

BITCOIN

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PURPOSE

EXPLORE WHY **BITCOIN** IS **UNIQUELY VALUABLE** AND A **GROUNDBREAKING INNOVATION**.

GAIN INSIGHTS INTO HOW **BITCOIN** **OUTPERFORMS FIAT CURRENCIES** IN **RESILIENCE, SCARCITY,**
AND LONG-TERM VALUE.

DIVE DEEP INTO **BITCOIN'S BLOCKCHAIN TECHNOLOGY**, UNCOVERING HOW IT **ENSURES**
TRANSPARENCY, SECURITY AND TRUST.

PROCESS OF CREATION

BITCOIN WAS CREATED BY AN ANONYMOUS INDIVIDUAL OR GROUP CALLED **SATOSHI NAKAMOTO**.

BITCOIN WAS FIRST PUBLIC PUBLISHED NAMED **ELECTRONIC CASH SYSTEM**.

THE **FIRST BITCOIN TRANSACTION** WAS COMPLETED, WHERE SATOSHI NAKAMOTO SENT 10 BTC TO HAL FINNEY.

2008

2009

HIS IDEA WAS TO CREATE A **DECENTRALIZED CURRENCY**, NOT CONTROLLED BY BANKS OR GOVERNMENT.

NAKAMOTO MINED THE FIRST BLOCK OF THE BITCOIN **BLOCKCHAIN**.

THE BLOCKCHAIN

DEFINITION

A blockchain is a distributed ledger that records transactions in a **secure**, **transparent**, and **immutable** way.

STRUCTURE

The blockchain is a chain of blocks, where each block containing, **transactions**, **cryptography**, and **timestamp**.

KEY FEATURES



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graph TD; A[KEY FEATURES] --> B[DECENTRALIZATION]; A --> C[TRANSPARENCY]; A --> D[IMMUTABILITY]; A --> E[SECURITY];
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DECENTRALIZATION

It operates across a **global network of computers** instead of being managed by a central authority.

TRANSPARENCY

Anyone can view the Bitcoin blockchain, making transactions **publicly accessible**.

IMMUTABILITY

Once a block is added to the chain, it **cannot be altered** without consensus from the network.

SECURITY

It uses **cryptographic techniques** to secure data and validate transactions.

BENEFITS OF BITCOIN'S BLOCKCHAIN

Trustless System

No need for intermediaries
(like banks) the system
relies on code and
consensus.

Reduced Fraud

Transactions are secure
and cannot be easily
altered.

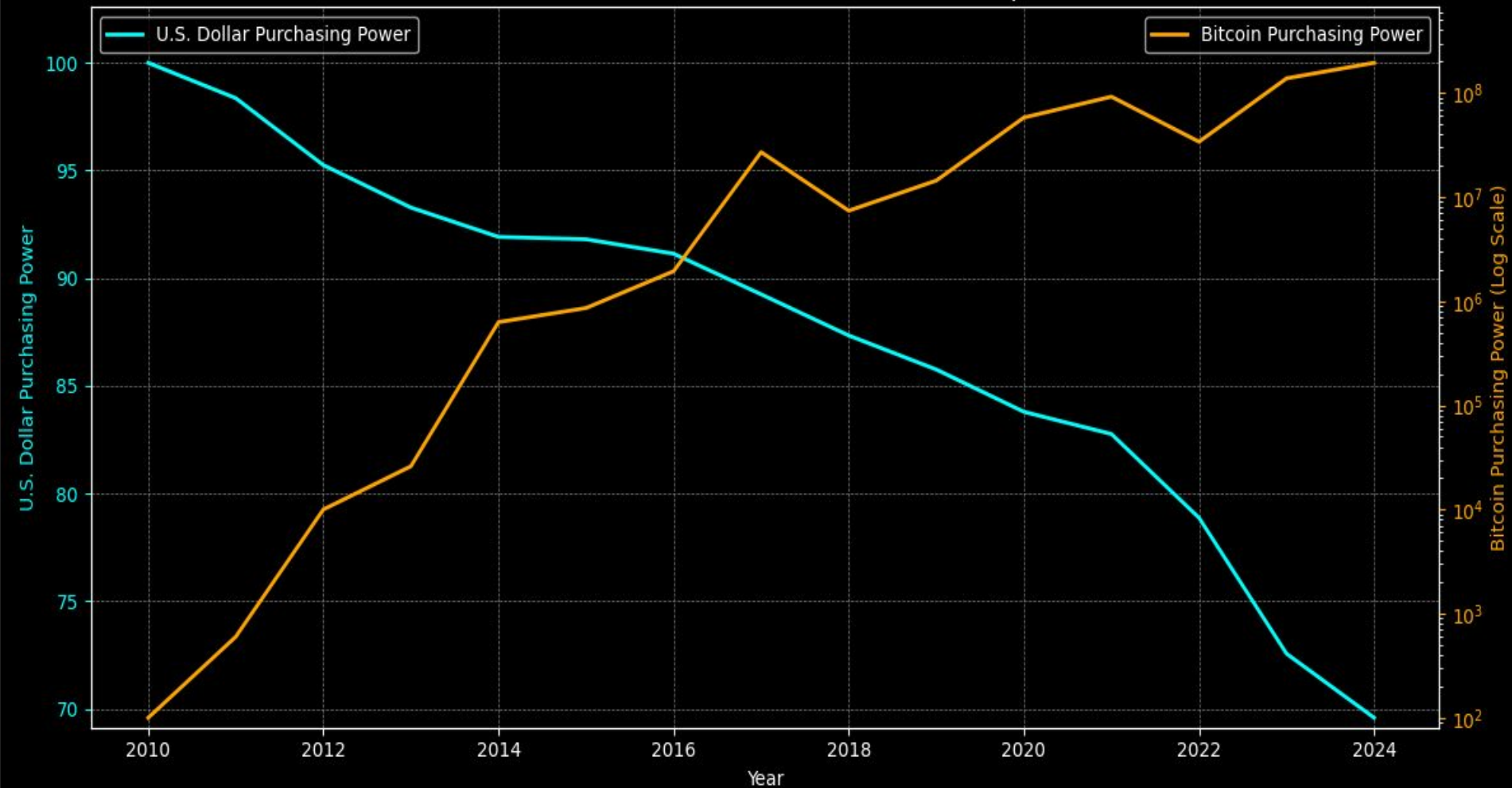
Global Accessibility

Anyone with an internet
connection can
participate.

BITCOIN VS FIAT CURRENCY

CRITERIA	BITCOIN	FIAT CURRENCY
Control	Decentralized	Centralized (government/banks)
Supply	Limited (21 million)	Unlimited (can be printed)
Transparency	Public, blockchain-based	Private, bank records
Transaction Fees	Generally lower	Higher (3rd party involved)
Inflation Resistance	Resistant due to its supply	Prone to inflation

Bitcoin vs U.S. Dollar: Inflation Resistance Comparison



Bitcoin's Monetary Policy

Unlike fiat currencies that can be printed endlessly, **Bitcoin** has a hard cap of **21 million coins**.

This limit is **programmed** into Bitcoin's code and **cannot be changed** without global consensus, ensuring scarcity.

They are called **Halving Events**, which are programmed to happen every four years.

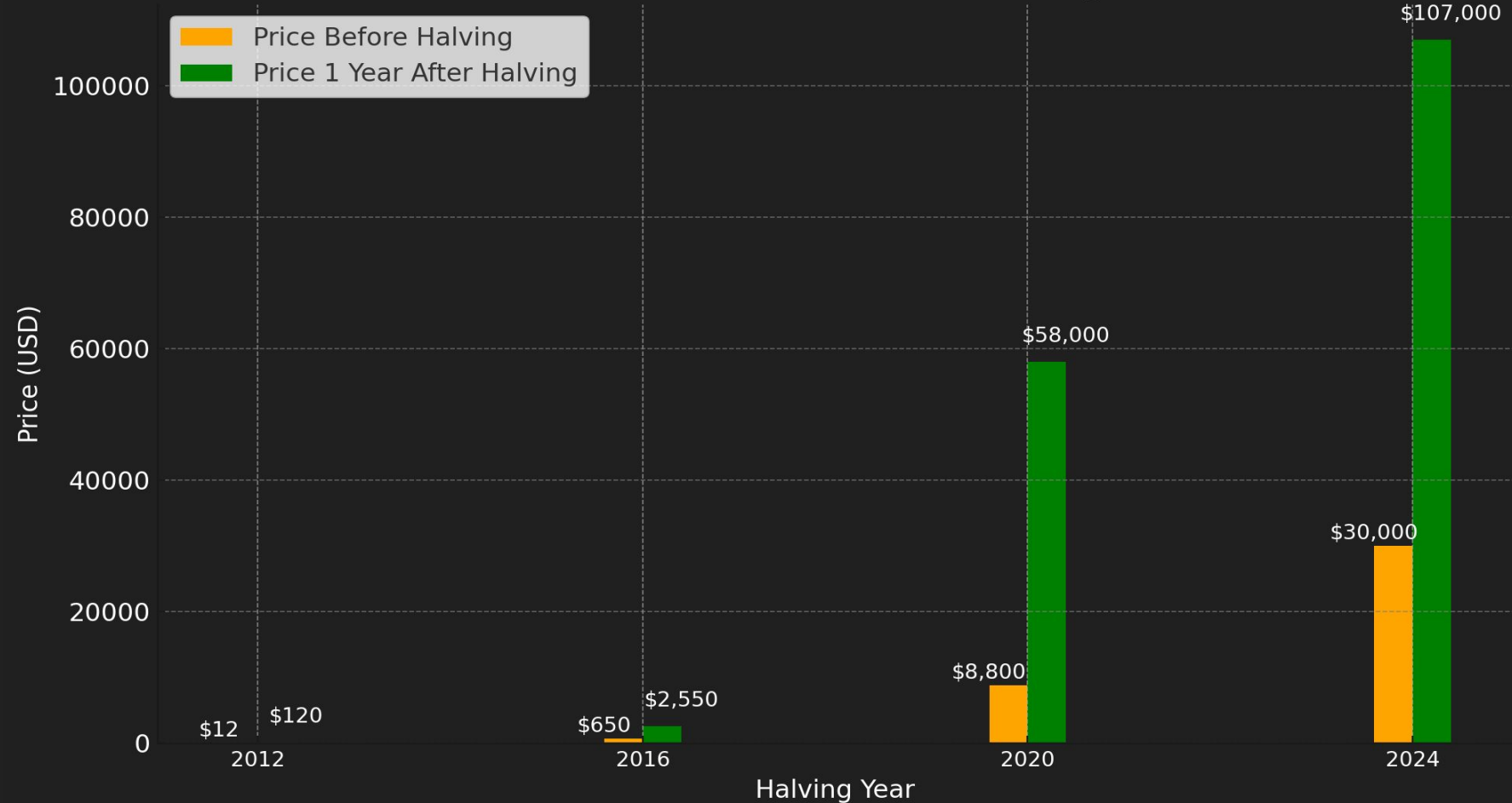
THE HALVING

Bitcoin's supply is gradually released through mining rewards, and **every 4 years**, the reward for mining new blocks is **halved**.

This process is called **Bitcoin Halving**, and it **reduces the rate** at which new Bitcoin enters circulation, mimicking **gold's scarcity**.

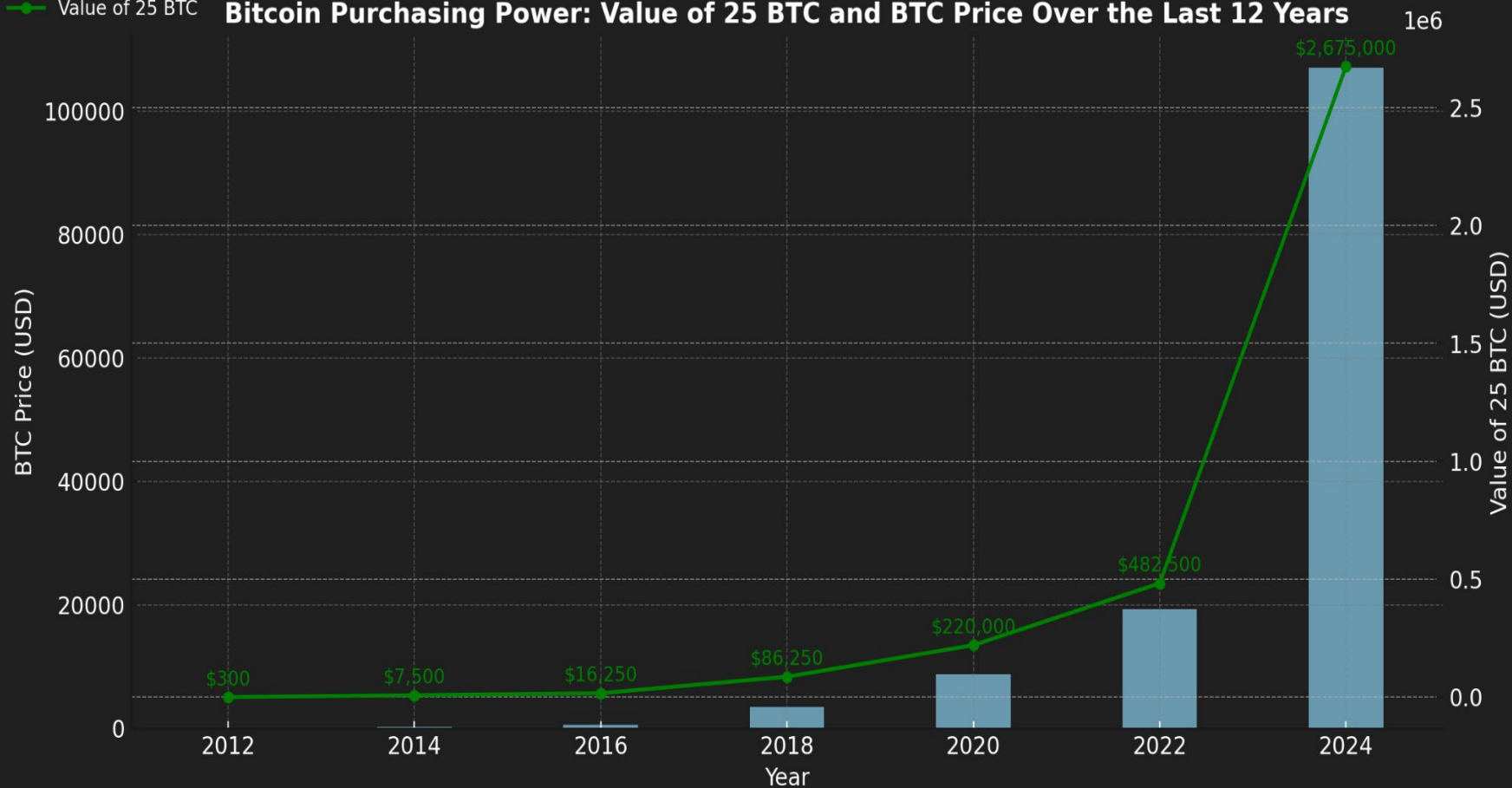
Year	Mining Reward
2012	25 BTC
2016	12.5 BTC
2020	6.25 BTC
2024	3.125 BTC
2028	1.5625 BTC
2032	0.78125 BTC
2036	0.390625 BTC

Bitcoin Prices Before and After Halving Events

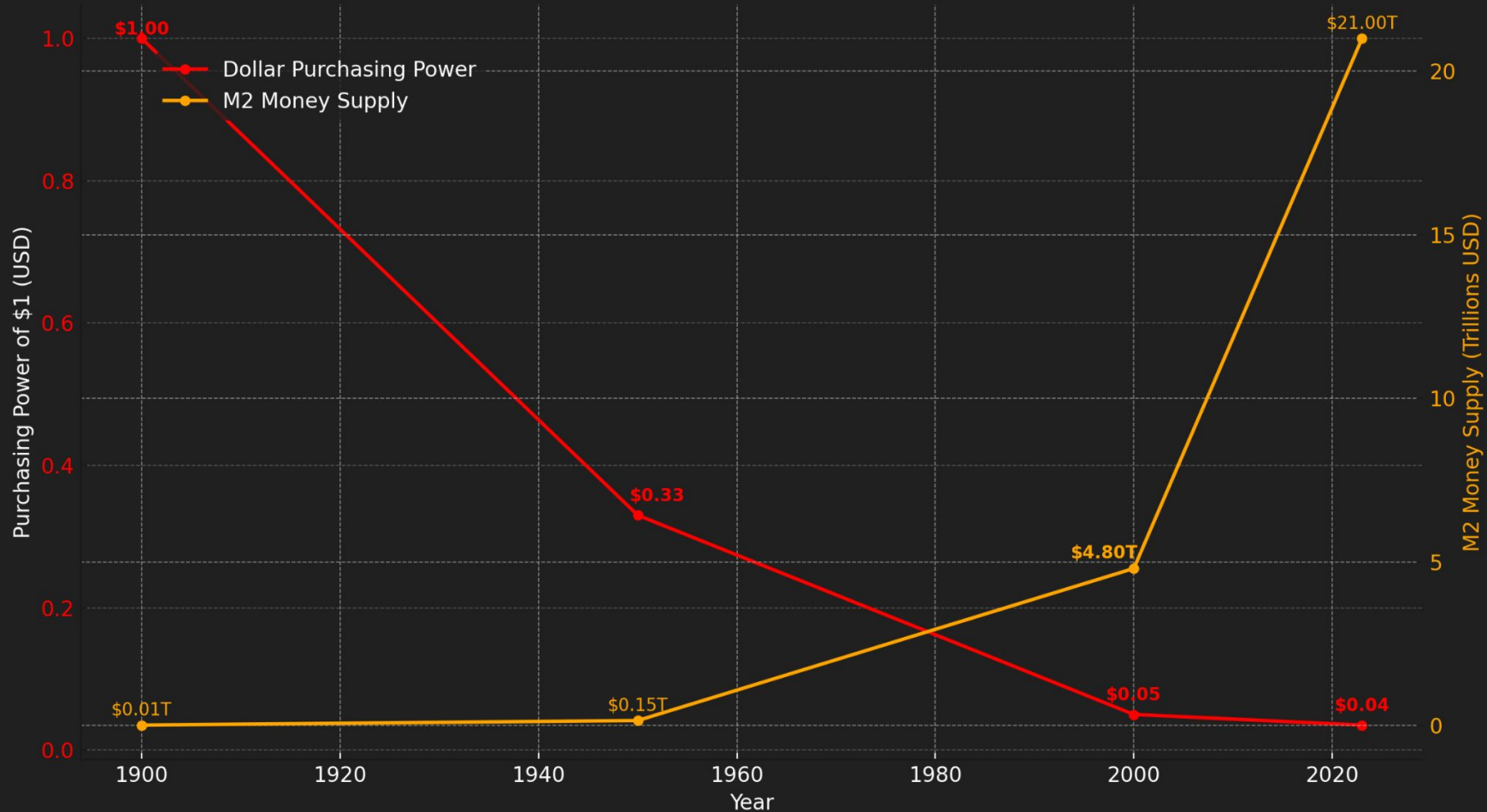


■ BTC Price
● Value of 25 BTC

Bitcoin Purchasing Power: Value of 25 BTC and BTC Price Over the Last 12 Years



Dollar Purchase Power Comparison



Real-Life Use Cases of Bitcoin

Cross-Border Payments

Allows for instant low-cost global payments.

A **migrant worker** sending money home can **save up to 90% in fees** using Bitcoin instead of services like Western Union.

Store of Value

Bitcoin is often referred to as "**digital gold**" due to its **scarcity** and **deflationary nature**. In regions experiencing hyperinflation, Bitcoin provides a **stable alternative** for preserving wealth.

In Venezuela, Bitcoin adoption has surged as **citizens seek refuge from the country's 400% annual inflation rate**.

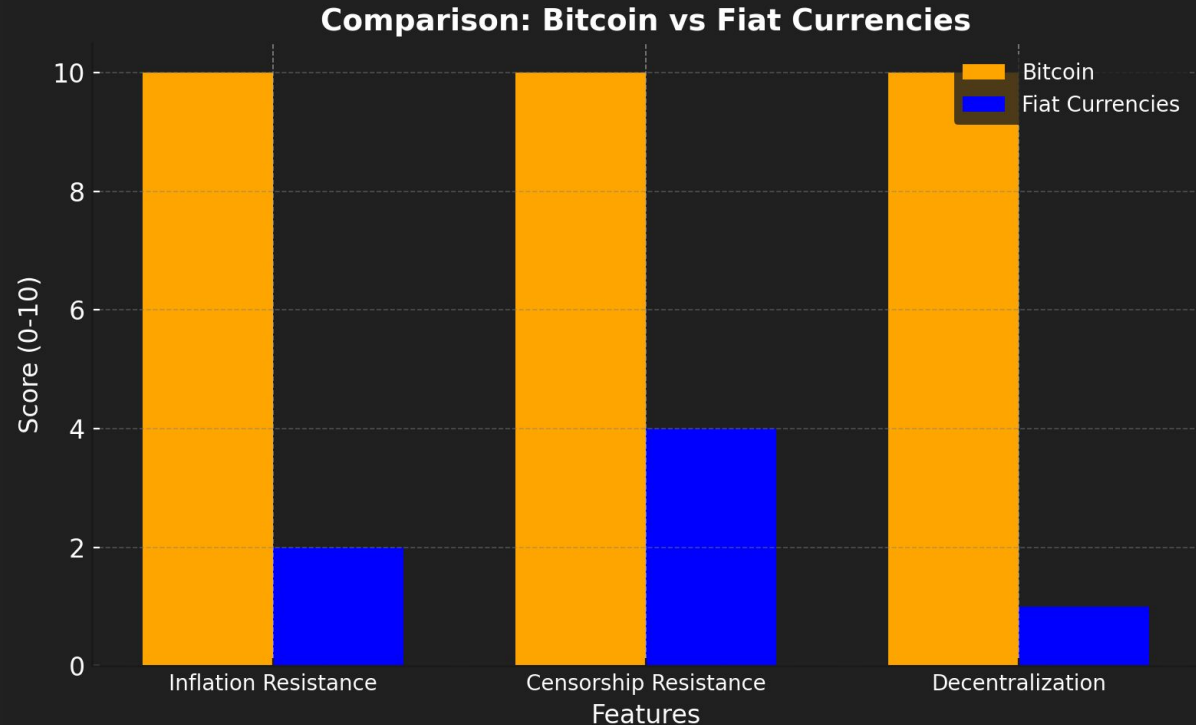
Markets Adoptions

Bitcoin's appeal has **grown among institutions**, with companies integrating it into their **treasury strategies to hedge against inflation** and diversify their assets.

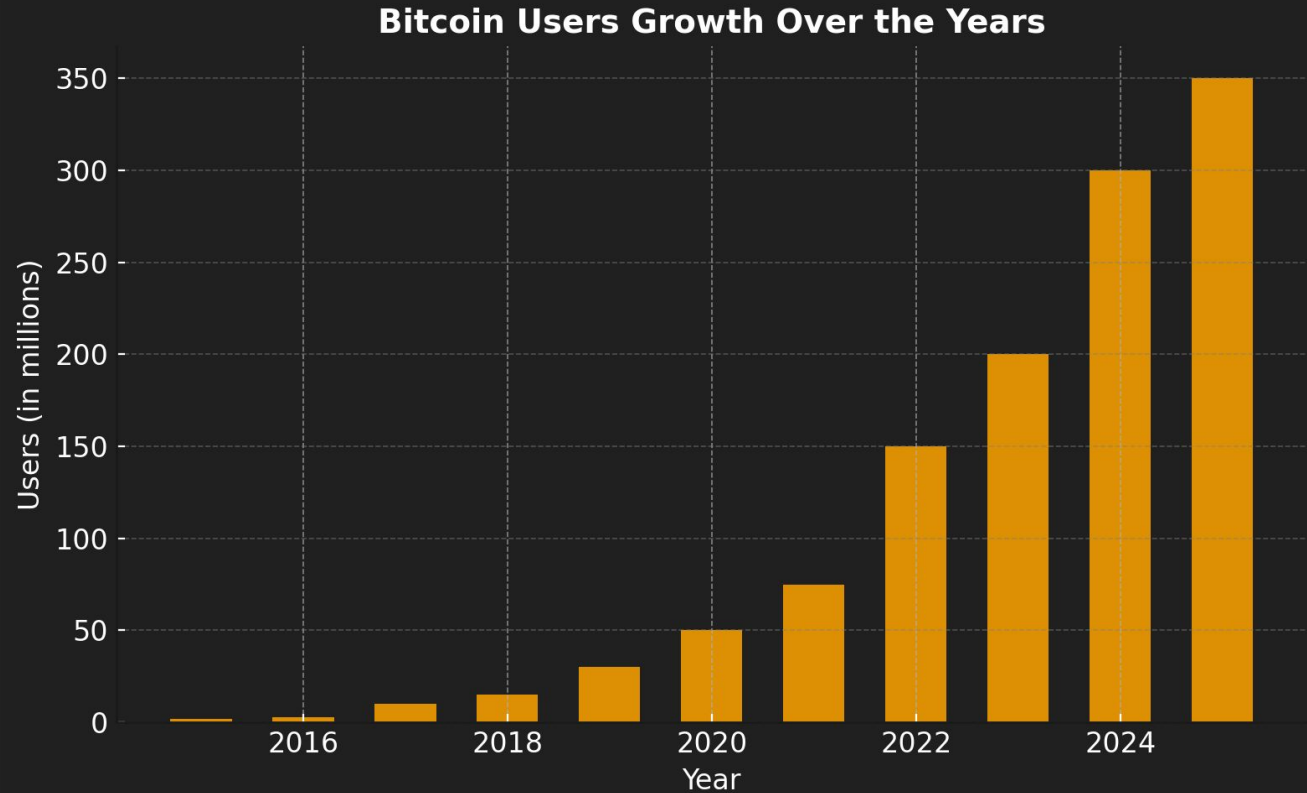
Companies, Banks, Countries are urging **the need to create a bitcoin reserve**, as rumours starts appearing in late December 2024.

The scores (0–10) represent a qualitative comparison between Bitcoin and fiat currencies across three critical dimensions: Inflation Resistance, Censorship Resistance, and Decentralization.

- Bitcoin is unparalleled in inflation resistance because its supply is capped. Fiat currencies lose value over time due to inflation.
- In countries with authoritarian governments, Bitcoin empowers citizens by ensuring their money can't be frozen.
- While fiat currencies work well in stable economies, their centralization makes them vulnerable to misuse.



- Large companies like **Tesla**, **MicroStrategy**, and financial firms like **BlackRock** and **Fidelity** have **invested in Bitcoin**, increasing its legitimacy as a **financial asset**.
- Bitcoin is **becoming more accessible** through user-friendly apps like **Cash App**, **Strike**, and platforms like **Binance** and **Coinbase**, which allow easy Bitcoin purchases.
- Countries are starting to **create clearer regulations** around Bitcoin, which reduces uncertainty and **encourages investment**.



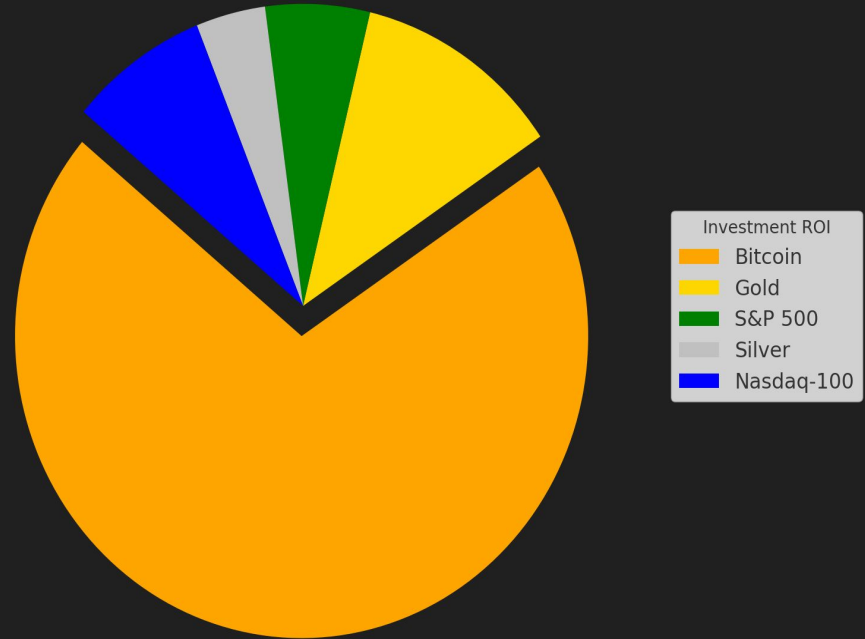
What is ROI?

Return on Investment (ROI) measures the **profitability of an investment** relative to its initial cost.

ROI is a **key metric** used to evaluate the profitability of an investment. It answers the fundamental question:

"How much did I earn compared to what I invested?"

Proportional ROI Contribution of Major Investments (2011-2021)



EXCHANGE TRADED FUNDS

Bitcoin ETFs and Institutional Adoption

Bitcoin Exchange-Traded Funds (ETFs) are financial products that make it easier for institutional and retail investors to gain exposure to Bitcoin without directly owning it.

Potential Impact

Bitcoin ETFs are not just a financial product, they represent a major step toward Bitcoin's integration into mainstream finance. The involvement of **BlackRock** and **Fidelity**, two of the **world's largest and most respected financial institutions**.

Legitimacy of Bitcoin

ETFs provide a **regulated, secure**, and **accessible** way for institutional and **retail investors to invest in Bitcoin**.

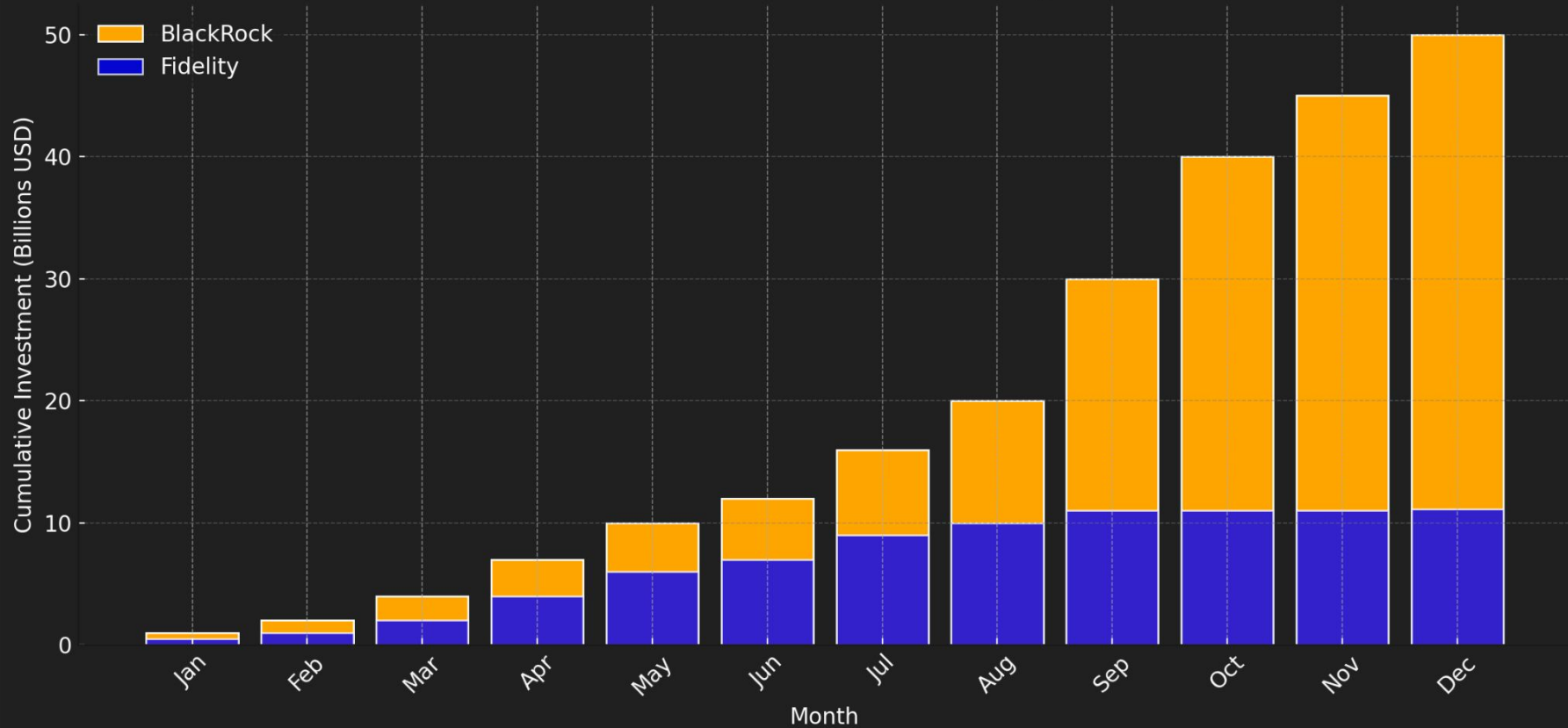
Massive Inflows

Bitcoin ETFs have already **attracted billions in investments**, with BlackRock alone managing **\$50 billion in Bitcoin ETFs by 2024**. Fidelity follows with **\$11.1 billion**.

Accessibility

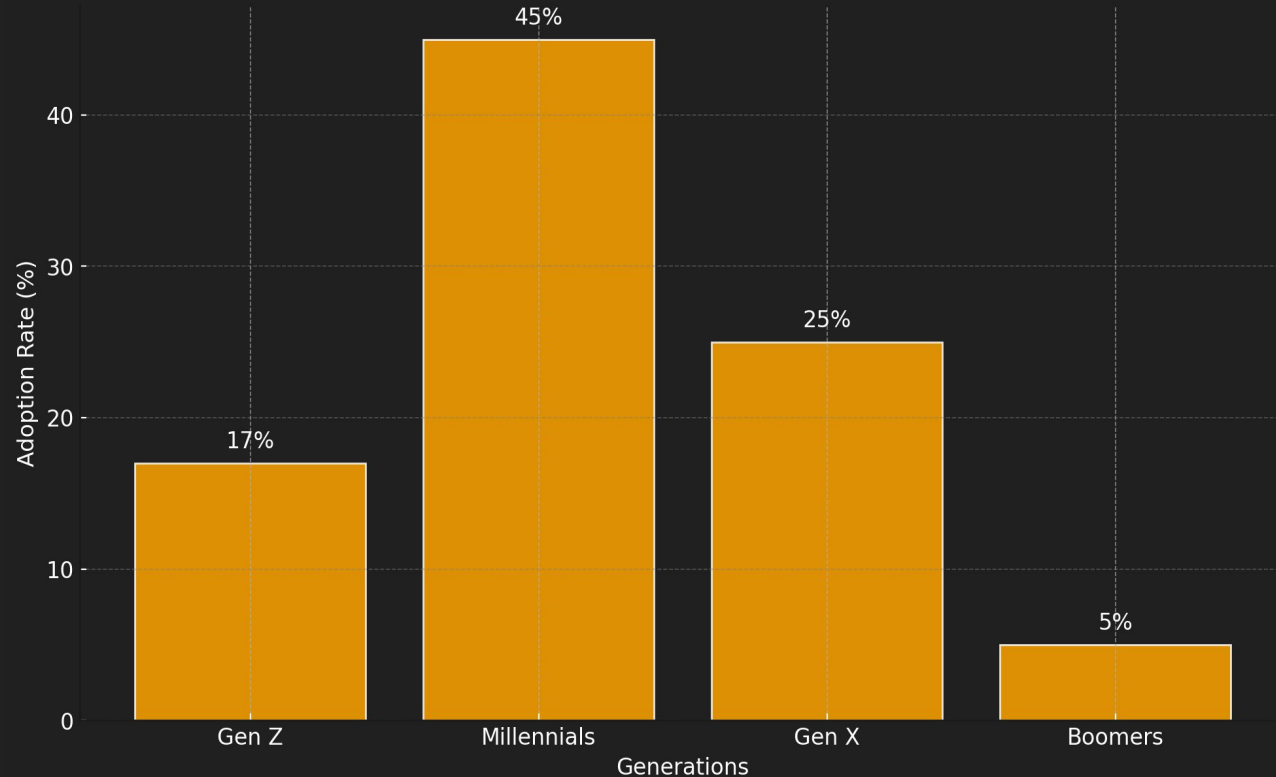
ETFs **simplify Bitcoin investments** for individuals and institutions by **eliminating the complexities** of custody, wallets, and security.

2024 Bitcoin ETF Investments: Monthly Breakdown



Generational and Institutional Shift

- As younger generations become the primary wealth holders, Bitcoin adoption will grow exponentially.
- By 2030, Millennials and Gen Z could control up to 80% of the Bitcoin market, making it a cornerstone of future investment portfolios.



FUTURE FOR BITCOIN

Global Adoption

Bitcoin is on the path to becoming a global reserve asset, with nations and institutions alike embracing its potential to decentralize finance.

Institutional Growth

With institutions like BlackRock and Fidelity investing billions, Bitcoin is solidifying its role in traditional and modern financial portfolios.

Financial Sovereignty

Bitcoin empowers individuals with true financial freedom, eliminating reliance on centralized institutions.

Technological Evolution

Advancements like the Lightning Network are transforming Bitcoin into a scalable and accessible currency for everyday transactions.

Generational Shift

As Millennials and Gen Z inherit global wealth, Bitcoin adoption is expected to accelerate, shaping the future of finance for decades.

Hedge Against Uncertainty

In an era of rising inflation and economic instability, Bitcoin serves as a safe haven, offering security through decentralization.

Bitcoin is not just the future of finance—it's the future of freedom, empowering individuals, institutions, and nations.

THANK YOU

All researches, data and graphics were created by me and only.