

# SCRAPY & CRYPTO

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# A BRAND NEW ASSET CLASS

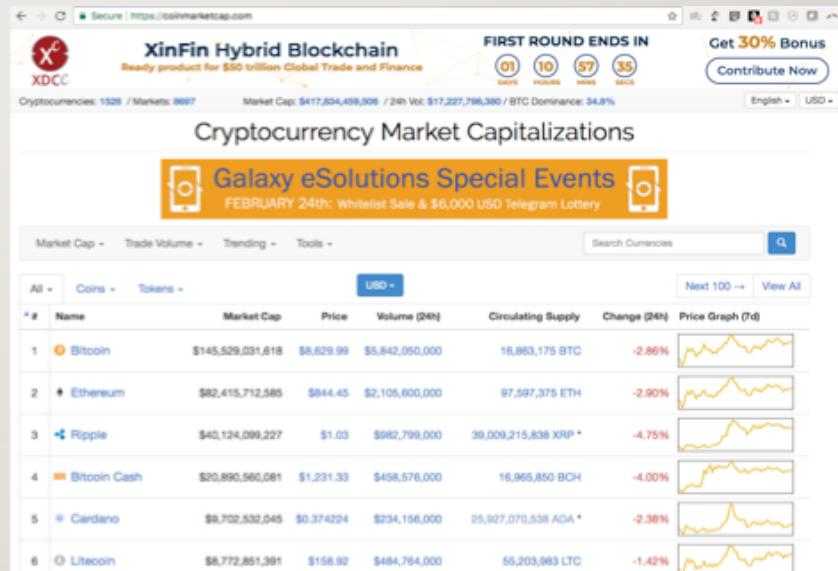
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- Unlike real estate, equities, and bonds, alternative investments are generally reserved for the ‘accredited investor class’ – high income or high net worth individuals
- Alternative investments include exotic structured products, or high risk venture capital, and are usually accessed through gatekeepers (financial intermediaries) – usually due to their complexity
- Cryptocurrencies have emerged outside the traditional financial system, and delivered significant returns
- Financial institutions are now in catch up mode to understand this new asset class and the implications it has for the economy as a whole.



# THE DATASET: A DAILY RECORD OF CRYPTO STATISTICS

- [www.coinmarketcap.com](https://coinmarketcap.com)
- Monitors the daily pricing and volume of all publicly traded Cryptocoins
- More than just bitcoin or ethereum
- There are over 1300 different coins currently being traded
- New ones regularly being added
- Using Scrapy, the ‘crypto\_spider’ will crawl over this website and pull out the market details for all coins currently in existence and investable



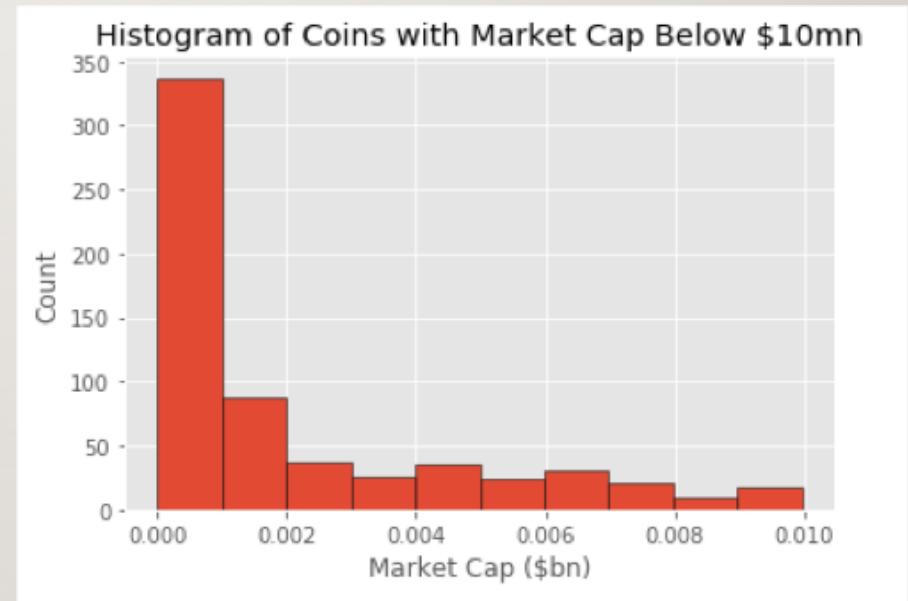
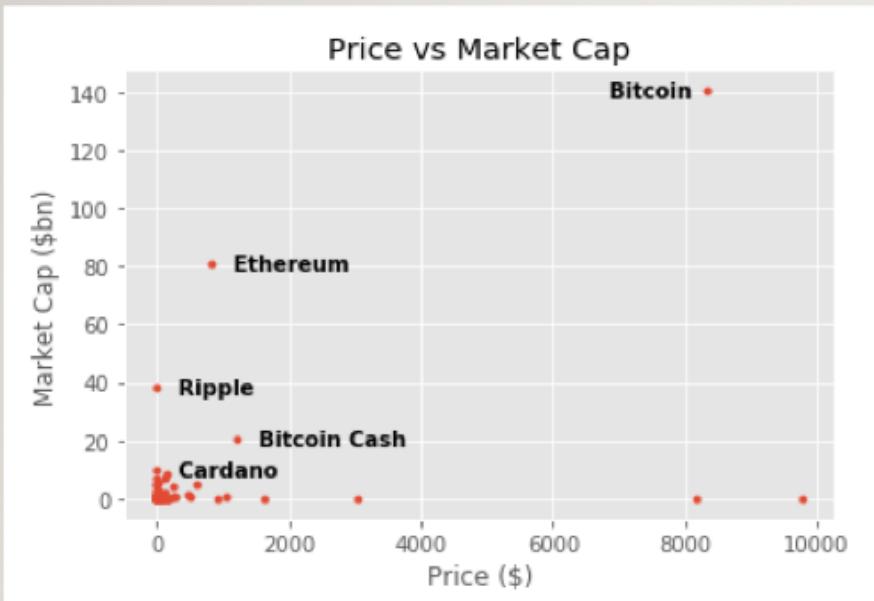
## OUR GOAL: A MARKET SNAPSHOT

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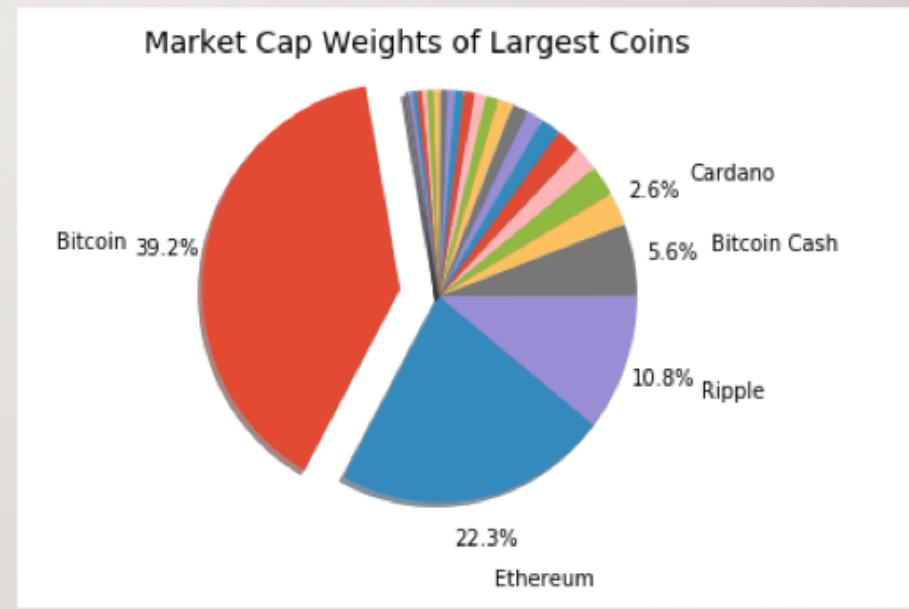
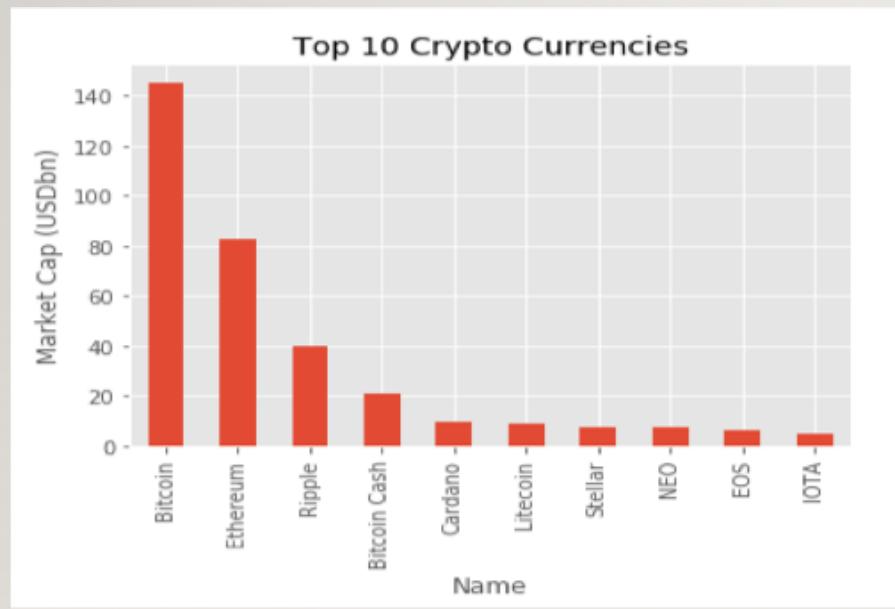
- With so many coins already in existence, and each with a unique white paper explaining how they work - how do we know which to focus on?
- Can we compartmentalize the market? How do the coins compare?
- Having decided on which coins to follow, what metrics should we be monitoring?
- What are our next steps?



- Munge data for formatting
- Remove coins with 0 traded volume or 0 market capitalization – this suggests these coins are not easily tradeable
- We notice a skew on our scatter plot
- The vast majority of our coins have small market caps
- An institution would determine these to be much too small to trade without affecting price



- We set our minimum market cap at \$1bn
- Then look at the largest coins being priced in the market, notice the skew
- There should be enough liquidity to trade these
- Bitcoin, Ethereum, and Ripple stand out as the largest coins of the >\$1bn dataset
- This makes sense as these coins are the most mentioned in the press
- What is cardano?



# MONITOR AND FOCUS

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- We will want to monitor and track the performance of our most liquid currencies (\$1bn)
- **Given more time** we would compare against historical performance and calculate cumulative performance, possibly justifying coverage of coins not clearly highlighted by our methodology

