Bitcoin Market Makers

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https://smortezavi.github.io/Visualization_Project/

Overview

Bitcoin is a hot topic these days

Some have argued that it's all speculative (no actual substance behind the increase in value)

Traditionally currency markets are also considered speculative

Does Bitcoin trade like the currency markets or is it more correlated with other parts of the market?

DOW - Market Indicator

GOLD - Commodities Indicator

EUR - Currency Comparison

Date	Open	High	Low	Close	Volume_(BTC)	Volume_(Currency)	Weighted_Price
2014-11-30 21:33:00	300.0	300.0	300.0	300.0	0.01	3.0	300.0
2014-11-30 21:34:00	300.0	300.0	300.0	300.0	0.01	3.0	300.0
2014-11-30 21:35:00	300.0	300.0	300.0	300.0	0.01	3.0	300.0
2014-11-30 21:36:00	300.0	300.0	300.0	300.0	0.01	3.0	300.0
2014-11-30 21:37:00	300.0	300.0	300.0	300.0	0.01	3.0	300.0

Date	dow_price	dow_open	dow_high	dow_low	dow_vol	dow_change	eur_price	eur_open	eur_high	eur_low	eur_change	gold_price	gold_open	gold_high	gold_low
2018-03-26	24,202.60	23,825.74	24,232.30	23,741.22	479.54M	2.84%	1.2443	1.2348	1.2462	1.2340	0.72%	1,360.90	1,350.60	1,361.80	1,349.20
2018-03-23	23,533.20	23,995.18	24,108.47	23,509.06	482.55M	-1.77%	1.2353	1.2302	1.2375	1.2301	0.41%	1,355.70	1,335.50	1,356.30	1,334.70
2018-03-22	23,957.89	24,526.01	24,526.01	23,938.74	439.28M	-2.93%	1.2302	1.2338	1.2389	1.2285	-0.29%	1,333.20	1,338.00	1,340.80	1,330.30
2018-03-21	24,682.31	24,723.49	24,977.65	24,655.40	343.23M	-0.18%	1.2338	1.2242	1.2351	1.2241	0.78%	1,327.30	1,317.00	1,342.60	1,315.50
2018-03-20	24,727.27	24,650.64	24,803.61	24,650.64	342.51M	0.47%	1.2242	1.2335	1.2356	1.2239	-0.75%	1,317.60	1,322.40	1,323.70	1,312.40
2018-03-19	24,610.91	24,893.69	24,893.69	24,453.14	377.99M	-1.35%	1.2335	1.2284	1.2361	1.2258	0.44%	1,323.40	1,319.50	1,325.20	1,313.10

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Takeaways

Bitcoin over the last three years is more correlated with DJIA than Gold or Euro

However it shares very little correlation with the volume of DJIA trades

Bitcoin has been the most volatile over the last 3 years, followed by gold