

Forecasting, and Analyze digital currency

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Introduction

Why? Organizing for the financial analysis process.

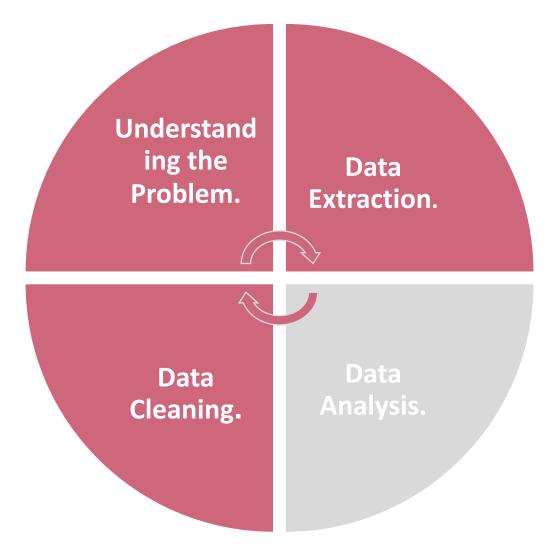
Goal: price of the digital currency will predict whether it will fall or rise in the future.

Who? trader in the cryptocurrency market.

How? Building a model that uses the previous database

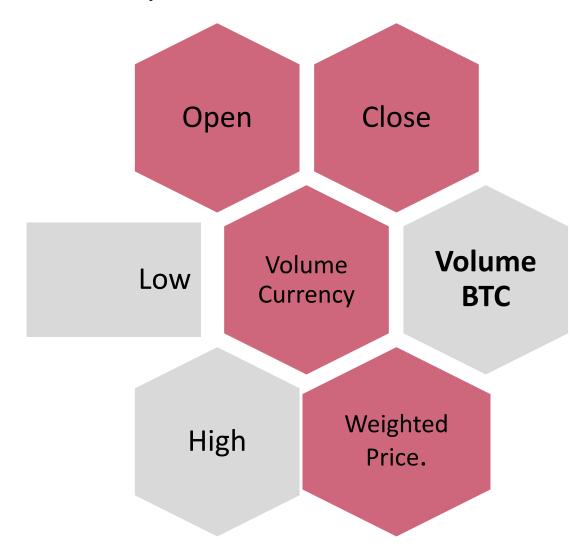


Steps before Model





characteristics/features for data



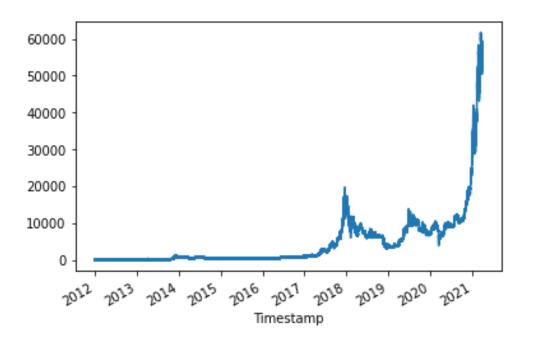


Data

	Timestamp	Open	High	Low	Close	Volu	me_(BTC) Vo	lume_(Currency)	Weighted_Price	
0	1325317920	4.39	4.39	4.39	4.39		0.455581	2.0	4.39	
1	1325317980	NaN	NaN	NaN	NaN		NaN	NaN	NaN	
2	1325318040	NaN	NaN	NaN	NaN		NaN	NaN	NaN	
3	1325318100	NaN	NaN	NaN	NaN		NaN	NaN	NaN	
4	1325318160	NaN	NaN	NaN	NaN		NaN	NaN	NaN	4.057.277
										4,857,377 rows
1										
			Open	High	Low	Close	Volume_(BTC)	Volume_(Currency)	Weighted_Price	3,613,769 rows
	T	imestam		High	Low	Close	Volume_(BTC)	Volume_(Currency)	Weighted_Price	3,613,769 rows
	T:		p		Low 4.39	Close 4.39	Volume_(BTC)		_	3,613,769 rows
		07:52:0	p 0 4.39	4.39				2.000000	4.390000	3,613,769 rows
	2011-12-31	07:52:0 15:50:0	0 4.39	4.39	4.39	4.39	0.455581	2.000000 210.720000	4.390000 4.390000	3,613,769 rows
	2011-12-31 2011-12-31	07:52:0 15:50:0 16:59:0	4.394.394.394.50	4.39 4.39 4.57	4.39 4.39	4.39 4.39	0.455581 48.000000	2.000000 210.720000 171.380338	4.390000 4.390000 4.526411	3,613,769 rows



Data





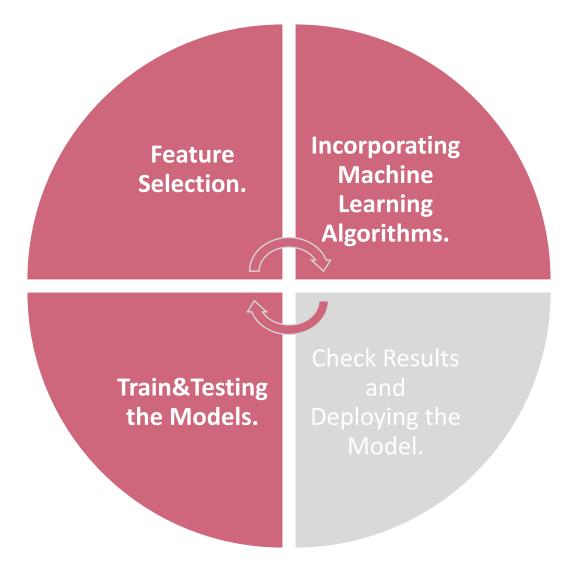


Data





Steps on Model





Data after Training

Close Predictions

Timestamp

2014-01-12 09:05:00	878.01	952.829529
2014-01-12 09:06:00	878.01	952.761353
2014-01-12 09:07:00	878.01	952.719849
2014-01-12 09:09:00	878.01	952.699463
2014-01-12 09:10:00	878.01	952.692810

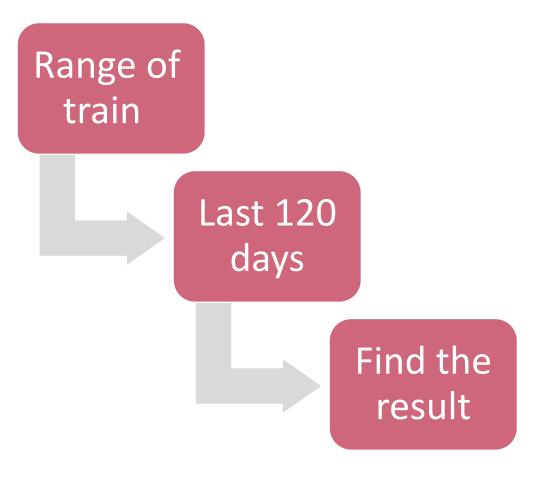
Close Predictions

Timestamp

2021-03-30 23:56:00	58686.00	19096.496094
2021-03-30 23:57:00	58685.81	19096.652344
2021-03-30 23:58:00	58723.84	19096.679688
2021-03-30 23:59:00	58760.59	19096.775391
2021-03-31 00:00:00	58778.18	19097.062500



prediction equation





Project Development in Future

