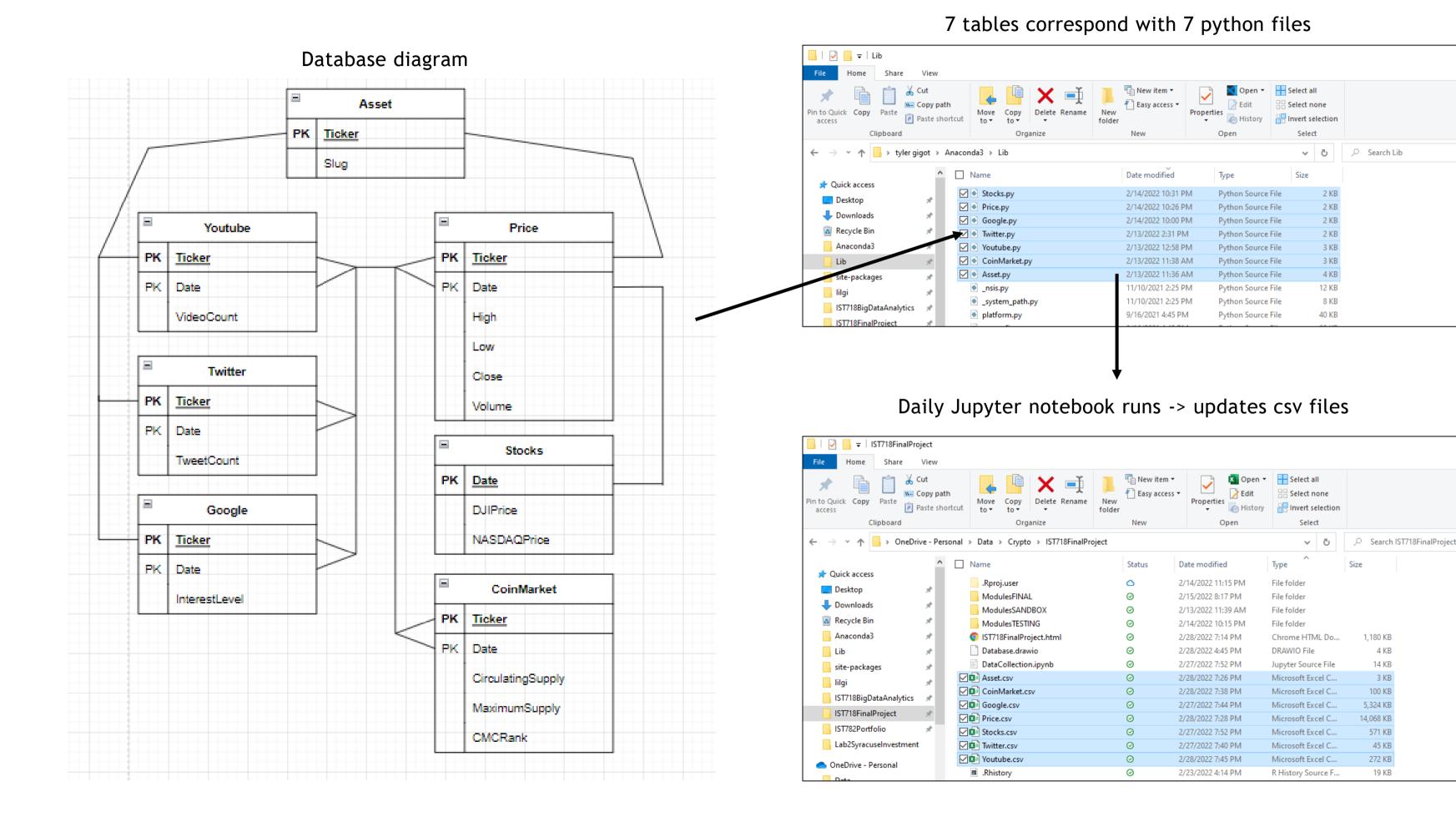
IST 718 Final Project Cryptocurrency Price Prediction

Data Collection



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Cryptocurrencies

158 cryptos on the Coinbase asset directory

As

Augur REP

Avalanche AVAX

Axie Infinity AXS

■ Badger DAO BADGER

Band Protocol BAND

BarnBridge BOND

Biconomy BICO

Bitcoin BTC

Bancor Network Token BNT

Basic Attention Token BAT

Aventus AVT

Balancer BAL

Asset Directory									
O-D	E-P								
⊗ Ox ZRX	Enjin Coin ENJ								
a 1inch 1INCH	Enzyme MLN								
Aave AAVE	■ EOS EOS								
Alchemix ALCX	Ethereum ETH								
Alchemy Pay ACH	Ethereum Classic ETC								
Adventure Gold AGLD	(1) Ethereum Name Service ENS								
A Algorand ALGO	Fetch.ai FET								
Amp AMP	Filecoin FIL								
Ampleforth Governance Token FORTH	Function X FX								
Ankr ANKR	Gala GALA								
API3 API3	@ Gitcoin GTC								
△ ARPA Chain ARPA	Gods Unchained GODS								
Assemble Protocol ASM	Goldfinch GFI								

Golem GNT

GYEN GYEN

Horizen ZEN

iExec RLC RLC

Immutable X IMX

Internet Computer ICP

Inverse Finance INV

■ Keep Network KEEP

IoTeX IOTX

Jasmy JASMY

IDEX IDEX

Harvest Finance FARM

P-	Z
D	PlayDapp PLA
	Pluton PLU
ବ୍ର	Polkadot DOT
P	Polkastarter POLS
9	Polygon MATIC
	Polymath POLY
3	Polyswarm NCT
0	Powerledger POWR
2	Propy PRO
-3 3	Quant QNT
园	Quantstamp QSP
9	QuickSwap QUICK
9	Radicle RAD
ø	Rai Reflex Index RAI
•	Rally RLY
0	Rari Governance Token RGT
m	Rarible RARI
0	Ren REN

Render Token RNDR

Ribbon Finance RBN

Shping Coin SHPING

Shapeshift FOX Token FOX

Request REQ

Shiba Inu SHIB

SKALE SKL

Metadata

With Calculated Fields

Field	Description	Table	Туре
Ticker	The cryptocurrency ticker	Asset	String
Date	The calendar date	Price	Date
High	The high price point of the day	Price	Numeric
Low	The low price point of the day	Price	Numeric
Close	The closing price of the day	Price	Numeric
Volume	The trading volume of the day	Price	Numeric
Open	The opening price of the day	Price	Numeric
CirculatingSupply	The circulating supply of the crypto	CoinMarket	Numeric
MaximumSupply	The max supply of the crypto	CoinMarket	Numeric
CMCRank	Coin market cap rank	CoinMarket	Numeric
VideoCount	The number of Youtube videos over the last 24 hours	Youtube	Numeric
TweetCount	The number of tweets over the last 24 hours	Twitter	Numeric
InterestLevel	The relative interest level according to Google Trends	Google	Numeric
DJIPrice	The closing price of the DJI for the day	Stocks	Numeric
NASDAQPrice	The closing price of the NASDAQ for the day	Stocks	Numeric
Slug	The cryptocurrency slug	Asset	String
MaxDate	The most recent date of price data	Calculated	Date
Year	The year date part of the date	Calculated	Numeric
Month	The month date part of the date	Calculated	Numeric
Week	The week date part of the date	Calculated	Numeric
DayOfWeek	The day of the week day part of the date	Calculated	Numeric
YearMonth	Concatenation of the year and month	Calculated	Numeric
YearWeek	Concatenation of the year and week	Calculated	Numeric
LastDayMonth	Indicates the date is the last day of the month	Calculated	Boolean
LastDayWeek	Indicates the date is the last day of the week	Calculated	Boolean

Finished Dataset

Ticker	Date	High	Low	Close	Volume	Open	CirculatingSupply	MaximumSupply	CMCRank	VideoCount	TweetCount InterestLeve	el [DJIPrice	NASDAQPrice Slug	MaxDate	Year	Month Week	DayOfWeek	YearMonth	YearWeek	LastDayMonth	n LastDayWeek
AAVE	2/20/2022	146.29	135.56	137.59	110695674	146.25	13522896	16000000	51	9076	266	34	34079.2	13548.07 Aave	2/28/2022	2022	. 2 7	7	202202	202207	(0 1
ACH	2/20/2022	0.06	0.05	0.05	123103092	0.06	4058844046	1000000000	198	701	525	10	34079.2	13548.07 Alchemy Pay	2/28/2022	2022	2 7	7	202202	202207	(0 1
ADA	2/20/2022	1	0.92	0.93	1429017666	1	33626509428	45000000000	7	17268	21038	21	34079.2	13548.07 Cardano	2/28/2022	2022	2 7	7	202202	202207	(0 1
ALCX	2/20/2022	142.28	135.29	136.78	5893738	142.01	1121232	1562945	289	18	10	38	34079.2	13548.07 Alchemix	2/28/2022	2022	2 7	7	202202	202207	(0 1
AMP	2/20/2022	0.03	0.03	0.03	10200381	0.03	42227702186	92547638199	70	27532	259	91	34079.2	13548.07 Amp	2/28/2022	2022	2 7	7	202202	202207	(0 1
ANKR	2/20/2022	0.07	0.07	0.07	24703218	0.07	8162899378	1000000000	108	90	4013	8	34079.2	13548.07 Ankr	2/28/2022	2022	2 7	7	202202	202207	(0 1
ASM	2/20/2022	0.05	0.05	0.05	1721318	0.05	1065954761	1500000000	518	21	125	2	34079.2	13548.07 Assemble Protocol	2/28/2022	2022	2 7	7	202202	202207	(0 1
AUCTION	2/20/2022	14.07	12.93	12.97	1277625	14.05	2083956	10000000	683	432	2289	2	34079.2	13548.07 Bounce Token	2/28/2022	2022	2 7	7	202202	202207	(0 1
AVT	2/20/2022	2.78	2.52	2.57	441135	2.74	6000000	10000000	831	65	4 5	57	34079.2	13548.07 Aventus	2/28/2022	2022	2 7	7	202202	202207	(0 1
AXS	2/20/2022	54.89	49.86	52.34	300682184	54.87	60907500	270000000	41	13126	1417	14	34079.2	13548.07 Axie Infinity	2/28/2022	2022	2 7	7	202202	202207	(0 1
BADGER	2/20/2022	9.51	8.69	8.8	6077449	9.51	12537901	21000000	345	7	54	7	34079.2	13548.07 Badger DAO	2/28/2022	2022	2 7	7	202202	202207	(0 1
BAL	2/20/2022	13.08	12.36	12.53	12877576	13.08	6943831	100000000	398	1161	114	80	34079.2	13548.07 Balancer	2/28/2022	2022	. 2 7	7	202202	202207	(0 1
BAT	2/20/2022	0.76	0.7	0.71	92763848	0.76	1495585511	1500000000	77	203	325	19	34079.2	13548.07 Basic Attention Token	2/28/2022	2022	. 2 7	7	202202	202207		0 1
ВСН	2/20/2022	312.18	298.14	303.14	3986038360	312.03	18988800	21000000	26	15862	931	2	34079.2	13548.07 Bitcoin Cash	2/28/2022	2022	. 2 7	7	202202	202207		0 1

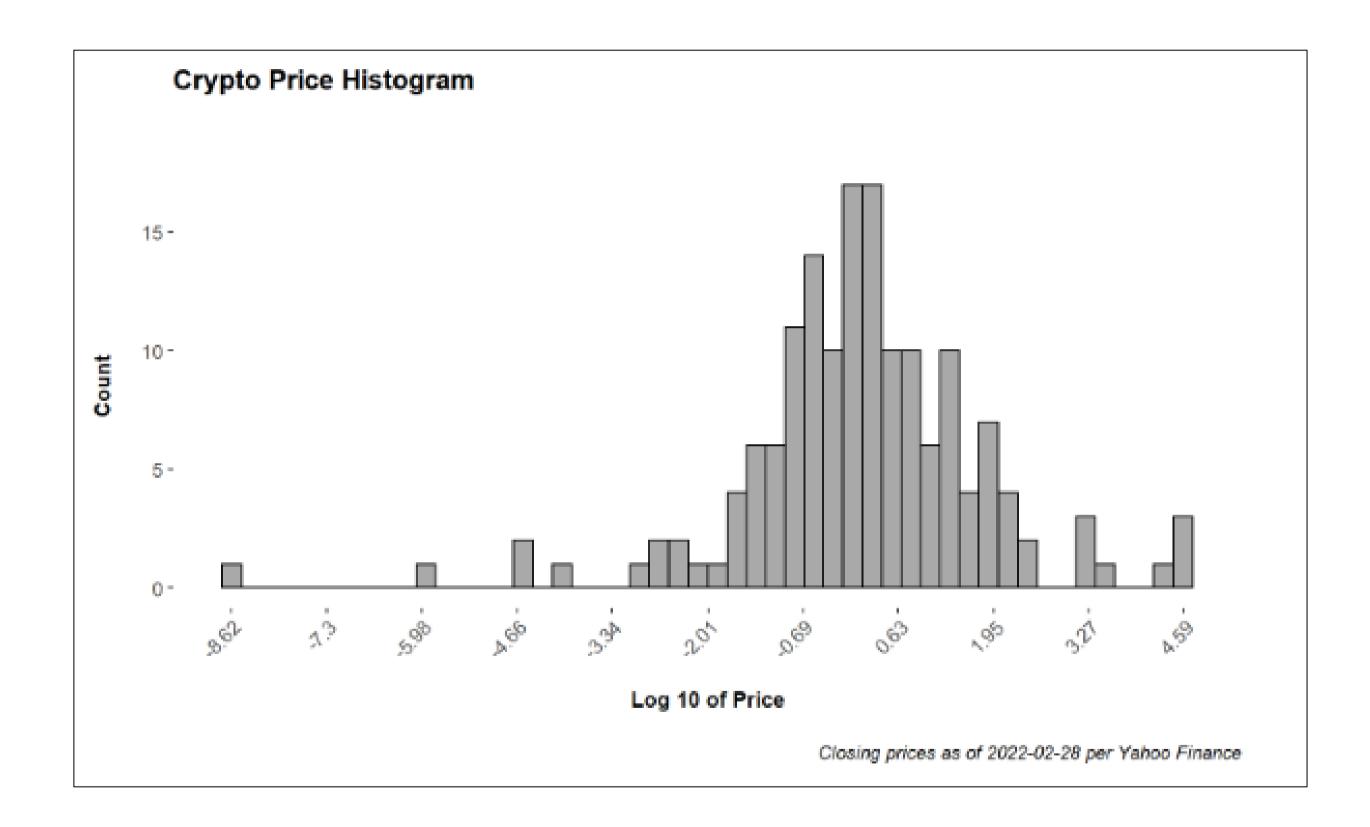
Top 10 MOST Expensive Cryptocurrencies

Ticker Slug Price <chr>> <chr>> <chr>> TBTC tBTC \$38462 BTC Bitcoin \$37622 Wrapped Bitcoin \$37547 WBTC \$19257 YFI Yearn Finance \$2608 ETH Ethereum \$1859 YFIL DFI.Money \$1782 MKR Maker MASK Mask Network \$1608 \$303 INV Inverse Finance \$302 Bitcoin Cash BCH

Top 10 LEAST Expensive Cryptocurrencies

Ticker <chr></chr>	Slug <chr></chr>	Price <chr></chr>
GNT	Golem	\$0.00000002424369
COMP	Compound	\$0.00000999999997
PLA	PlayDapp	\$0.000022481903216
SHIB	Shiba Inu	\$0.000022944055672
UNI	Uniswap	\$0.000075202013250
SUPER	SuperFarm	\$0.001128030125983
GTC	Gitcoin	\$0.001809795154259
GFI	Goldfinch	\$0.002257524058223
MIR	Mirror Protocol	\$0.003006882034242
SPELL	Spell Token	\$0.004010172560811

Crypto Price Histogram



Observations

- The price is skewed so log 10 transformation is applied
- Data looks normally distributed after applying the transformation