

Bitcoin Analysis

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February 22, 2022

1 Introduction

This document contains my analysis of the BTC_USDT pair, looking to answer various interesting questions.

2 The Data

The data comes from the poloniex chart data api and gives us candlestick data for the BTC_USDT pair, starting from the 1st Jan 2021.

<https://docs.poloniex.com/returnchartdata>

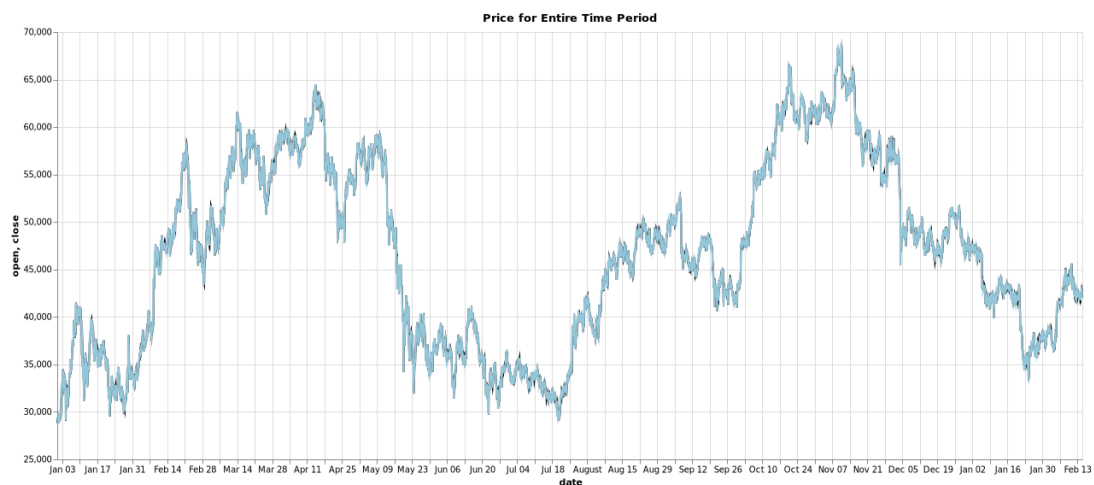


Figure 1: Price movement since Jan 1st

3 Volume and Volatility

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

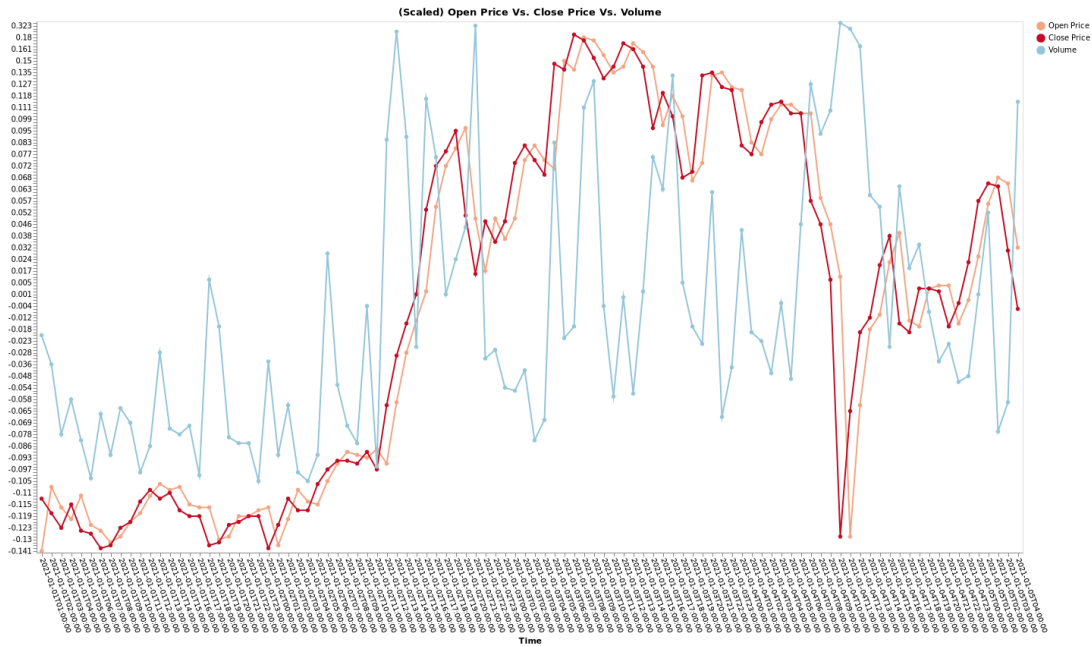


Figure 2: (Scaled) Open Price and Close Price Vs. Volume

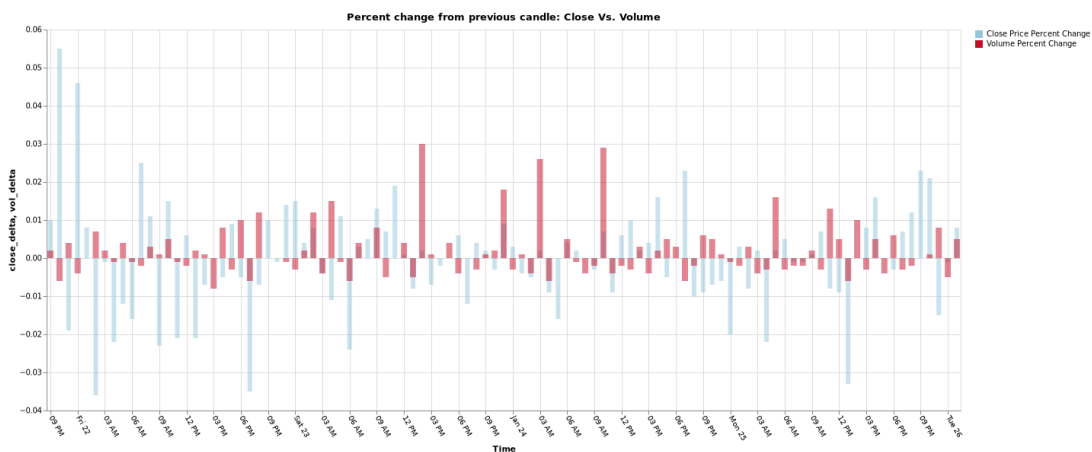


Figure 3:

Conclusion: Volume above a certain threshold indicates a negative price change.

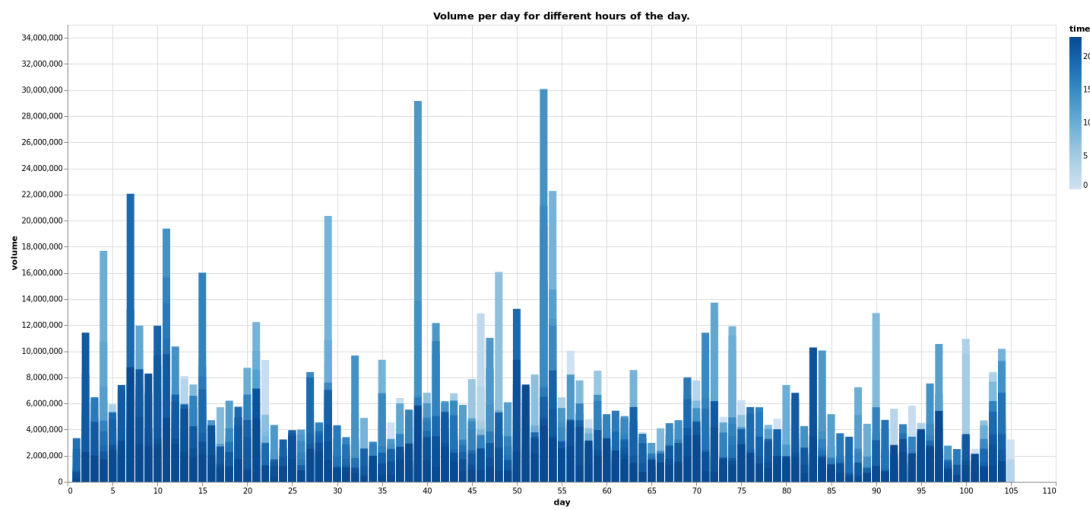


Figure 4: Volume per day for different hours of the day

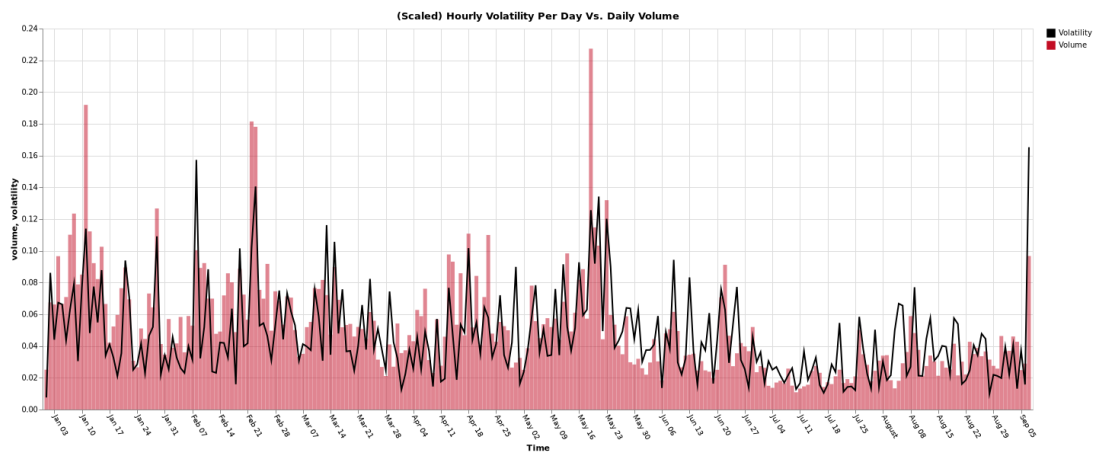


Figure 5: (Scaled) Hourly Volatility Per Day Vs. Daily Volume

Conclusion: Volume and volatility are very positively correlated (as expected).

4 Sentiment

TODO: Add twitter sentiment analysis work