Could Bitcoin really go up 3-5x from here?

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WisdomTree
Contributor

Bitcoin is a hot topic! We had the pleasure of discussing the investment thesis for bitcoin on our *Behind the Markets* podcast with Ari Paul, the co-founder of Blocktower Capital, a crypto asset focused asset management firm.

Prior to entering crypto, Paul worked as an options and commodity trader at Susquehanna and then as a portfolio manager at the University of Chicago Endowment. The endowment looked for new markets in which professionals still were largely absent. When he entered the crypto in 2017, Paul says that was the case. He would even argue today the 'investment professionals' are still not meaningfully involved.

Paul sees tremendous risk in crypto assets, yet he sees these risks as an idiosyncratic, uncorrelated risk that diversifies a portfolio and provides alpha potential.

Have endowments allocated yet? Paul believes 2 of the 10 largest endowments in the US have direct holdings and 2-3 have invested into crypto funds.Paul hasn't pitched endowments because he thinks it is such a fast moving space and endowments will take a long time to come around. This could be a further catalyst of new demand for crypto assets.

History of economic and technology cycles: Paul draws parallels from the railroads in the 1800s, early computers in the 1960s to the internet in the 1990s and how adoption trends follow similar patterns. There is a cycle known as the Gartner Hype Cycle in which everyone views technology as world-changing, but get the speed of adoption wrong.

In 1999, everyone thought everything would be bought over the internet and all our interactions would occur online; this was correct but it would take 20 years (and a pandemic) for this view to become reality. There was no infrastructure in '99. We were all on dial-up modems, while less than 2% of the world had internet access and online credit card payments were difficult and not trusted.

Paul offers an analogy: email came out in 1972. It took 20-years before the world wide web's release and another 20 years before real scale came to both.

Bitcoin was launched in 2009 and is like email. Ethereum is like the world wide web - it came 5 years after Bitcoin but it took about 3-years before real transaction volume occurred there.

But in the last 18 months, decentralized finance (DeFi) is taking off. Uniswap, a 'decentralized exchange,' does $1 billion in transactions daily. There is also a budding art market referred to as NFTs (non-fungible tokens) and one standout is Top Shot, an official NBA collectable market (which did $30 million of transactions in first two months).

Paul thinks DeFi will do insanely well over the next few years, but then there will be a rude awakening for how long it will take for certain elements to play out, leading to a large drop in DeFi asset prices.

Bitcoin as medium of exchange? We also discussed use cases for bitcoin. Bitcoin is both a protocol/ledger (Bitcoin) and the currency unit of that ledger (bitcoins). Bitcoin and other blockchains operate 24/7/365, while the traditional transaction market for US dollars is closed more than ½ time on nights and weekends or holidays-although Venmo and PayPal are helping there for small payments.

While the Bitcoin protocol can be slow, bitcoin used on other networks like Ethereum or the Lightning network function like PayPal sitting on top of US dollars. The Lighting network can handle many more transactions at much lower fees. The technical challenges for using bitcoin as form of payment seem solvable, but bitcoin still does not function as a great medium of exchange, at least for items priced in US dollars, given the volatility of bitcoin. It's hard to buy a Tesla Model S with bitcoin if Tesla raises the price by 20% if bitcoin falls 20% against US Dollars the night before.

Bitcoin as a store of value? US residents are fortunate the US dollar is relatively stable. While bitcoin can certainly add value to US investors as a store of value against a depreciating currency (like gold), the bar is higher against the dollar. But for Venezuelans, Nigerians or markets with hyperinflation and dramatic losses in purchasing power of their currencies, bitcoin could function as wealth protector.

Valuing bitcoin and other cryptoassets: Paul thinks bitcoin has a $100 trillion addressable market just as a store of value for everyone in the world. Half the world's population desire an asset that cannot be easily confiscated or depreciated by printing more currency.

To value bitcoin, apply a probability of it reaching your estimate of an addressable market and then apply a discount rate for how long it will take to get there. Paul thinks this is why bitcoin is like a series C venture capital investment[1] – fraught with failure risk, but big payoffs potentially.

How high can bitcoin go?While it is up significantly from the lows, we are currently around 2.5x 2017 highs. In prior market cycles, bitcoin hit 9-10x prior peak or around 160-170,000.

We could easily see gains of 3-5x from current levels, in Paul's view.

Paul also sees higher beta assets like Ethereum and 'alt-coins' performing significantly better and rising up to 5-15x higher in this cycle, but we note words of caution for these 'alt-coins' below.

Valuation models for bitcoin and other crypto assets have not been well-tested given the limited live history. While Paul makes a case for inclusion in portfolios, he also recognizes the risks. One topic that merits further discussion – how should investors think about allocating to bitcoin in portfolios given the risk-return profile?

Con Coins: Paul is a sceptic on crypto indices at the present. While bitcoin and ethereum are well-known assets, many of the 'alt-coins' are highly speculative and some are even scams. Paul recommends significant due diligence on any crypto asset other than bitcoin. This is a statement we would echo.

This was a fascinating conversation. We'll be coming back to bitcoin on the podcast and our blog - including a bull/bear debate on bitcoin in two weeks. Please listen to this full conversation below.

[1] Series C financing (also known as series C round or series C funding) is one of the stages in the capital-raising process by a startup. The series C round is the fourth stage of startup financing, and typically the last stage of venture capital financing.

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