

	Owners	Activity	Risk-Rewards
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## BITCOIN'S ECONOMY

**Abstract:** I made this dataset collecting information about bitcoin from 2014 to 2022 from coinmetrics.io. In 2017, bitcoin attracted great public attention during the bull-run, but the public's interest quickly faded out after. Many doubted it was the end for bitcoin. However, bitcoin is still thriving in 2022. Using this data, I would like to present how the current situation of bitcoin differs from 2017 in terms of bitcoin's owners, bitcoin's activity, and its pay-offs.

### Variables:

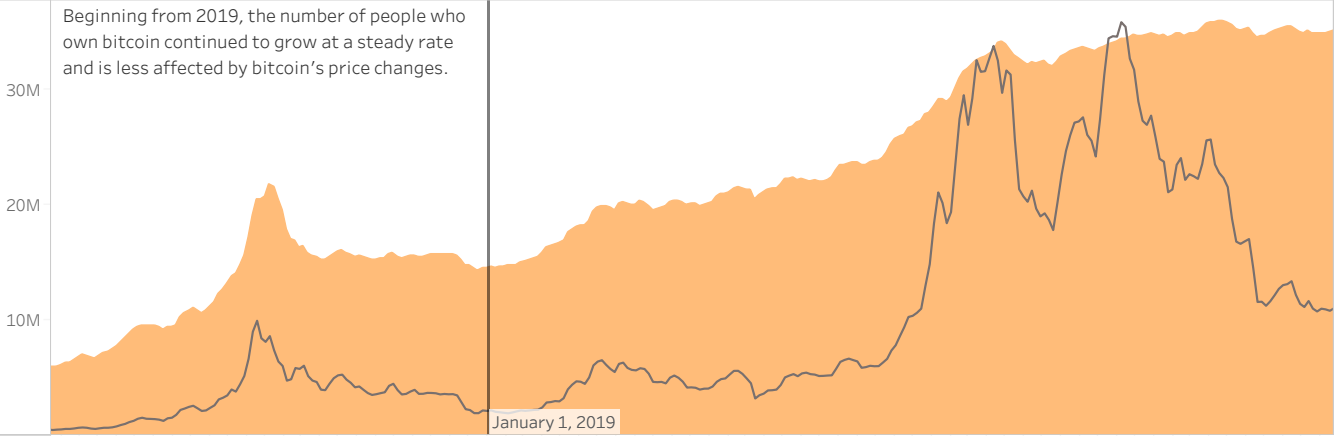
- USD denominated closing price: the closing price of bitcoin (USD)
- 30 day volatility: short-term volatility
- 180 day volatility: long-term volatility
- ROI, 1 year (%): The return on investment for the asset assuming a purchase 12 months prior.
- Total issuances (bitcoin): The sum of all new native units issued that interval.
- Addr Cnt of Bal >= 1\$: The sum count of unique addresses holding at least 1 dollar worth of bitcoin
- Addr Cnt of Bal >= 1k: The sum count of unique addresses holding at least 1000 bitcoin
- Addr Cnt of Bal >= 10k: The sum count of unique addresses holding at least 10,000 bitcoin
- Mean Hash rate, 30 days: the speed at which computations are being completed across all miners in the network
- Market cap: Market capitalization of bitcoin in USD
- BTC / Active Addr Cnt: Number of addresses that either sent or received bitcoin
- 10 Year Active Supply (bitcoin): The sum of unique native units that transacted at least once in the trailing - 10 years up to the end of that interval.

### Findings:

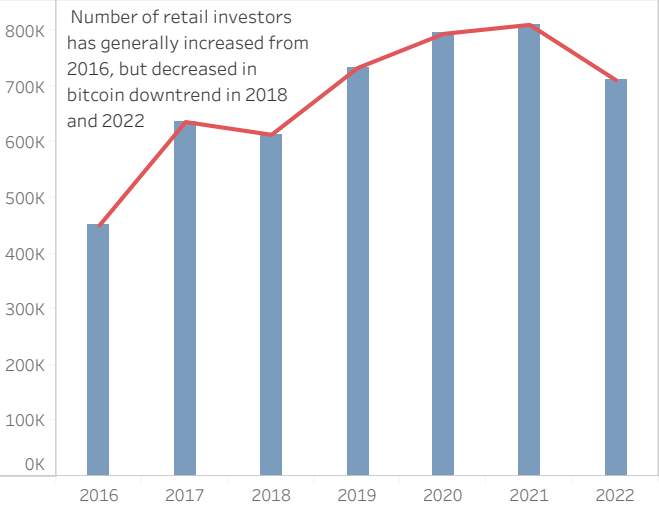
Since 2017, Bitcoin's economy has a steady increase of owners and activity. Compared to 2017, the bull-run and bear market of bitcoin in 2020-2022 is less volatile but less rewarding in the short-term.

	Owners	Activity	Risk-Rewards
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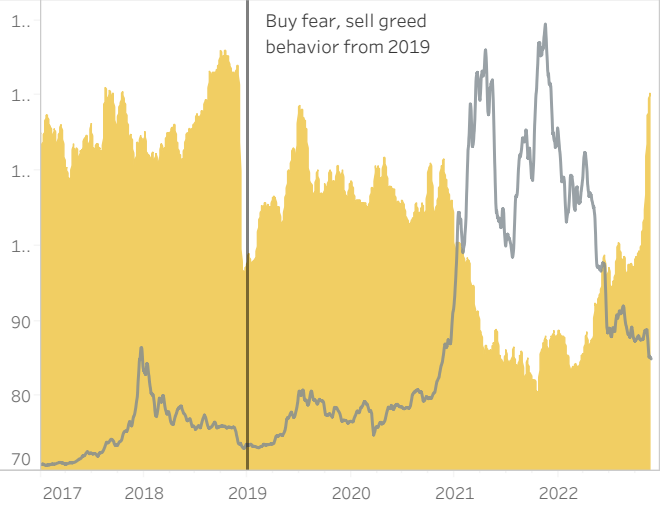
# Bitcoin owners



## Retail investors (at least 1000 bitcoins)

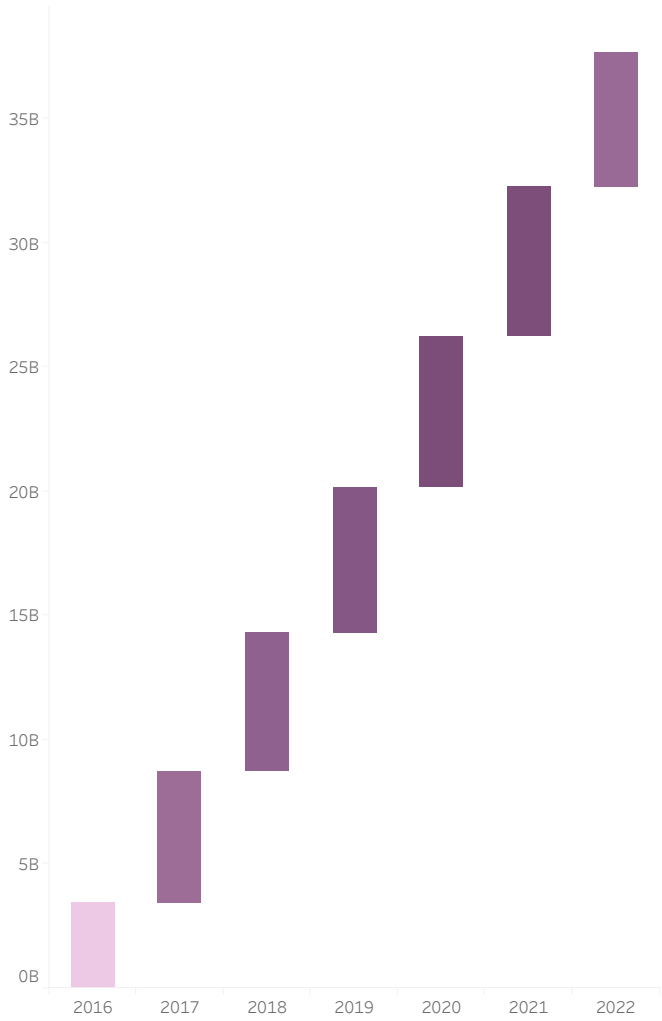


## Institutional investors (at least 10000 bitcoins)

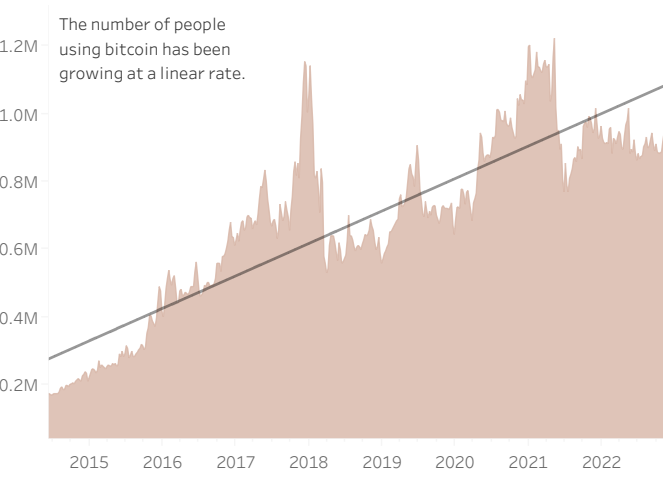


	Owners	Activity	Risk-Rewards
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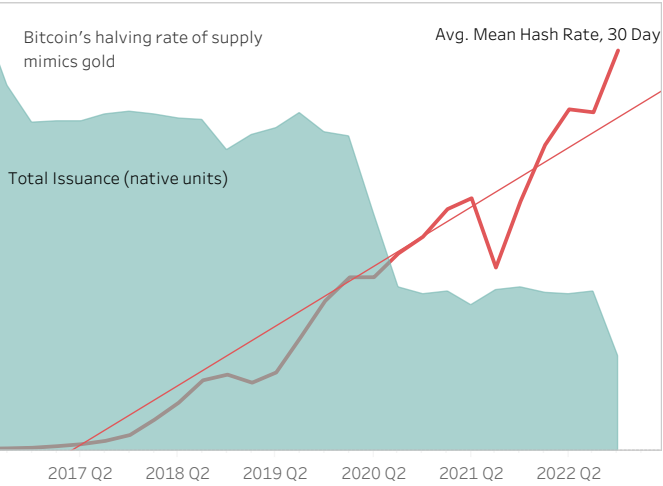
Running total number of active supply



Number of active bitcoin addresses

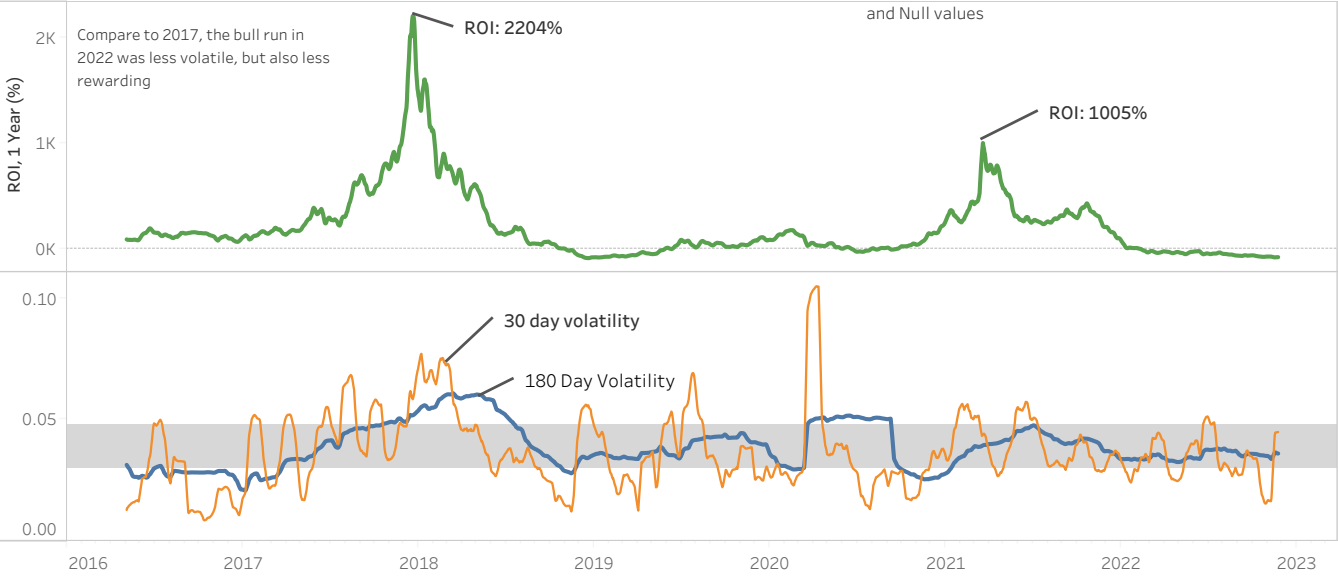


Supply Rate and Mining Rate

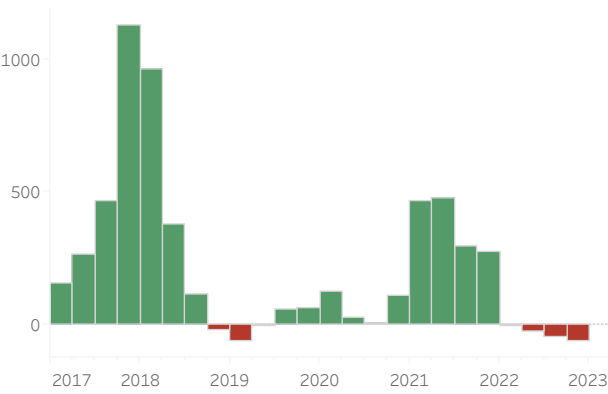


Daily Risk and Rewards

Time  
2/13/2014 to 11/22/2022  
and Null values



Quarterly Avg. ROI, 1 Year (%)



Quarterly short-term volatile

	2016	2017	2018	2019	2020	2021	2022
Q1		0.03646	0.06591	0.02960	0.04097	0.04736	0.03444
Q2	0.02481	0.03892	0.03850	0.03749	0.04699	0.04211	0.03535
Q3	0.02960	0.05049	0.03227	0.04440	0.02382	0.03603	0.03398
Q4	0.01514	0.04938	0.03199	0.03123	0.02735	0.03496	0.02715