

Crypto market data

Exploratory analysis

FIE458 | Group 1

Overview of the dataset

Columns: 13

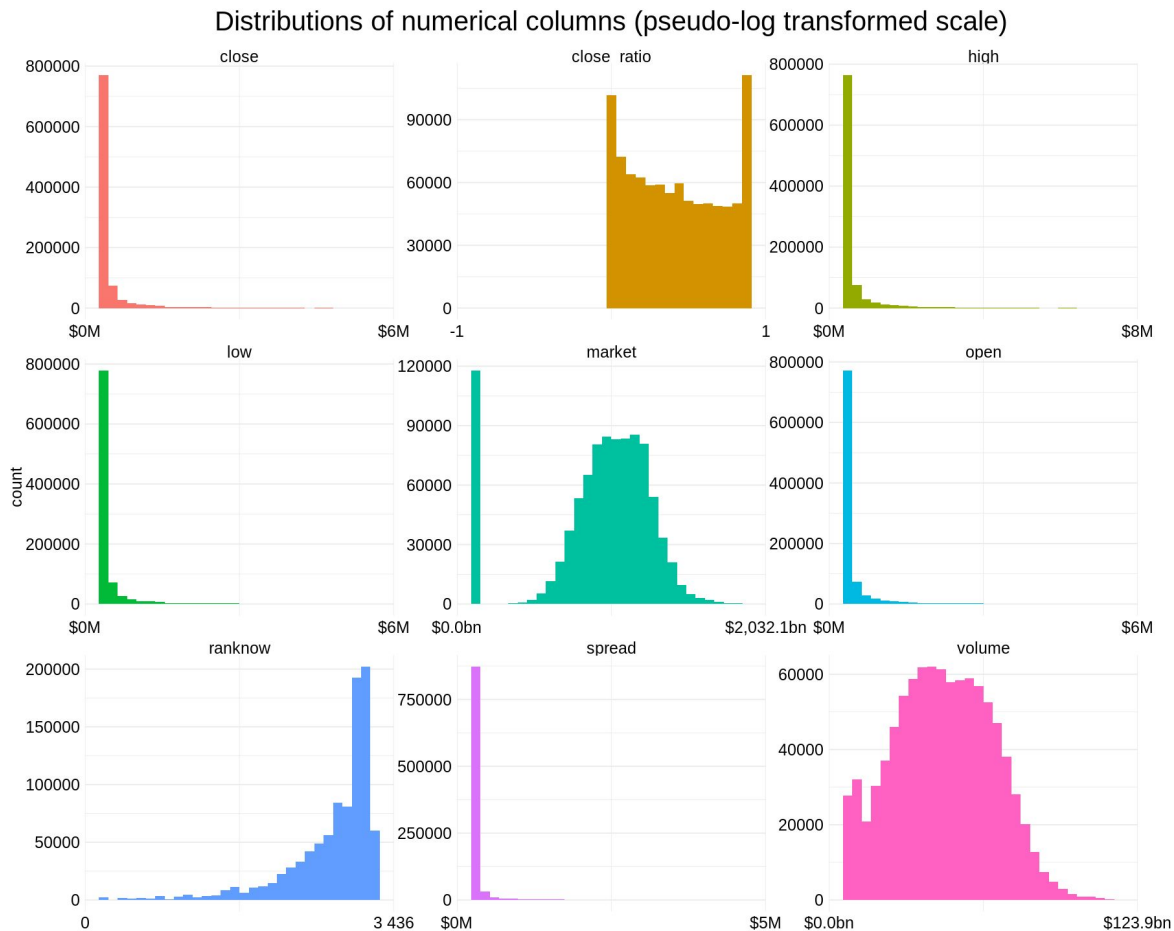
Observations: 942,297

Unique coins: 2,071 with an average of 455 data points

Time window: 2013-04-28 to 2018-11-30

slug	symbol	name	date	ranknow	open	high	low	close	volume	market	close_ratio	spread
<chr>	<chr>	<chr>	<date>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>	<dbl>
bitcoin	BTC	Bitcoin	2013-04-28	1	135.30	135.98	132.10	134.21	0	1488566728	0.5438	3.88
bitcoin	BTC	Bitcoin	2013-04-29	1	134.44	147.49	134.00	144.54	0	1603768865	0.7813	13.49
bitcoin	BTC	Bitcoin	2013-04-30	1	144.00	146.93	134.05	139.00	0	1542813125	0.3843	12.88
bitcoin	BTC	Bitcoin	2013-05-01	1	139.00	139.89	107.72	116.99	0	1298954594	0.2882	32.17
bitcoin	BTC	Bitcoin	2013-05-02	1	116.38	125.60	92.28	105.21	0	1168517495	0.3881	33.32
bitcoin	BTC	Bitcoin	2013-05-03	1	106.25	108.13	79.10	97.75	0	1085995169	0.6424	29.03

Distributions of numerical columns



Numerical columns

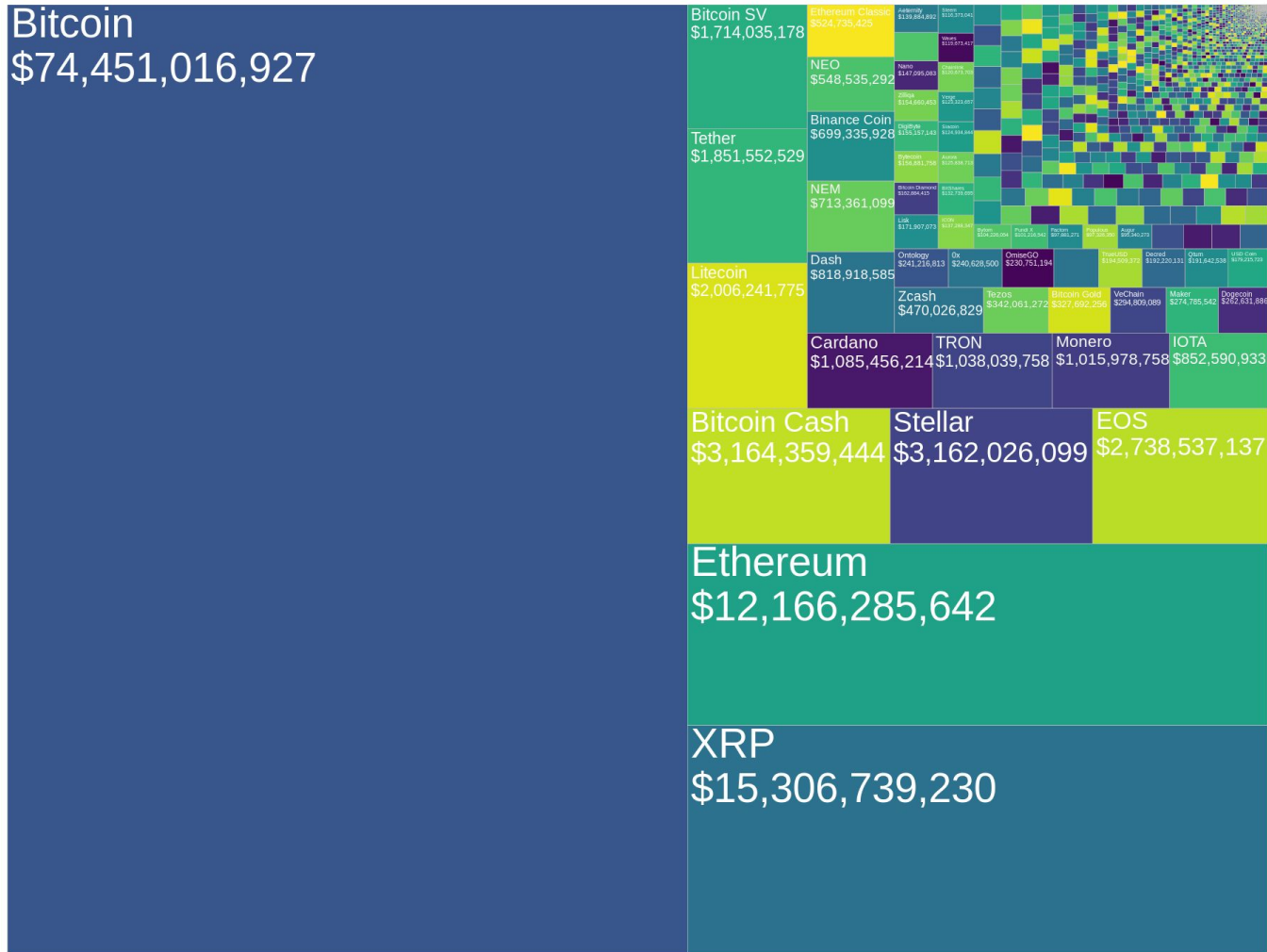
Distributions

stat	ranknow	open	high	low	close	volume	market	close_ratio	spread
<chr>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>	<chr>
min	1	0.0000000025	0.0000000032	0.00000000025	0.0000000002	0	0	-1	0
25th percentile	465	0.002321	0.002628	0.002044	0.002314	175	29581	0.1629	0
median	1072	0.023983	0.026802	0.021437	0.023892	4278	522796	0.4324	0
75th percentile	1484	0.22686	0.250894	0.204391	0.225934	119090	6874647	0.7458	0.03
max	2072	2298390	2926100	2030590	2300740	23840899072	326502485530	1	1770563

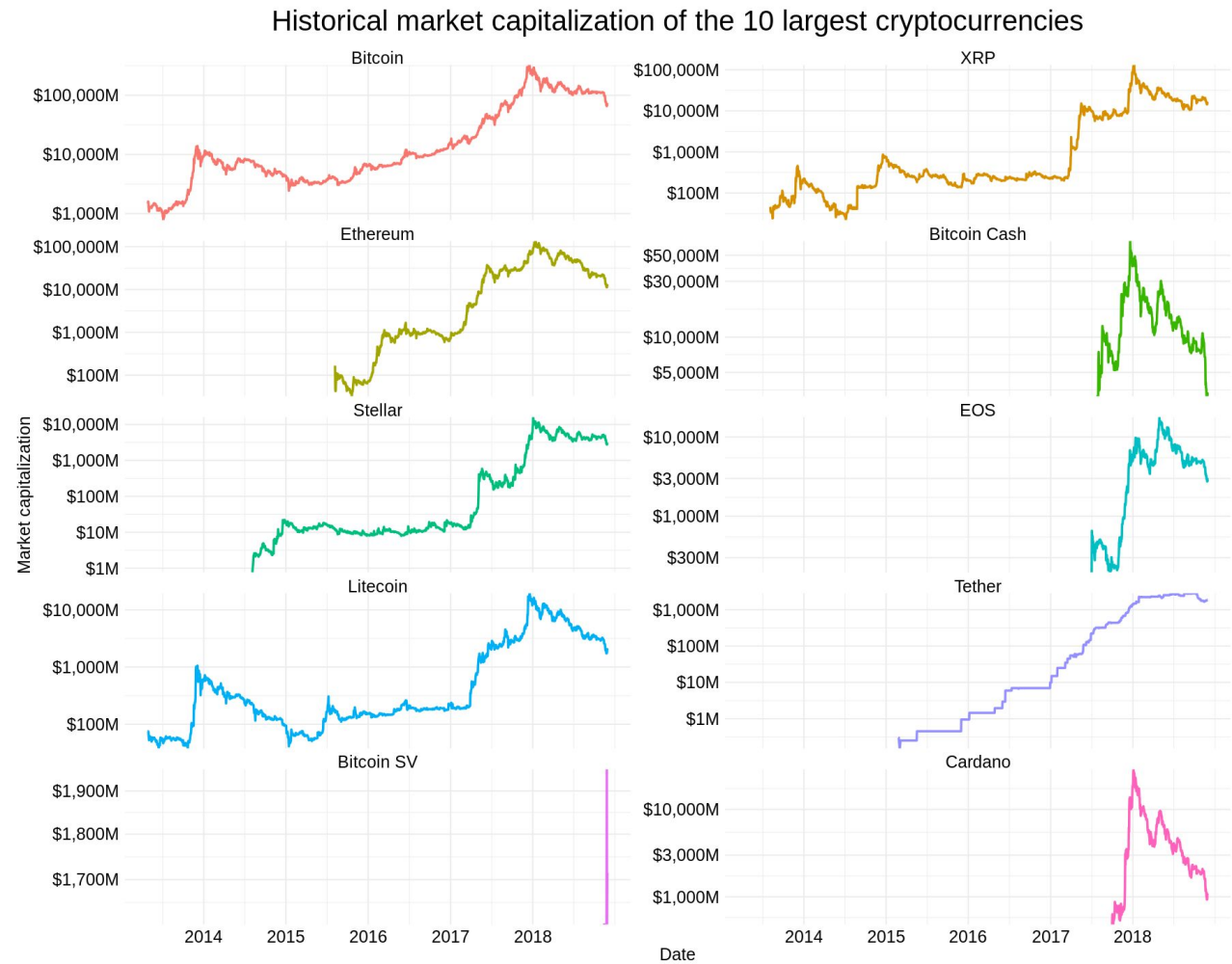
Zeros

open	high	low	close	volume	market	spread
<int>	<int>	<int>	<int>	<int>	<int>	<int>
0	0	0	0	27820	117697	502888

Market capitalization comparison

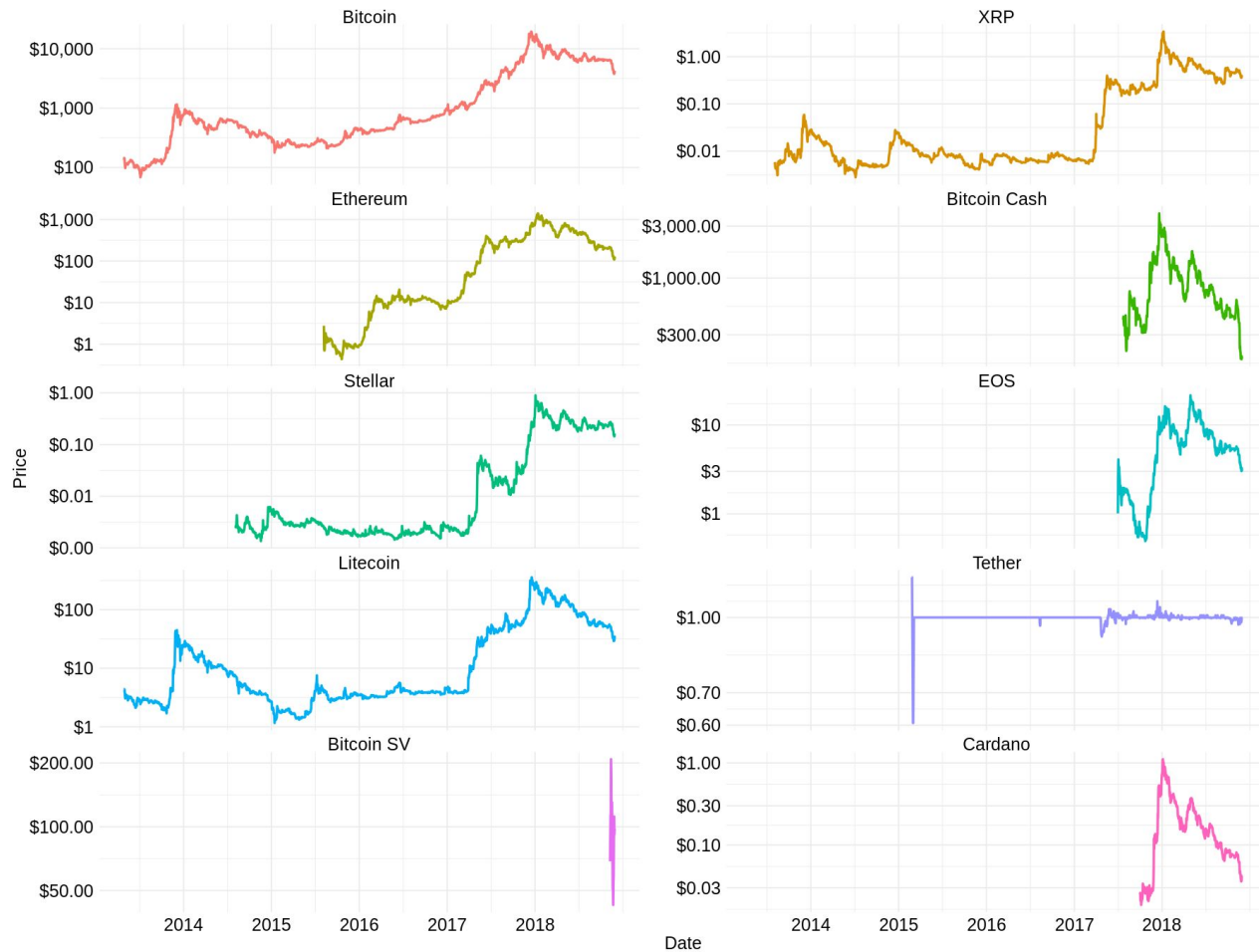


Market capitalizations over time



Prices

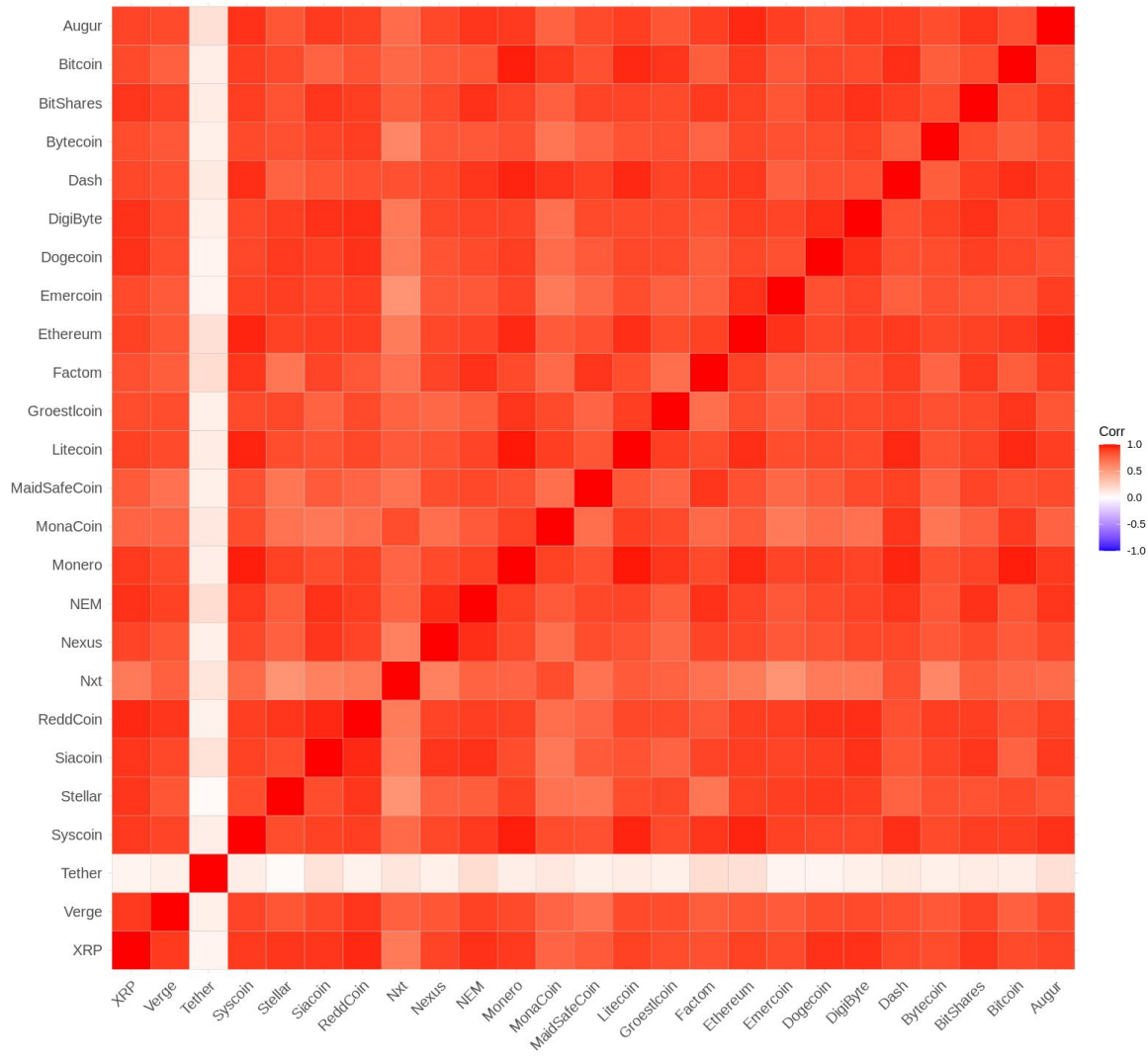
Historical prices of the 10 largest cryptocurrencies



Correlation

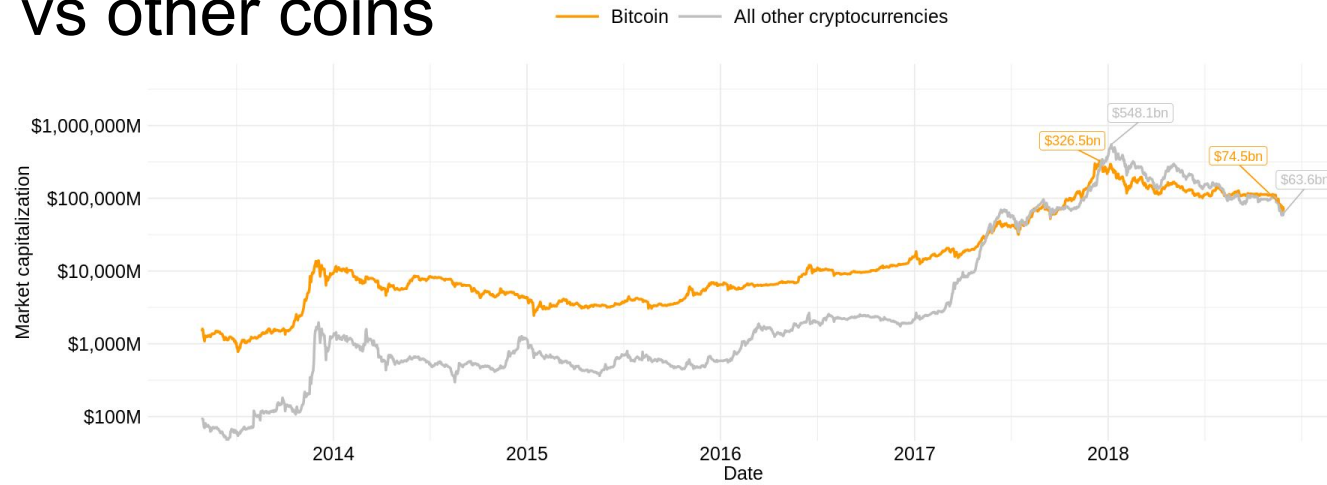
Average correlation
between all coins in dataset:

0.558



Bitcoin vs other coins

Historical market capitalization of...



Ratio of all other cryptocurrencies to Bitcoin

