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TECHNICAL ANALYSIS OF CRYPTOCURRENCIES

PROGRESS SUMMARY

- Officially completed and documented all technical analysis methods over last weekend
- Began my initial filtering of generally unhelpful methods, and also began starting popular combinations of methods that when read together are historically reliable
- Slow weekend due to health, but planning on doing a bulk of my final work this weekend as I've reserved lots of time to work on the project
- Approached 1000 lines of code (not including graph images) which is cool

TA BROAD CATEGORIES

Volume

- Money Flow Index (MFI)
- Accumulation/Distribution Index (ADI)
- On-Balance Volume (OBV)
- Chaikin Money Flow (CMF)
- Force Index (FI)
- Ease of Movement (EoM, EMV)
- Volume-price Trend (VPT)
- Negative Volume Index (NVI)
- Volume Weighted Average Price (VWAP)

Volatility

- Average True Range (ATR)
- Bollinger Bands (BB)
- Keltner Channel (KC)
- Donchian Channel (DC)
- Ulcer Index (UI)

Trend

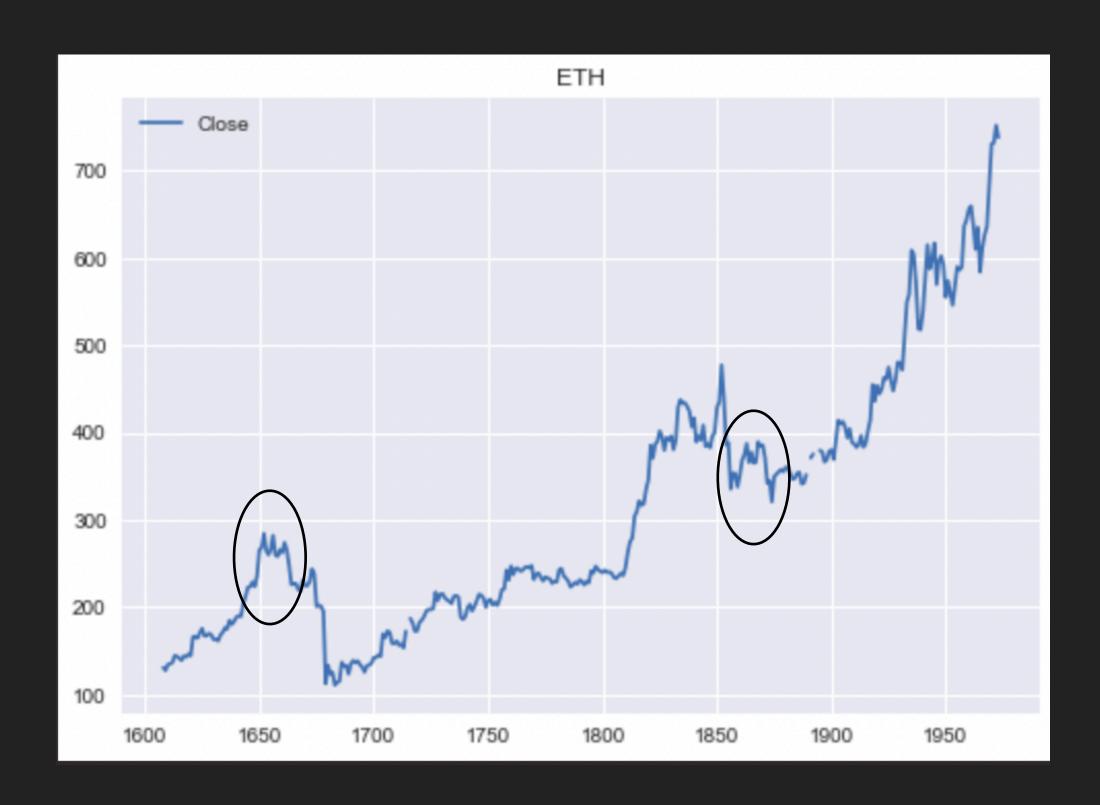
- Simple Moving Average (SMA)
- Exponential Moving Average (EMA)
- Weighted Moving Average (WMA)
- Moving Average Convergence Divergence (MACD)
- Average Directional Movement Index (ADX)
- Vortex Indicator (VI)
- Trix (TRIX)
- Mass Index (MI)
- Commodity Channel Index (CCI)
- Detrended Price Oscillator (DPO)
- KST Oscillator (KST)
- Ichimoku Kinkō Hyō (Ichimoku)
- Parabolic Stop And Reverse (Parabolic SAR)
- Schaff Trend Cycle (STC)

Momentum

- Relative Strength Index (RSI)
- Stochastic RSI (SRSI)
- True strength index (TSI)
- Ultimate Oscillator (UO)
- Stochastic Oscillator (SR)
- Williams %R (WR)
- Awesome Oscillator (AO)
- Kaufman's Adaptive Moving Average (KAMA)
- Rate of Change (ROC)
- Percentage Price Oscillator (PPO)
- Percentage Volume Oscillator (PVO)

TIMEFRAME

- Would appreciate suggestions on if this timeframe scheme seems solid. I definitely see that 12 months is too large and will result in lots of inconsistencies, and was planning on doing this period so as to encompass a large dip, a large spike, and a small dip.
- See the black circles, thinking of starting and ending at them



FUTURE PLANS

- Put in a lot of work this weekend in combining methods and generating graphs, would like to get most if not all of this done so I can spend the remaining time touching up and formatting
- Nothing else to update, roadmap from here seems hopefully clear. Might run into some difficulties with regards to actually displaying the data/deciding what I want to display, but will approach that when the time comes.
- hoping to use https://dash.plotly.com/introduction like you recommended