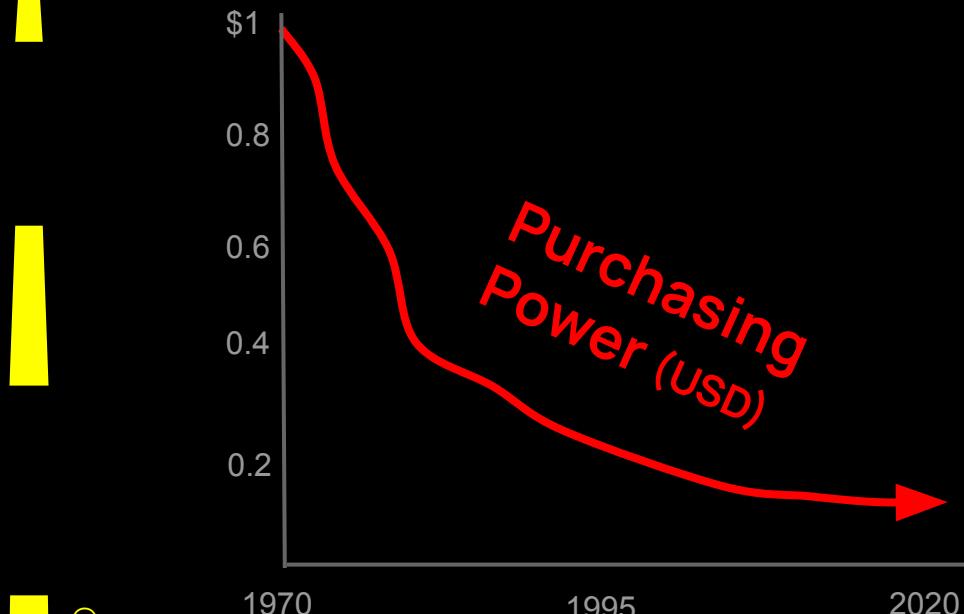
ISSUANCE



The Road to Serfdom

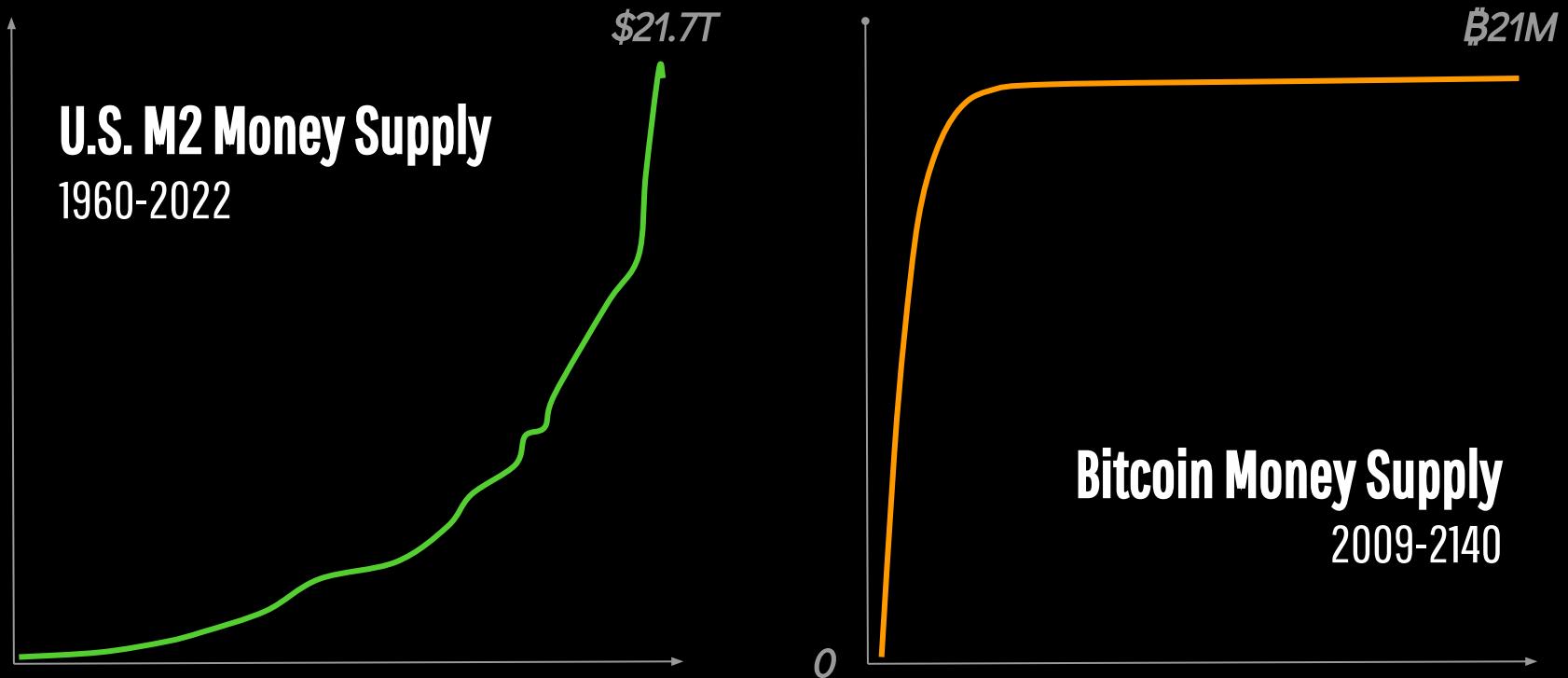


Source: Bureau of Labor Statistics

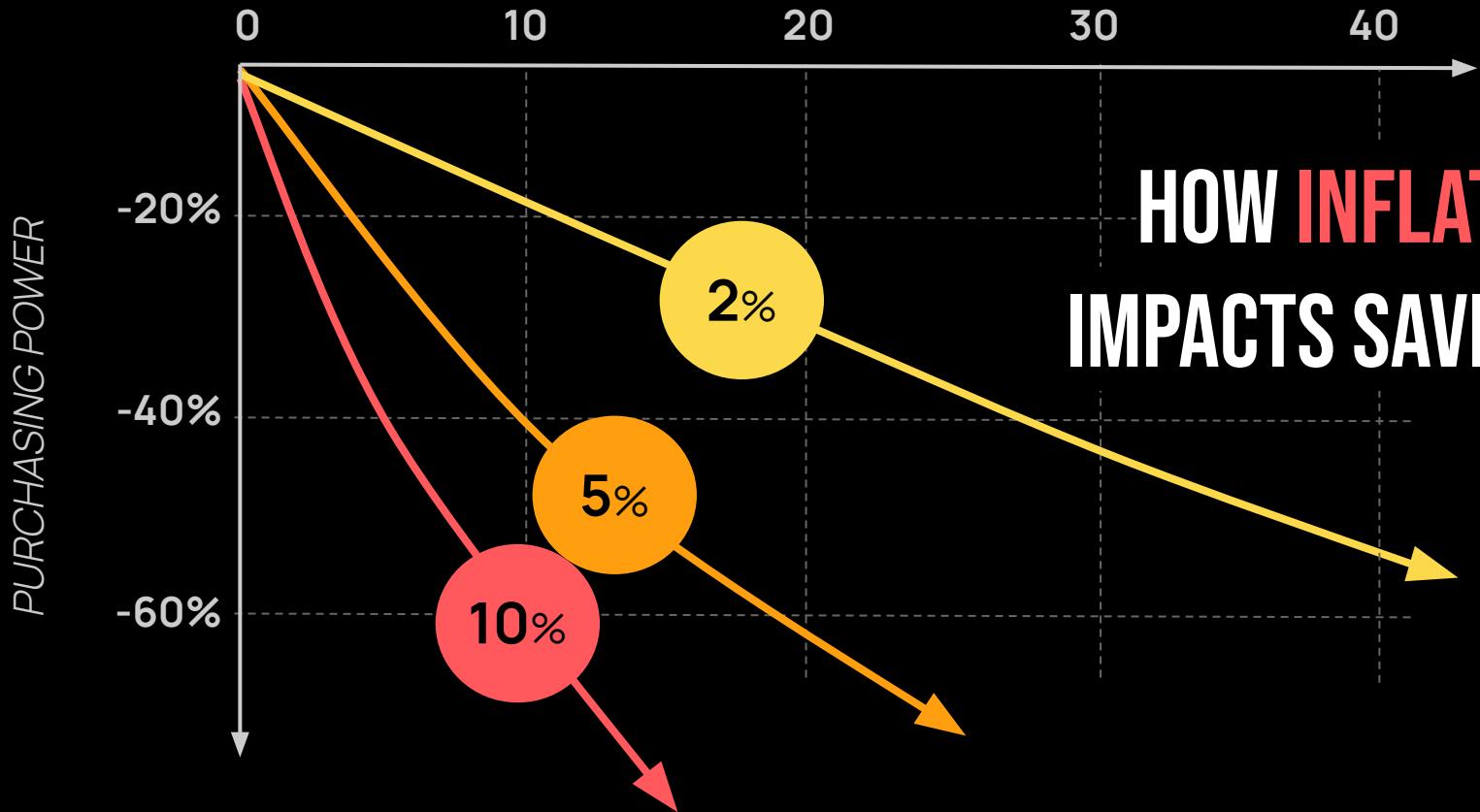


Source: FRED

@anilisaidso



YEARS



HOW INFLATION IMPACTS SAVINGS

\$2.90

2004



\$5.80

2022

source: The Economist Big Mac Index

DISGUIISING INFLATION

@anilsaidso



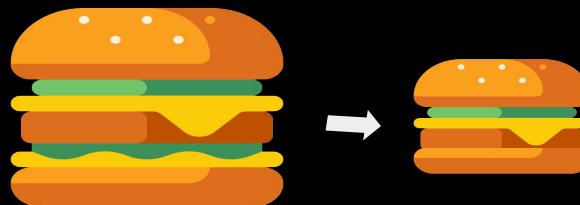
DETERIORATION
*Reduce Quality
of Ingredients*

HIDE INCREASE

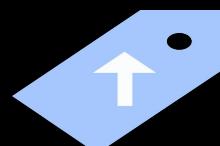
INPUT PRICES RISE

RAISE PRICES

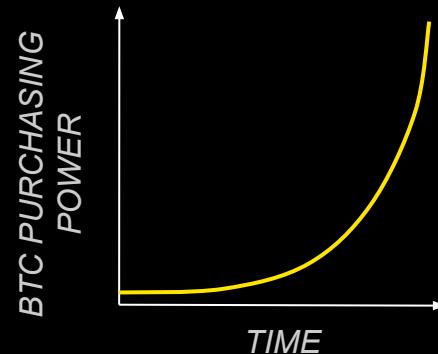
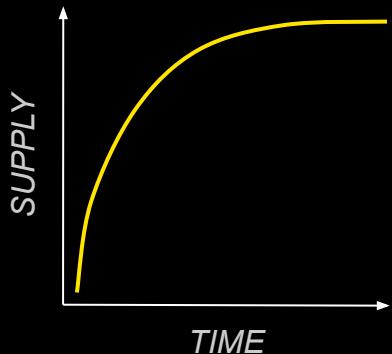
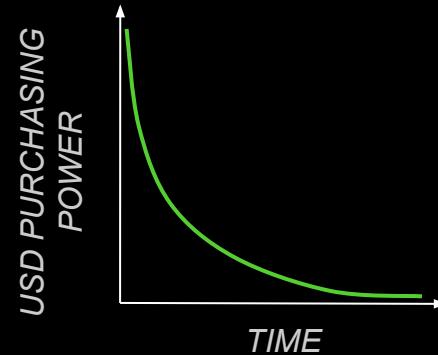
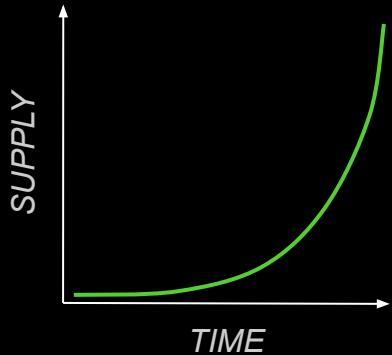
SHRINKFLATION
*Reduce Quantity
of Ingredients*



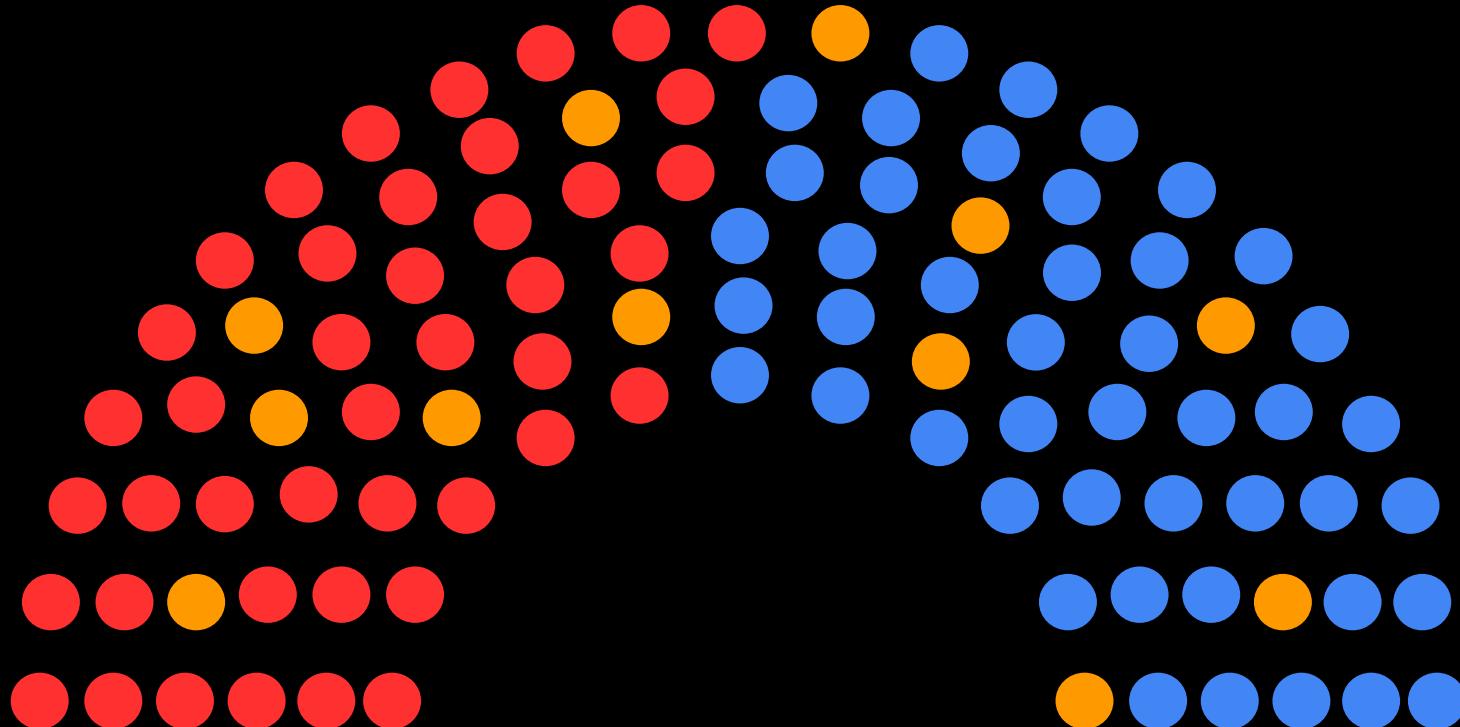
PRICE INFLATION
*Pass on Costs to
Customers*



@anilsaidso



Bitcoin transcends politics.



@anilsaidso

Innovation

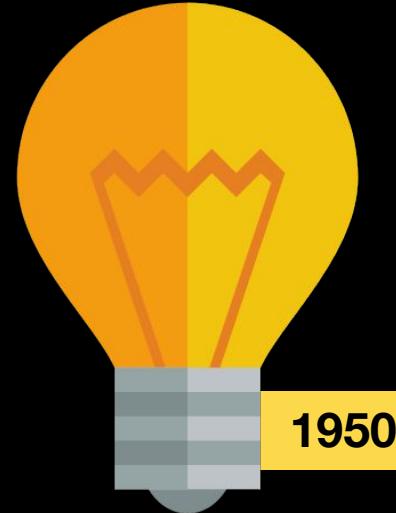
The Deflationary Force of Innovation



**Kerosene
Lamp**

1 min of work buys
4 mins of light

1880



Incandescent Bulb

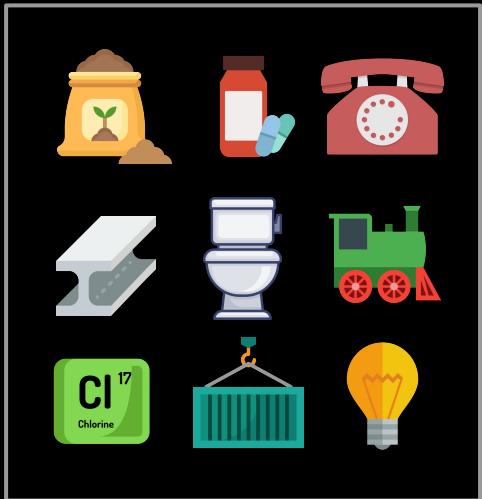
1 min of work buys
7 hrs of light

1950

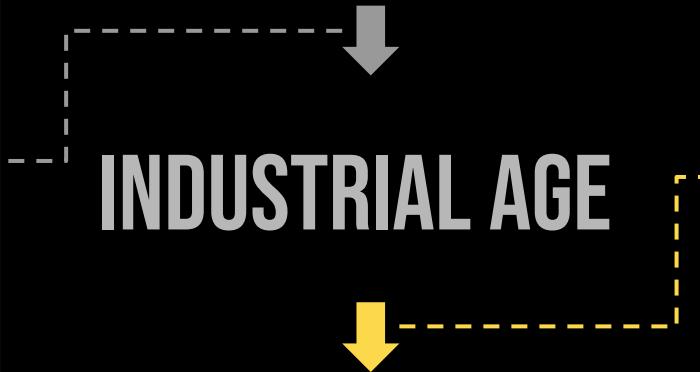
"A minute of work in 1880 on the average wage could earn you four minutes of light from a kerosene lamp;

a minute of work in 1950 could earn you more than seven hours of light from an incandescent bulb.."
—Matt Ridley

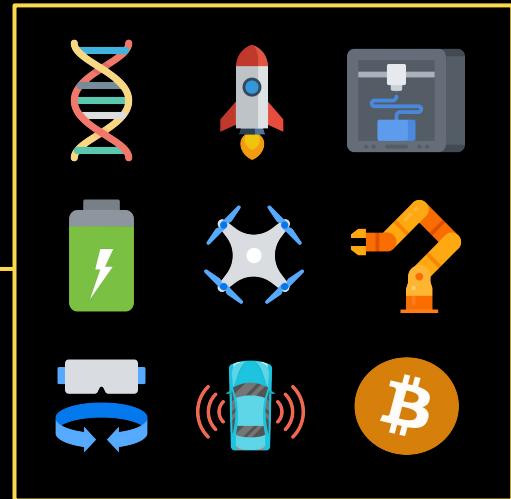
AGRARIAN AGE



INDUSTRIAL AGE



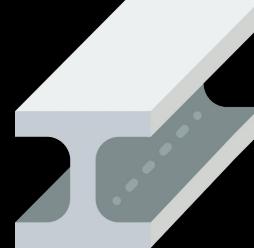
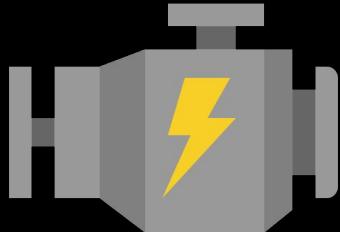
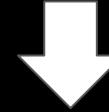
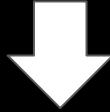
INFORMATION AGE



The lesson of innovation: upgrade or get left behind



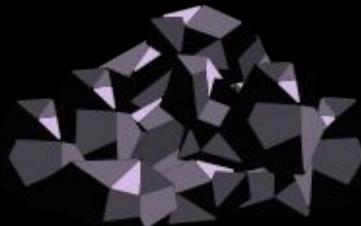
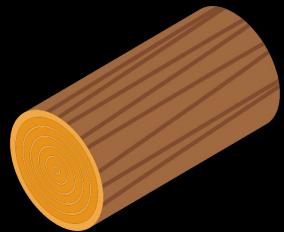
@anilsaidso



As the density of a fuel source increases,
storage and transportation costs decrease.

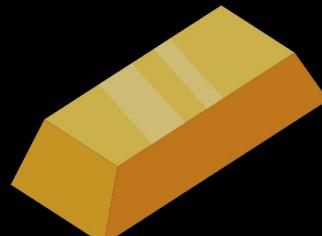
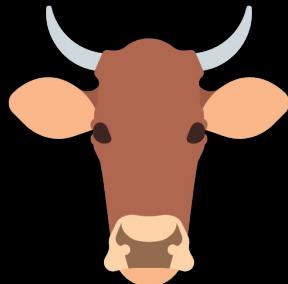
The same is true for stores of value.

STORE OF
ENERGY

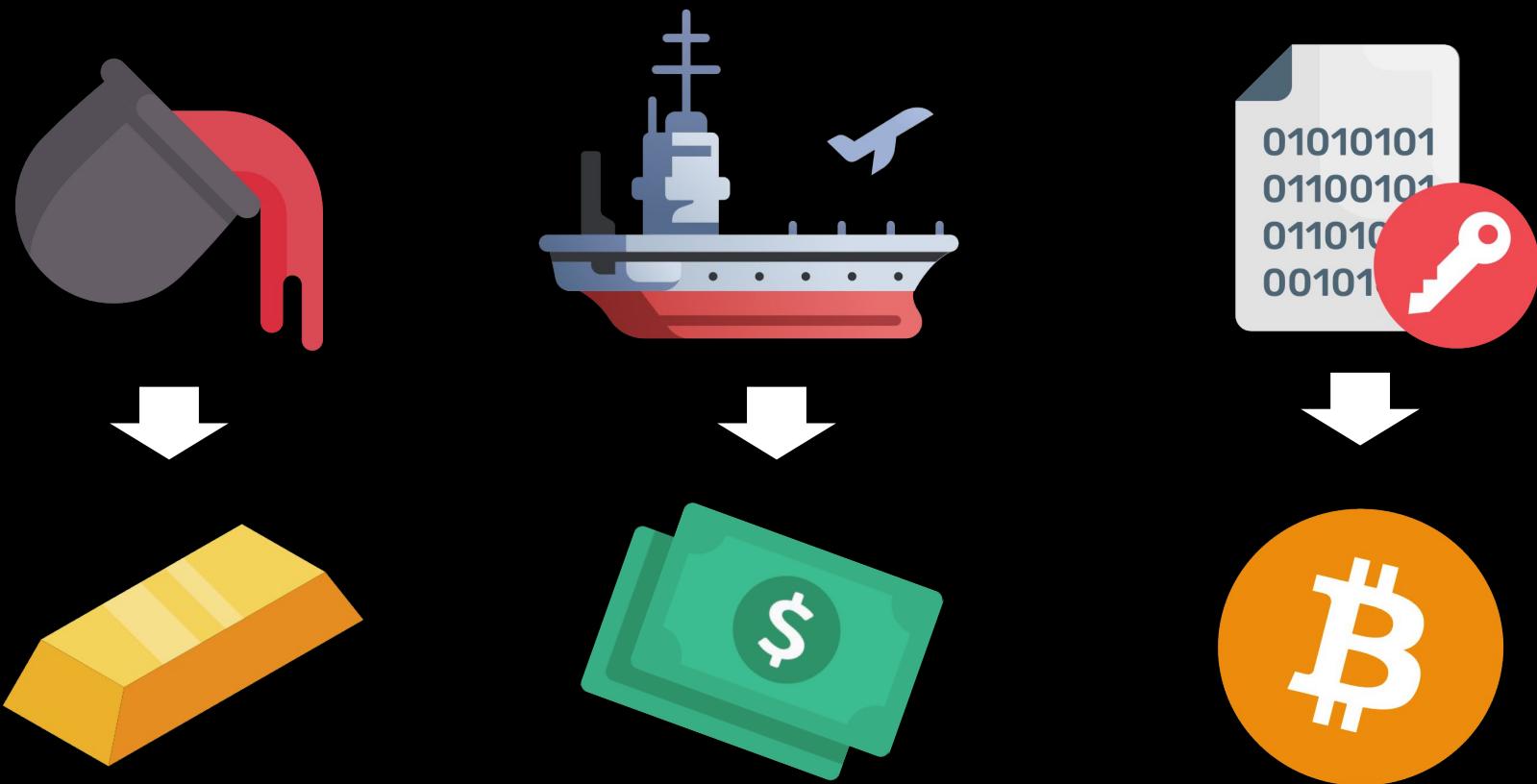


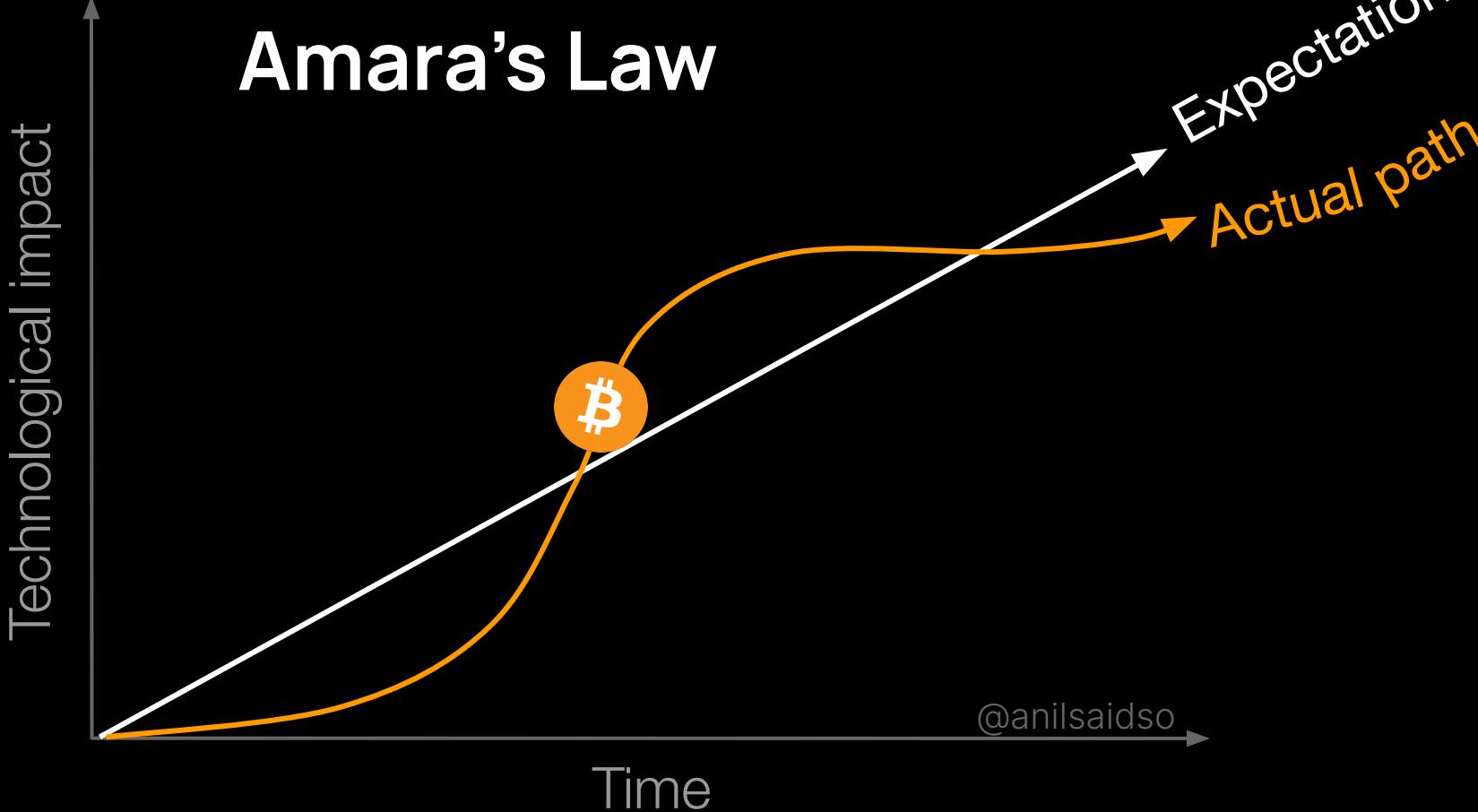
lower ← density → *higher*

STORE OF
VALUE



Money is technology.

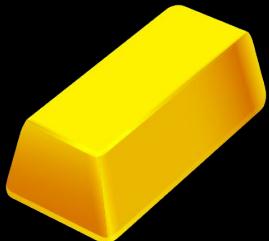




How It's Made



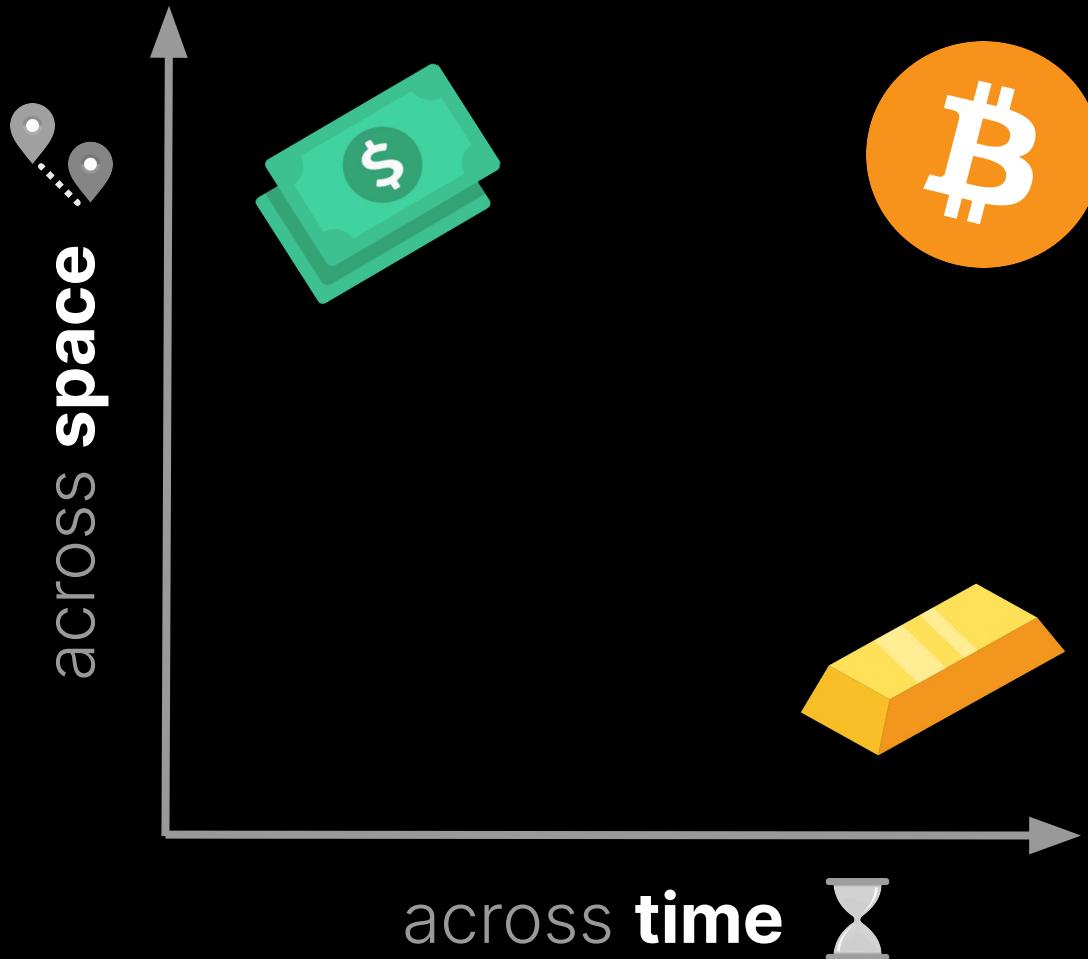
**HARD
MONEY**



**EASY
MONEY**



Money that has no cost to produce,
will be produced ad infinitum.



Salability *(noun)*

The extent to which something can be easily sold.

Can it be arbitrarily diluted?

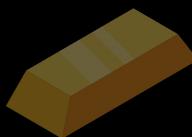
NO

YES

Can it be stopped?

NO

YES



STATIONARY

custodial

PHYSICAL

visible



DIGITAL

invisible



MOBILE

non-custodial

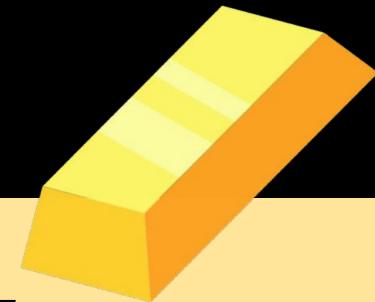


@anilsaidso

@ANILSAIDSO

PAST

**GOLD
STANDARD**



FUTURE

**BITCOIN
STANDARD**



Economics

total # of halvings
to ever occur

$$\sum_{i=0}^{32}$$

210,000

of blocks
between halvings

$$\frac{50}{2^i}$$

of new
bitcoins issued
per block

cumulative #
of halvings
so far

Current Epoch

Block Subsidy:

฿6.25

*Newly
Mined*

*Circulating
Supply*

Blocks: 630,000-839,999

Blocks: 840,000-1,049,999

Next Epoch

Block Subsidy:

฿3.125

Total Bitcoin Mined

APR 2023

92%

0

21M

19.3M

2009

2140
(est.)

What do miners compete for?

(April 2023)

0

21M

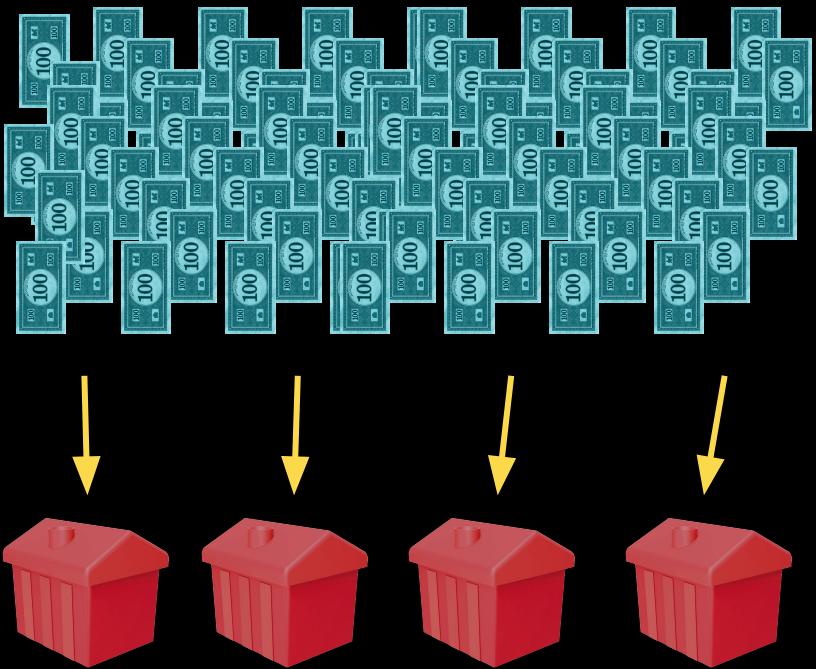
19.3M

1.7M

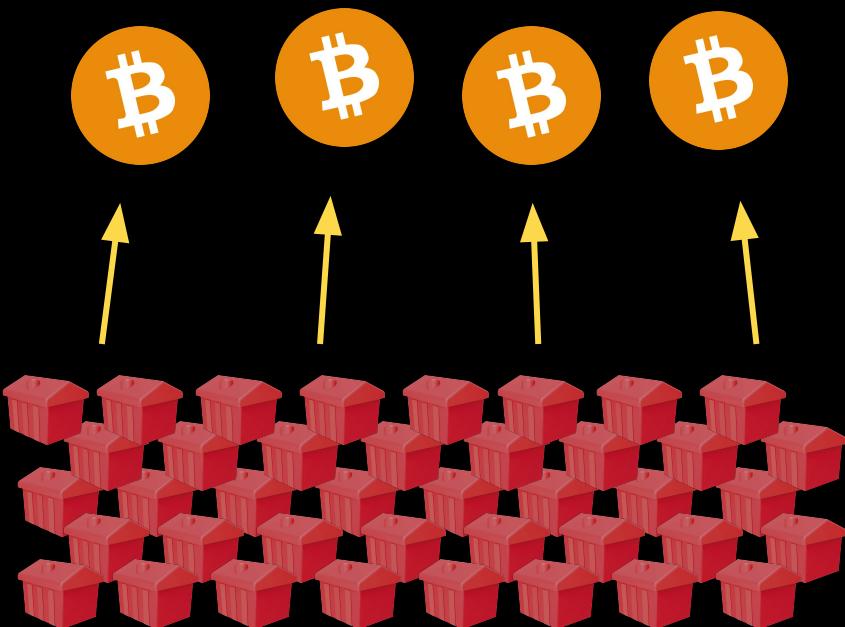
Transaction fees
from circulating supply

Remaining bitcoin
issued w/ new blocks

Fiat Economy



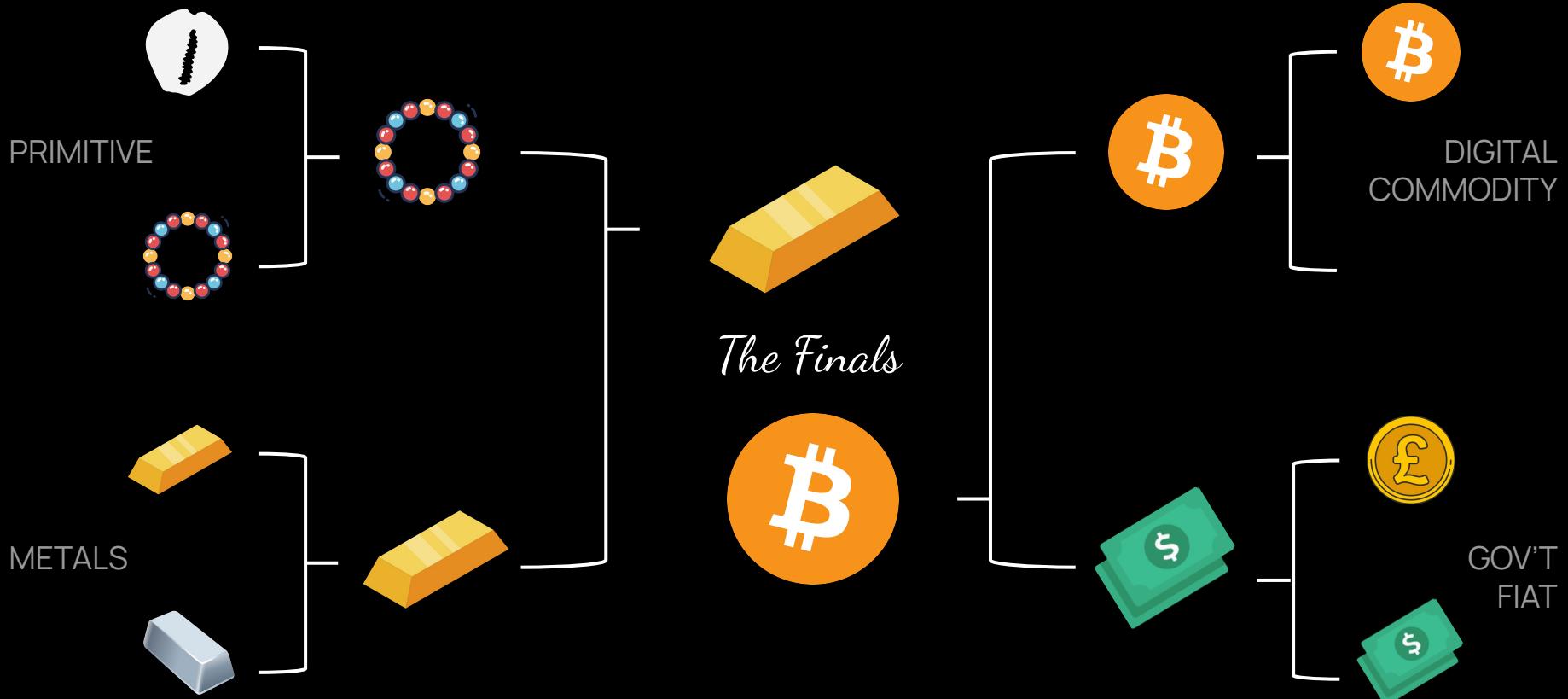
Bitcoin Economy



Abundant money leads to asset scarcity.

Scarce money leads to asset abundance.

Money is a winner-take-all competition.



@anilsaidso

Grocery prices rising

Gas Prices Were Supposed to Drop
They Just Keep Rising

Inflation, rising energy prices
could squeeze U.S. families

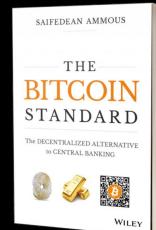
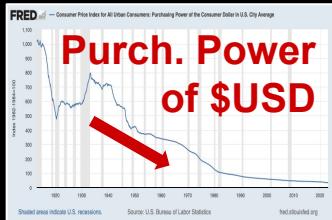
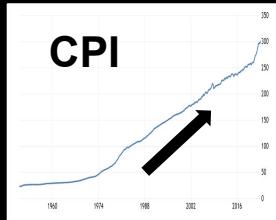
House prices at seven times average
income as supply dwindles further

SYMPTOMS → ROOT CAUSE



SOLUTION

BITCOIN MARKETING FUNNEL



AWARENESS > INTEREST > CONSIDERATION > INTENT > EVALUATION > PURCHASE

Systems *of* Measurement



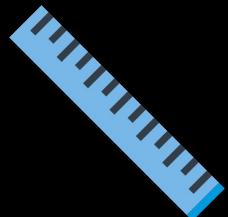
Weight



Temp.



Energy



Distance



Time



Angle



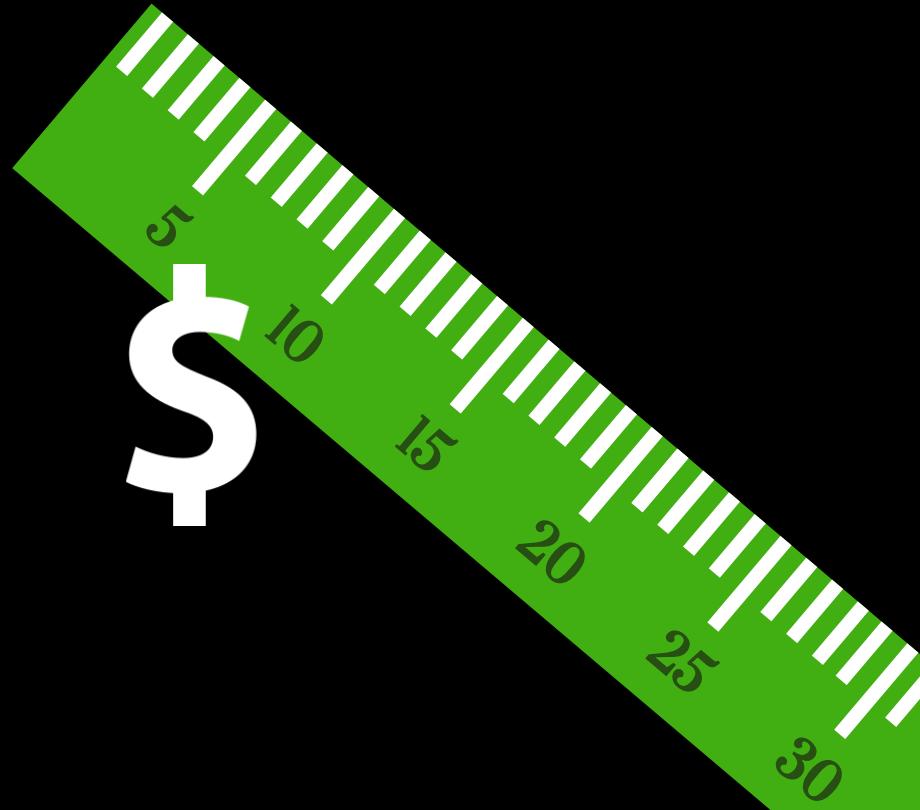
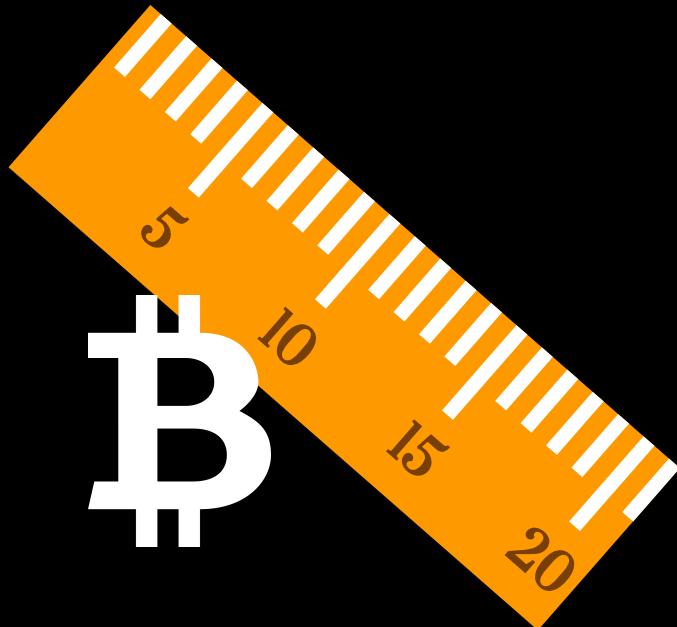
Pressure



Value

“Don’t measure your life by someone else’s ruler.”

—Kevin Kelley



HOW BITCOIN GROWS

TAKING A SLICE FROM MANY PIES

@anilsaidso



- Insurance Policies
- Credit Card Rewards
- Loyalty Programs
- Salaries
- Lotteries & Gaming
- Savings & Loans

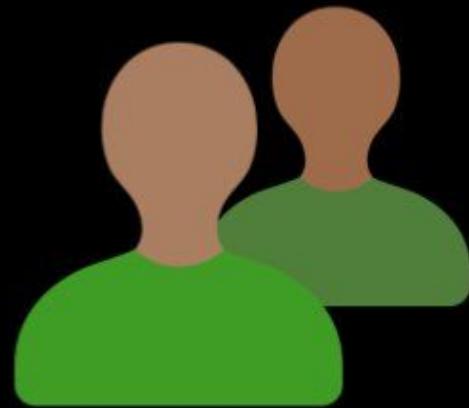


- Pension Funds
- Endowments
- Mutual Funds
- Corporate Treasuries
- Sov. Wealth Funds



- Investment Real Estate
- Precious Metals
- Corporate Bonds
- Gov't Bonds
- Equities
- Physical Collectibles

Networks



PEOPLE



CARGO

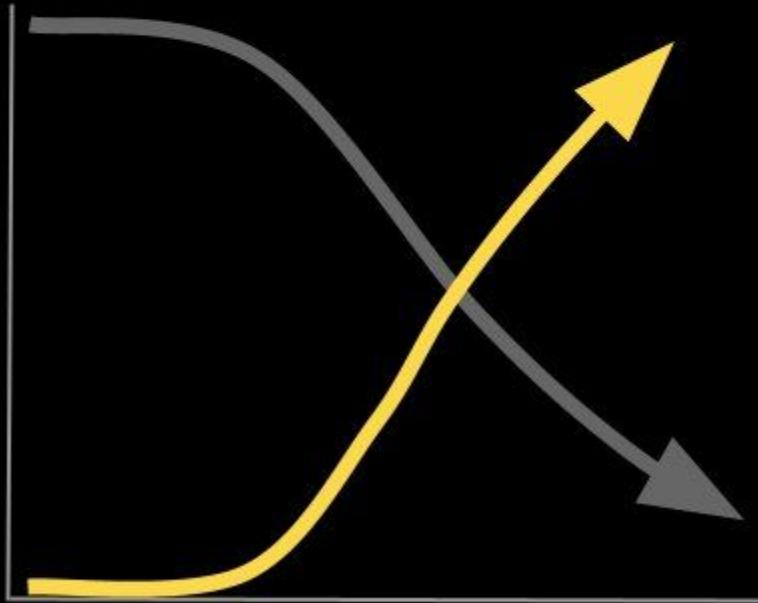


INFORMATION



Networks are how things get from A → B.
Most commonly, we use networks to transport people, cargo, and information.

CREATIVE DESTRUCTION



@



As engineering advances, networks (and infrastructure) may be rendered obsolete as more useful modes of moving things from A → B become economical.



PHYSICAL TRANSMISSION



WIRED



Smoke
Code



Ethernet
Data



Mail
Text



Telegraph
Morse



Telephone
Sound



WIRELESS



Cellular
Sound, Data



Satellite
Data



Wi-Fi
Data



Bitcoin
Value

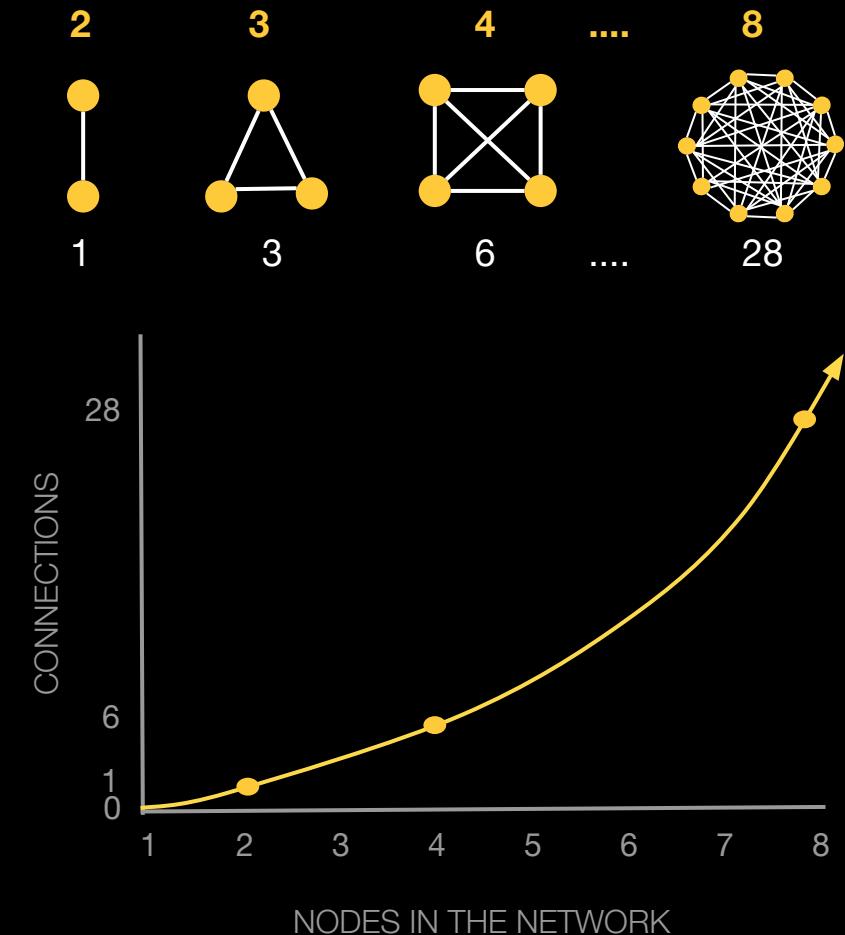
Communication networks are not immune to innovation, which regularly births new ways of sending & receiving information.

Network Effects

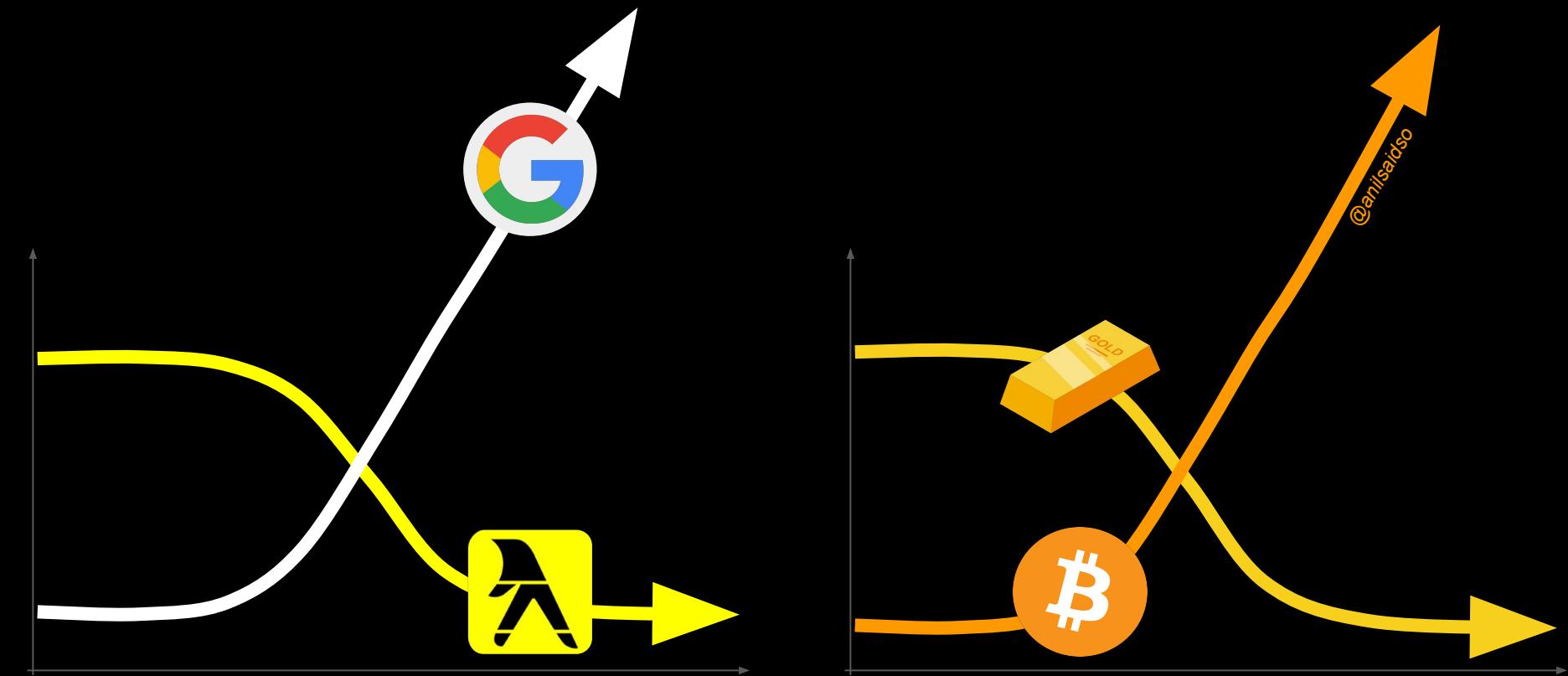
Metcalf's Law

The value of a communications network being approximately proportional to the square of the number of connected users

Network Value $\propto (\# \text{ of nodes})^2$



Dominant digital networks exceed the scope of analog predecessors.

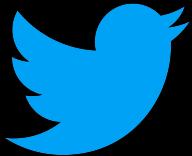


>\$100bn Dominant Digital Networks

@anilsaidso



Retail



Speech



Information



Social



Mobile



Video

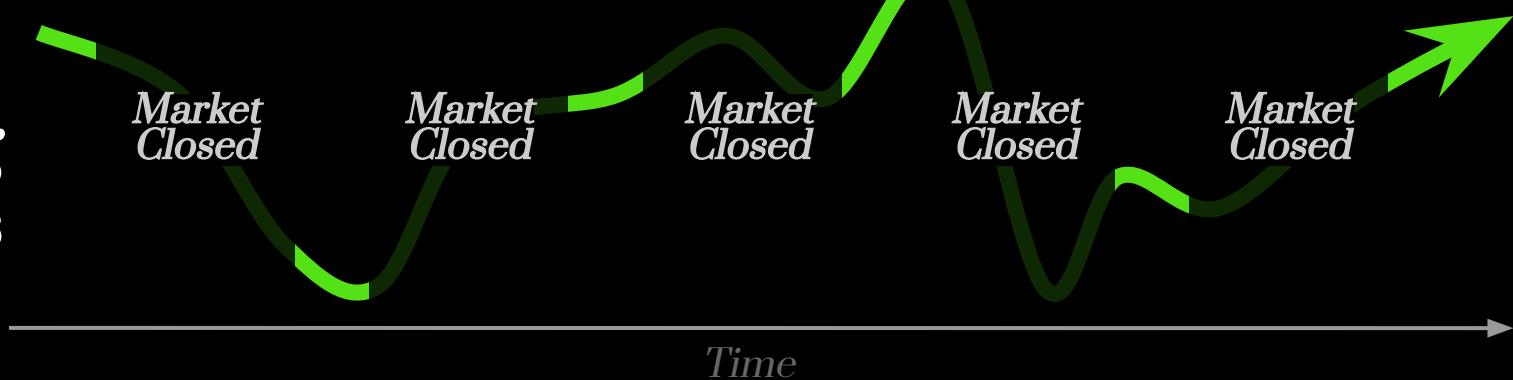


Monetary

Bitcoin's global market never closes.

There are no public holidays, listing requirements, or trading halts.
It's the highest-fidelity market we've ever had.

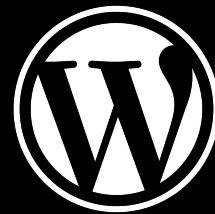
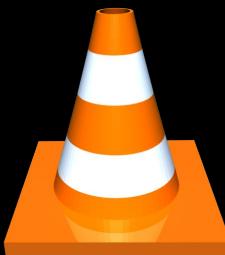
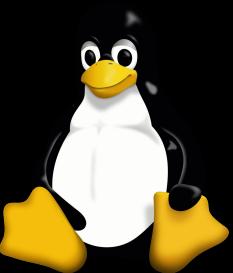
Trading Hours



24/7



Open-source Software



Operating Systems

Media

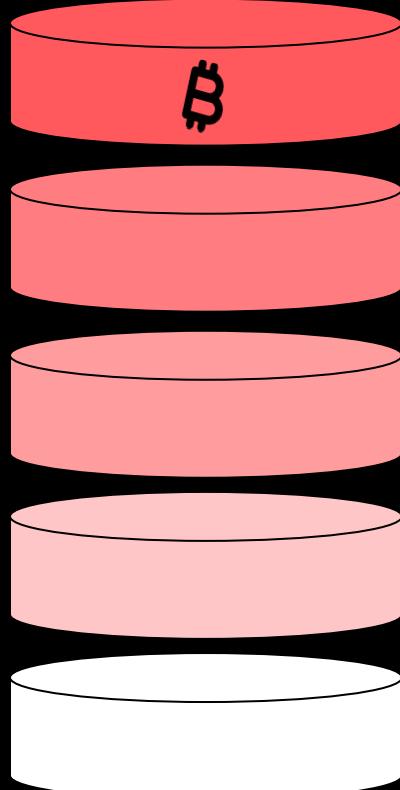
Publishing

Browser

Money

THE FIFTH LAYER

Illustration: @anilsaidso
Quotes: Robert Breedlove



VALUE TRANSFER LAYER

“Allocates scarce resources across networks”

APPLICATION LAYER

“Delivers software files & applications”

TRANSPORT LAYER

“Persists communication across any given conversation”

INTERNET LAYER

“Routes data packets across networks”

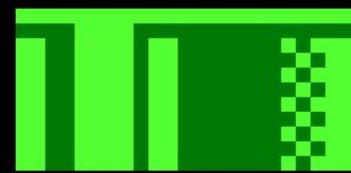
LINK LAYER

“Puts data packets on the wire”

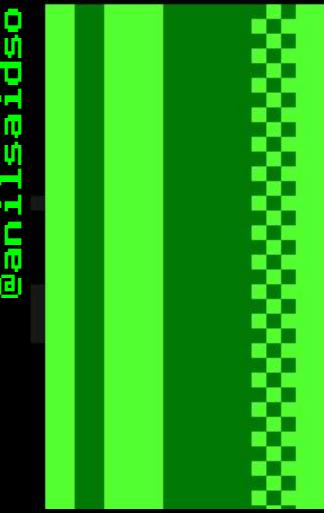
MONEY vs PAYMENTS



The thing that
can settle a
transaction.



@anilsaidso



The plumbing
that moves
money
(*updates
ownership*)
from A → B



TRANSACTION BITCOIN OFFLINE

SATELLITE
(BLOCKSTREAM)



SHORTWAVE
RADIO



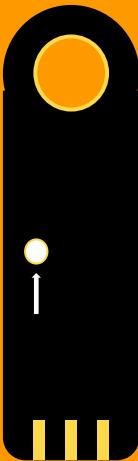
SMS



MESH
NETWORKS

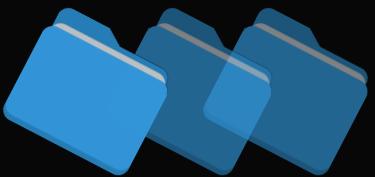


PHYSICAL
BEARER
INSTRUMENTS



Bitcoin

DIGITAL DUPLICATION



1948

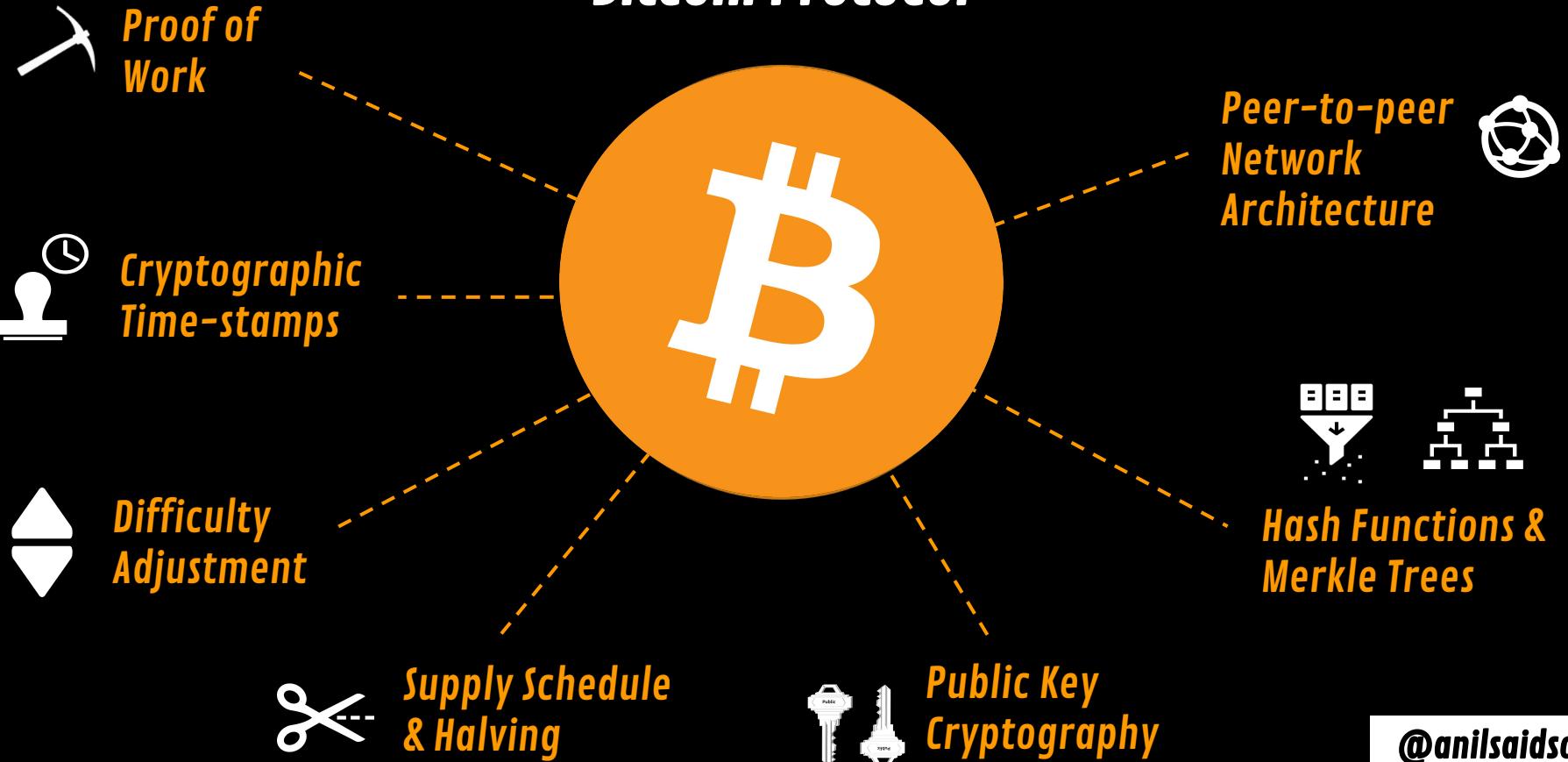
2009

DIGITAL SCARCITY

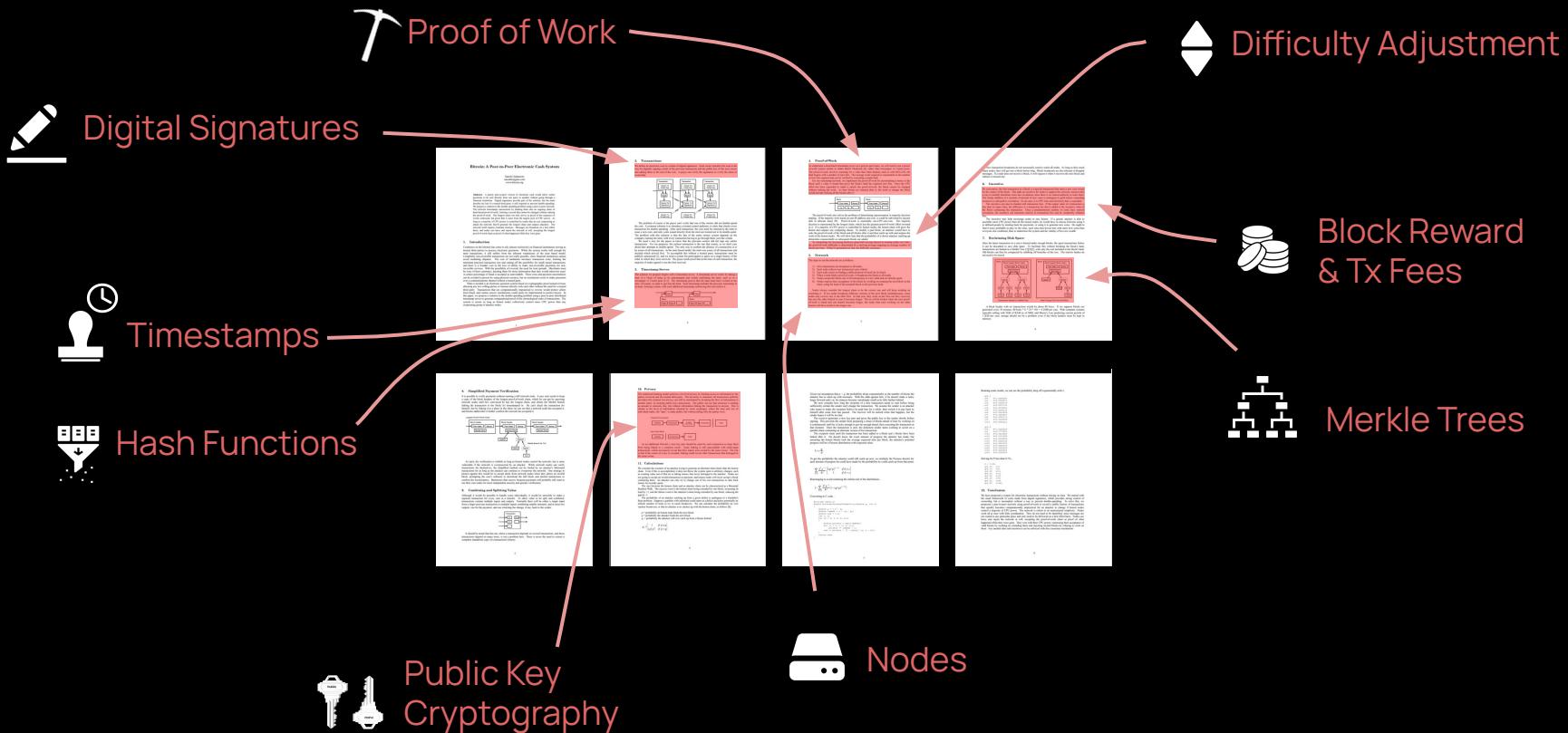


The image features a large, stylized orange Bitcoin logo watermark in the lower-left quadrant. The background consists of a grid of binary code, represented by a series of black numbers (0s and 1s) on a white background.

Mechanics of the Bitcoin Protocol



Deconstructing the White Paper



The Evolution of Accounting Technology

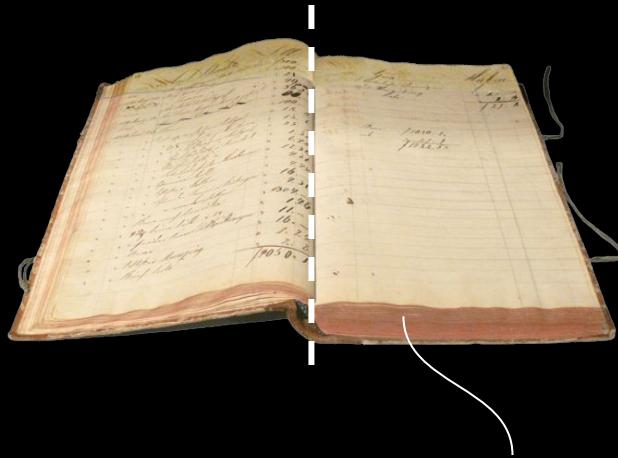
Single-entry



2000 B.C.

Mesopotamia
Sumerian cuneiform describing
the receipt of oxen

Double-entry



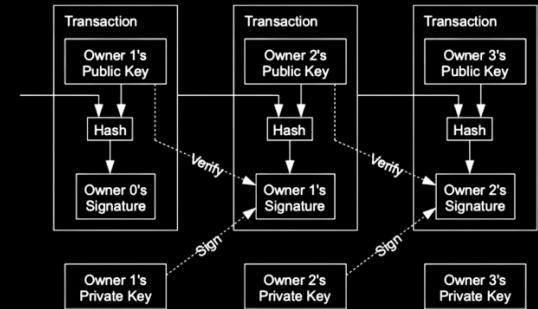
70 A.D.

Rome, Italy
System of *Tabulae Rationum*
described by Pliny the Elder

1299

Nîmes, France
Earliest recorded use
by Amatino Manucci

Triple-entry



2008

System of a independently verifiable
chain of digital signatures
by Satoshi Nakamoto

SOUND



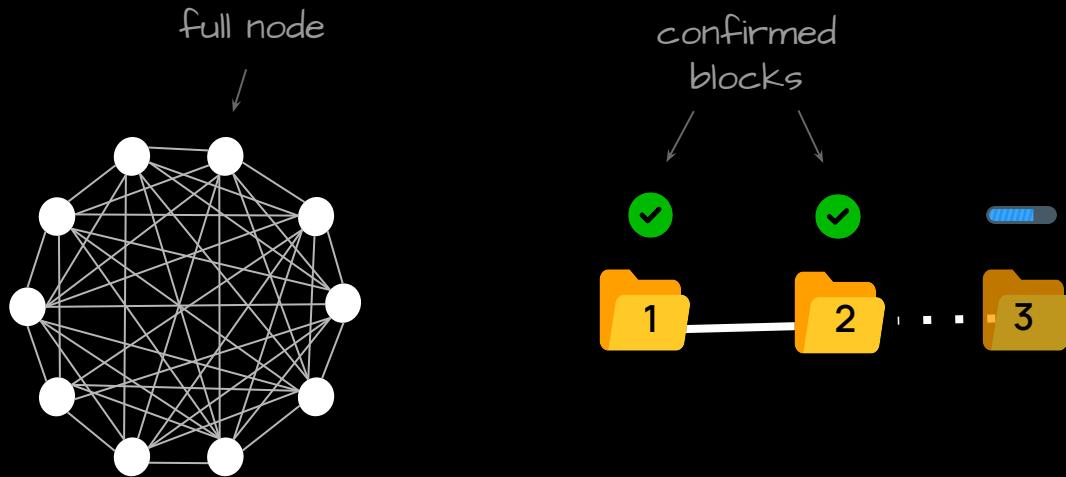
@nilsaidso

UNsound



฿6.15

'satoshis'
(up to 8 decimals)



bitcoin

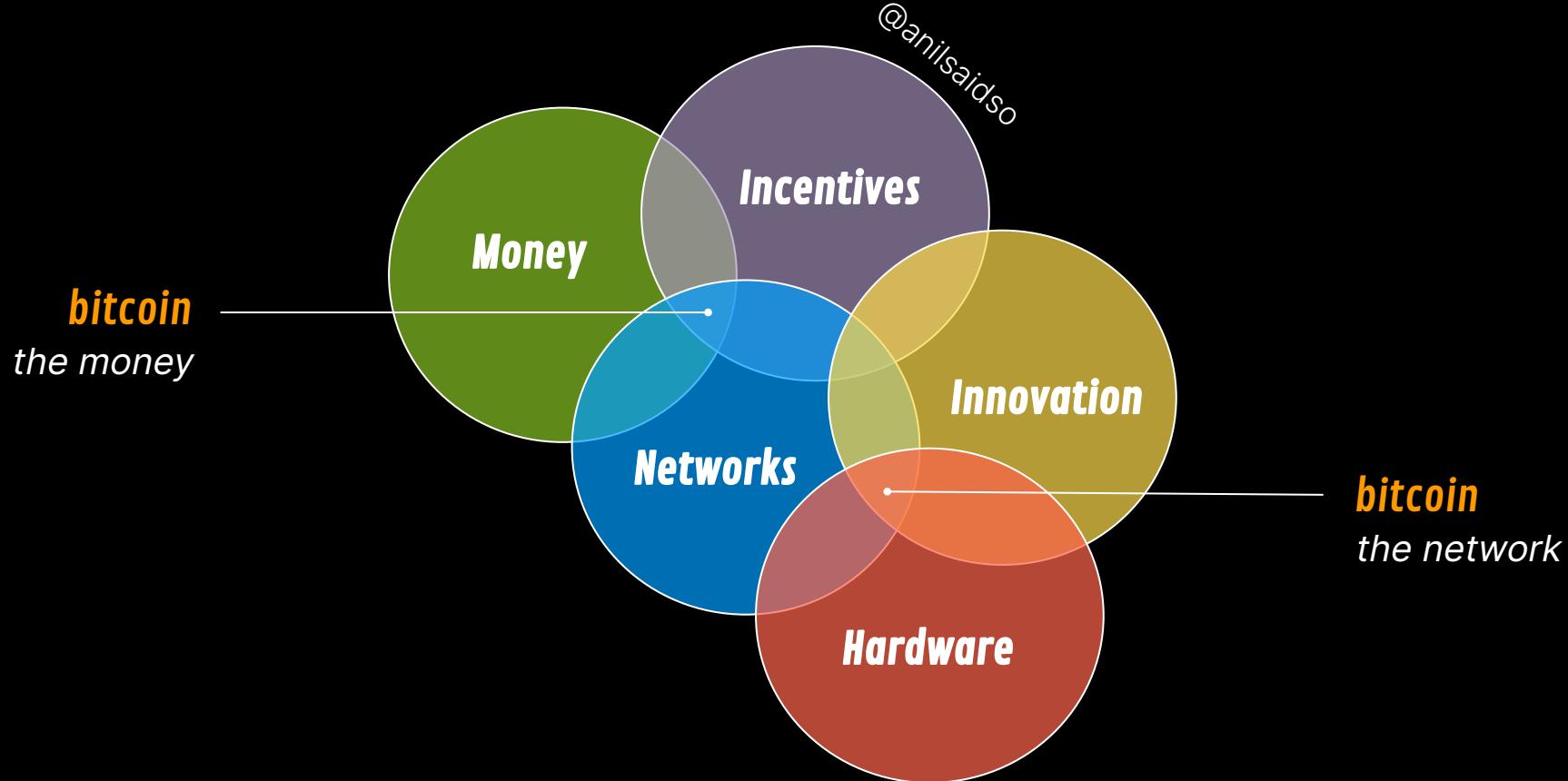
monetary unit

the network

connected nodes
w/ a common ruleset

the blockchain

linked record of
verified tx's



BITCOIN IS *INTERDISCIPLINARY*



@anilsaidso

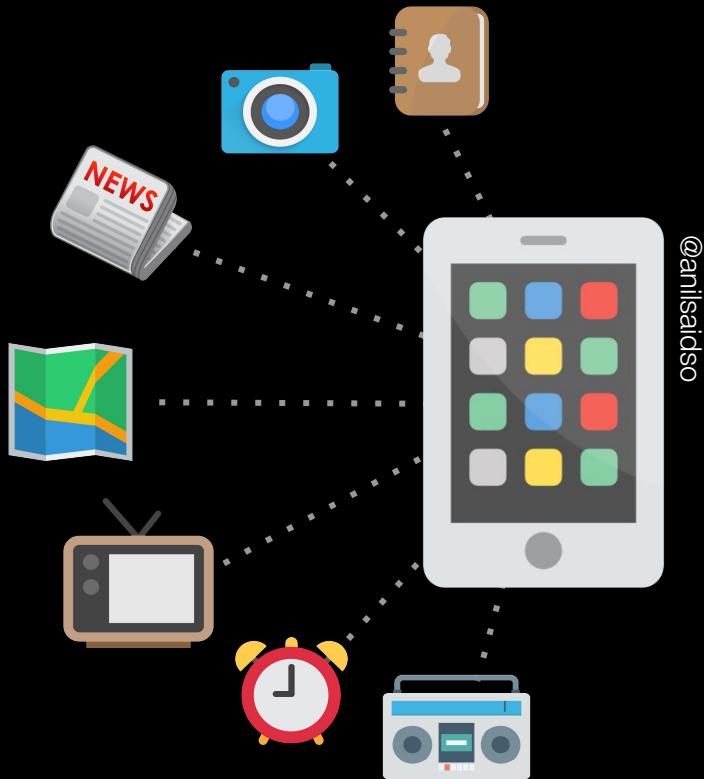
*"Bitcoin will be
stopped"*

**Understanding of
Monetary History**

*"Bitcoin will be
obsoleted"*

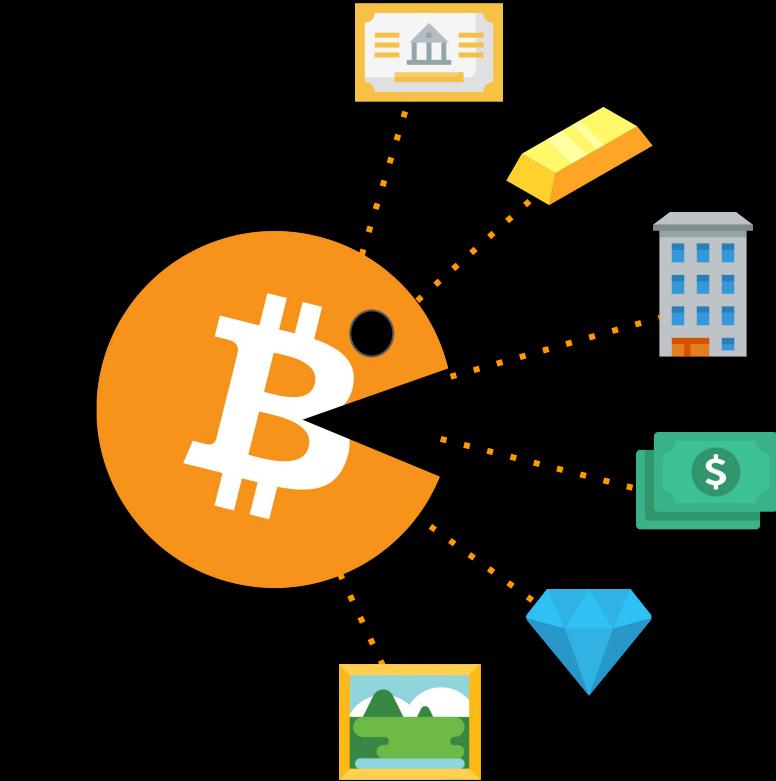
**Understanding of
Digital Networks**

*"Bitcoin
has already
won"*



2010's

Software is eating
consumer goods



2020's

Software is eating
monetary goods

Birth year

1946-1964

1965-1980

1981-1996

1997-2012

2013-2025

BOOMERS

GEN X

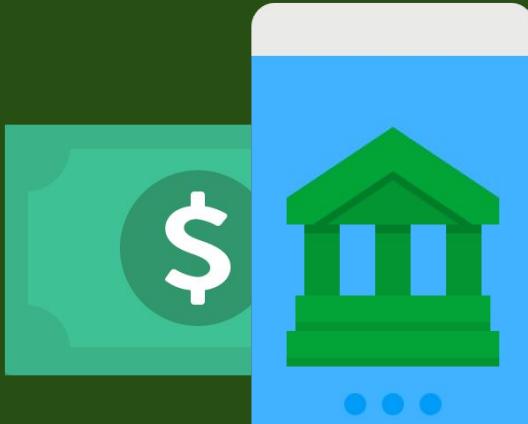
MILLENNIALS

GEN Z

GEN B

DIGITAL

*Geo-fenced
Proprietary
KYC
Censorable
Printable*



NATIVELY DIGITAL

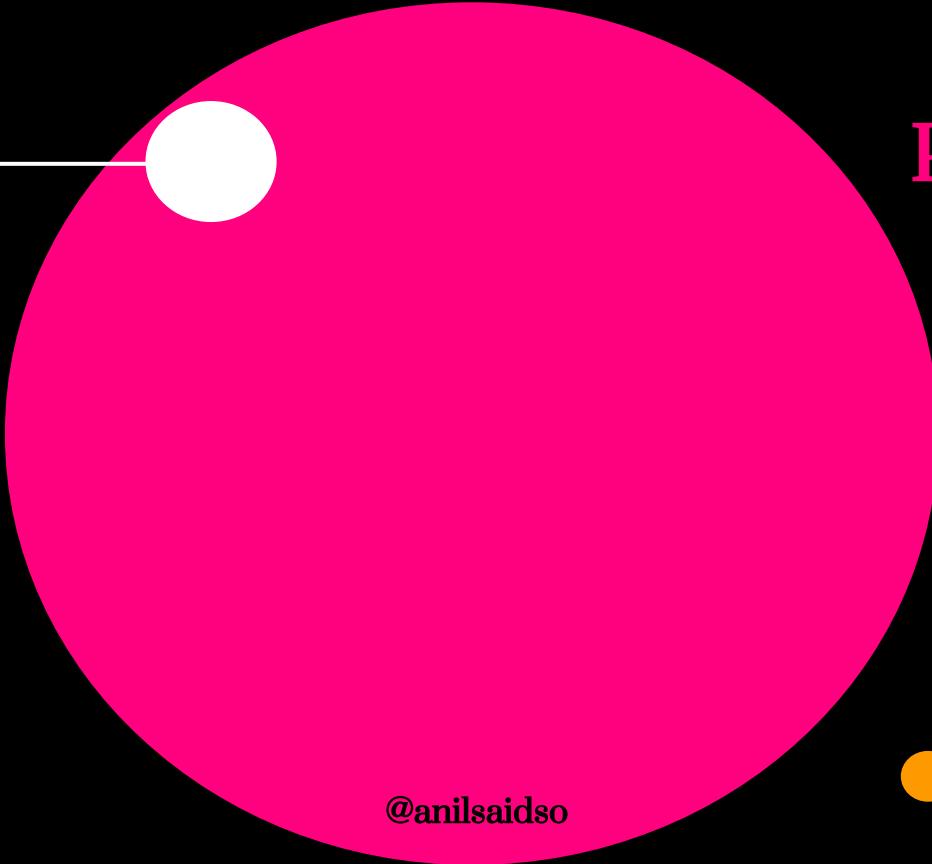
*Borderless
Open Source
Permissionless
Censorship-resistant
Terminal supply*



@anilsaidso



what normies see



Nocoiners

Precoiners



Bitcoiners

@anilsaidso

Precoiners are bitcoiners that just don't know it yet.
Nocoiners are precoiners that just don't know it yet.

Fallacies

HEADLINE GENERATOR

Select technology ▼

Bitcoin

The Internet

Artificial Intelligence

Robots

Select hysteria ▼

Taking our Jobs

Boiling the Oceans

Facilitating Crime

A Speculative Bubble



The **FOUR** Critics of Bitcoin

According to Alex Gladstein



**Salty
Hater**



**Desperate
Statist**



**Dishonest
Intellectual**



**Prisoner of
Sunk Cost**

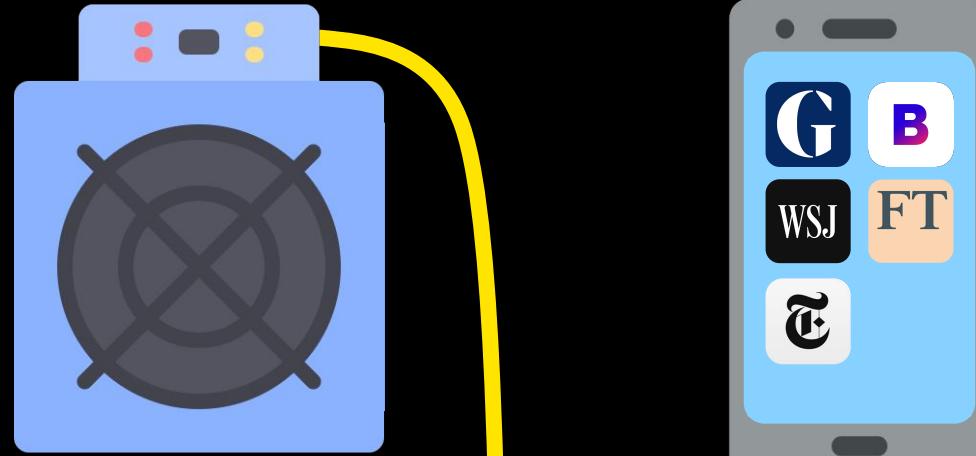
"You heard about Bitcoin years ago, but never bought, and are now salty."

"You believe money can only be created by the state, so Bitcoin breaks your worldview."

"You haven't done the work to understand Bitcoin so you wish it would just go away."

"You are invested in an altcoin and feel the need to criticize Bitcoin to defend your life choices."

**Gives eight
billion people
monetary
sovereignty**



**Used to
criticize
bitcoin's
electricity
consumption**

Is bitcoin useful?

Unsure

No

Yes

Bad for society

Has failed

Will fail

Dangerous

Unfair

Useless

Obsolete

Economic

Technological

Government

Scam
(ponzi, pyramid)

Excessive
energy use

Facilitates
crime

Pollution &
e-waste

Speculation/
Gambling

Concentrated
ownership

Incentivizes
hoarding

Expensive
to acquire

High fees

Volatile

Slow
transactions

No intrinsic
value

Limited
functionality

Unbacked

Duplicable

No use case

Complicated
to use

Fee-based
model

Inelastic
supply

Corruptible
supply

Miner
concentration

Encryption
hacked

Internet
reliant

Banned

Taxed

Regulated



Anil

@anilsaidso

