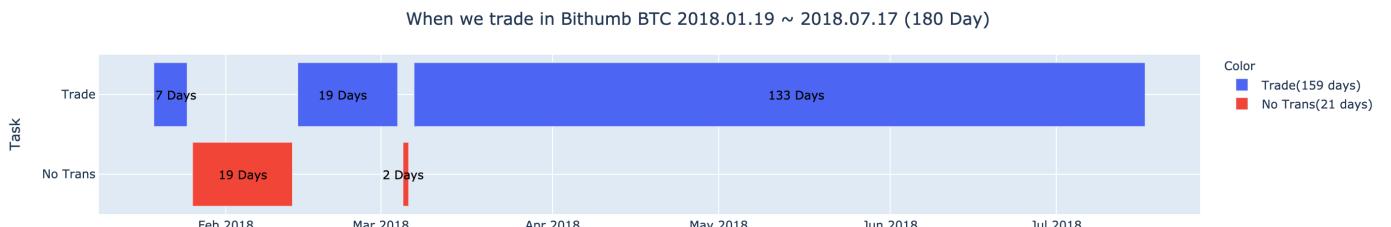
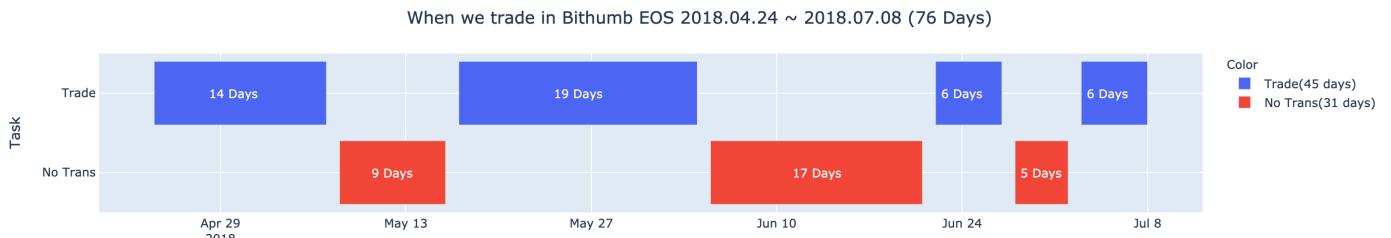


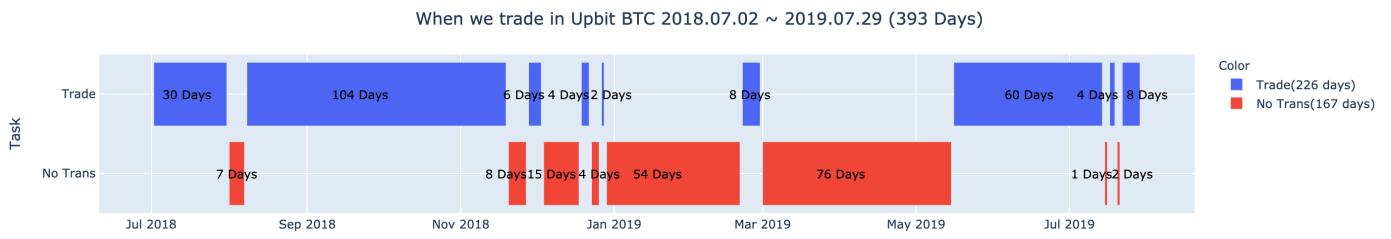
## Timeline



- Bithumb BTC Timeline



- Bithumb EOS Timeline



- Upbit BTC

## Bithumb - Bitcoin 2018 거래량

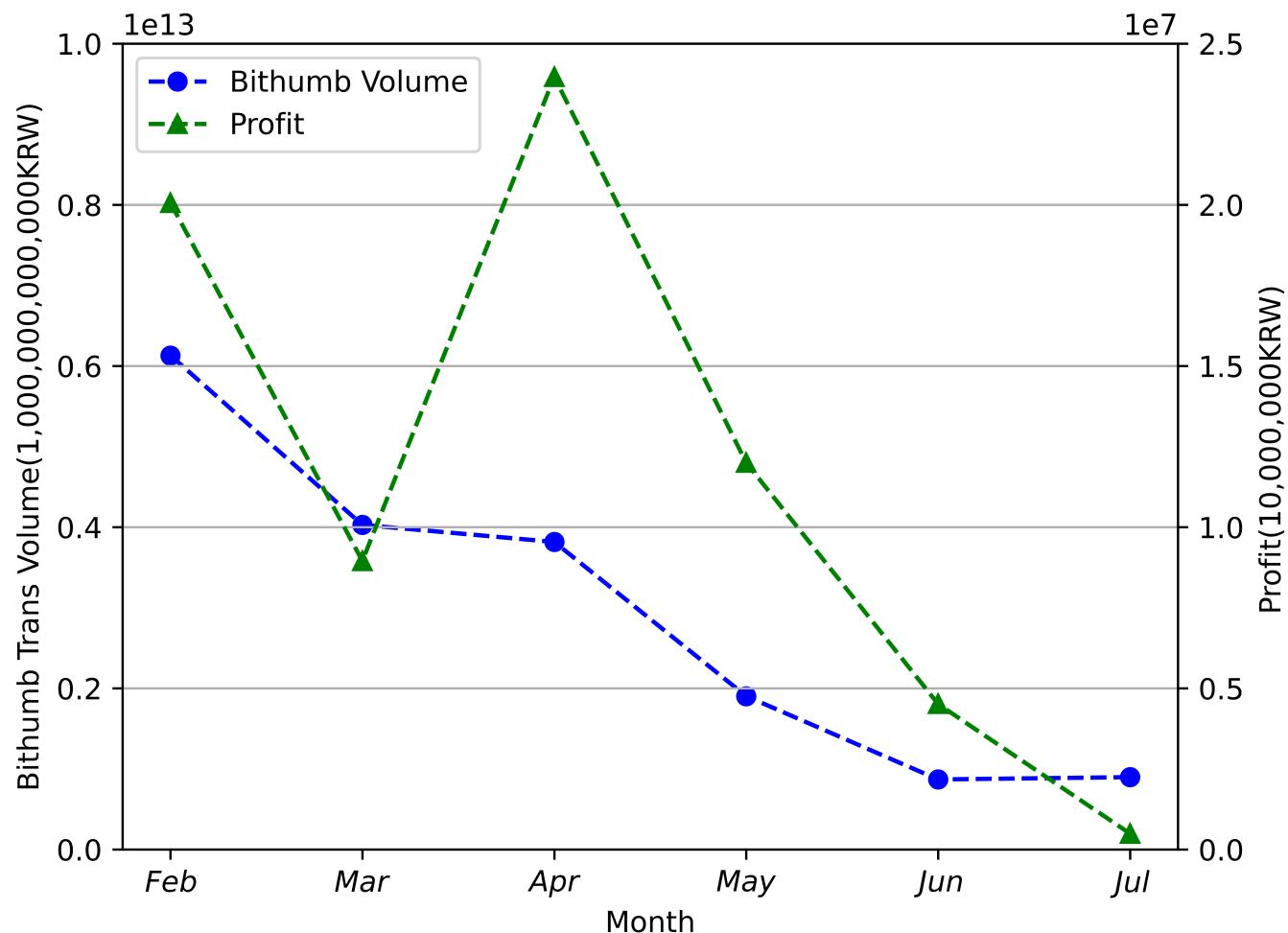
### Bithumb 2018

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total Trans	823	18,367	33,149	27,790	23,295	8,779	9,467	4,016
Profit(KRW)	-	20,057,445	8,951,034	23,967,448	11,999,306	4,513,842	494,149	-
Sell(KRW)	10,259,898	39,817,915,902	60,669,715,599	45,635,560,225	36,634,276,516	12,917,194,088	11,622,590,281	5,982,790,055
Buy(KRW)	7,375,346	39,797,858,457	60,657,579,097	45,609,884,185	36,622,277,210	12,912,680,246	11,622,096,132	5,966,645,458
Total Volume	17,635,244	76,615,774,359	121,327,294,696	91,245,444,410	73,256,553,726	25,829,874,334	23,244,686,413	11,979,435,513

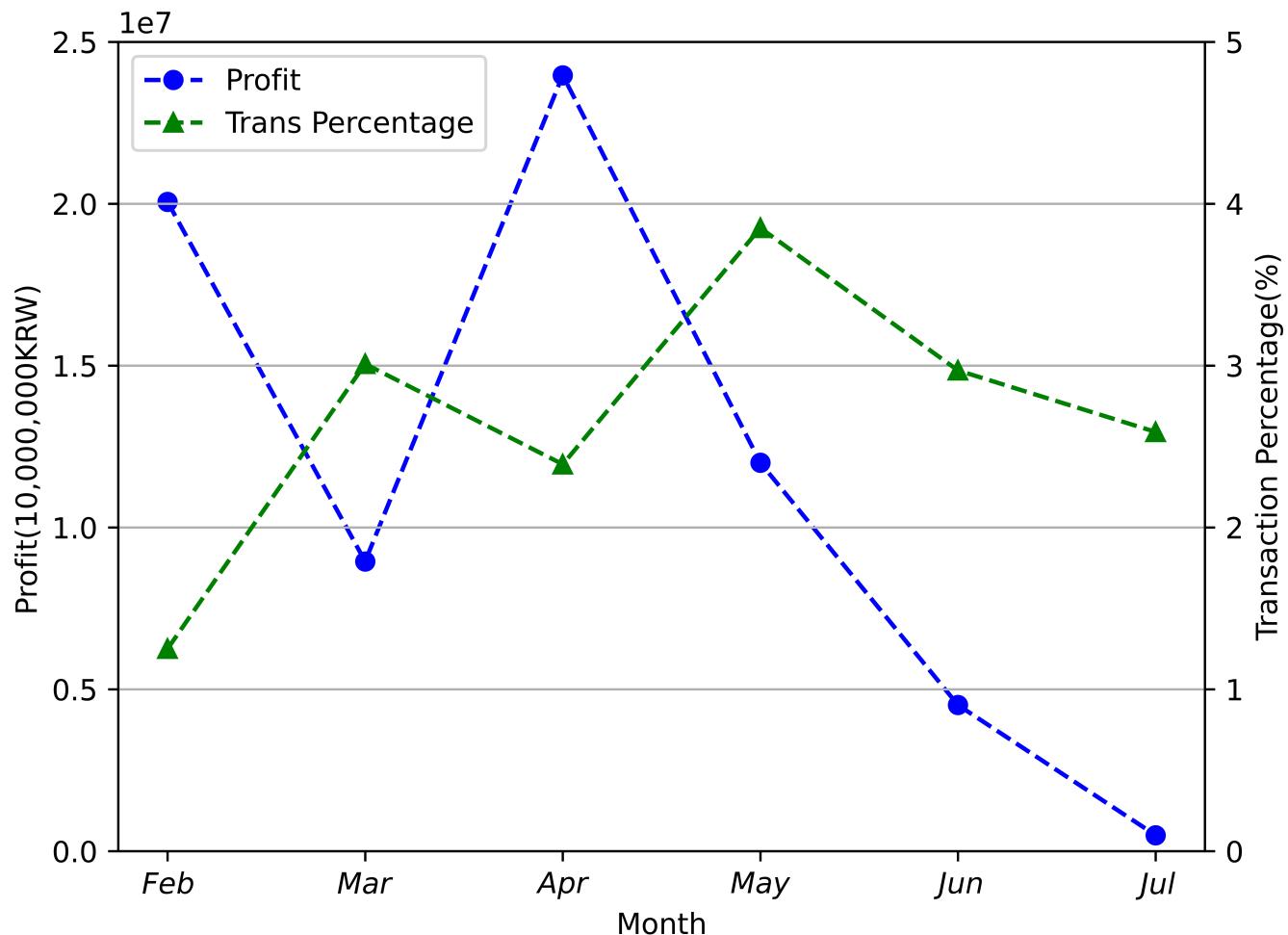
### Bithumb-Bitcoin

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total trans(BTC)	451.87K	518.51K	524.38K	377.09K	230.11K	123.44K	102.80K	238.1
Total trans	5,173,911,500,000	6,129,825,220,000	4,028,287,160,000	3,816,150,800,000	1,903,469,920,000	869,387,920,000	897,958,000,000	1,874
Young/Total	0.00034%	1.25%	3.01%	2.39%	3.85%	2.97%	2.59%	0.64%

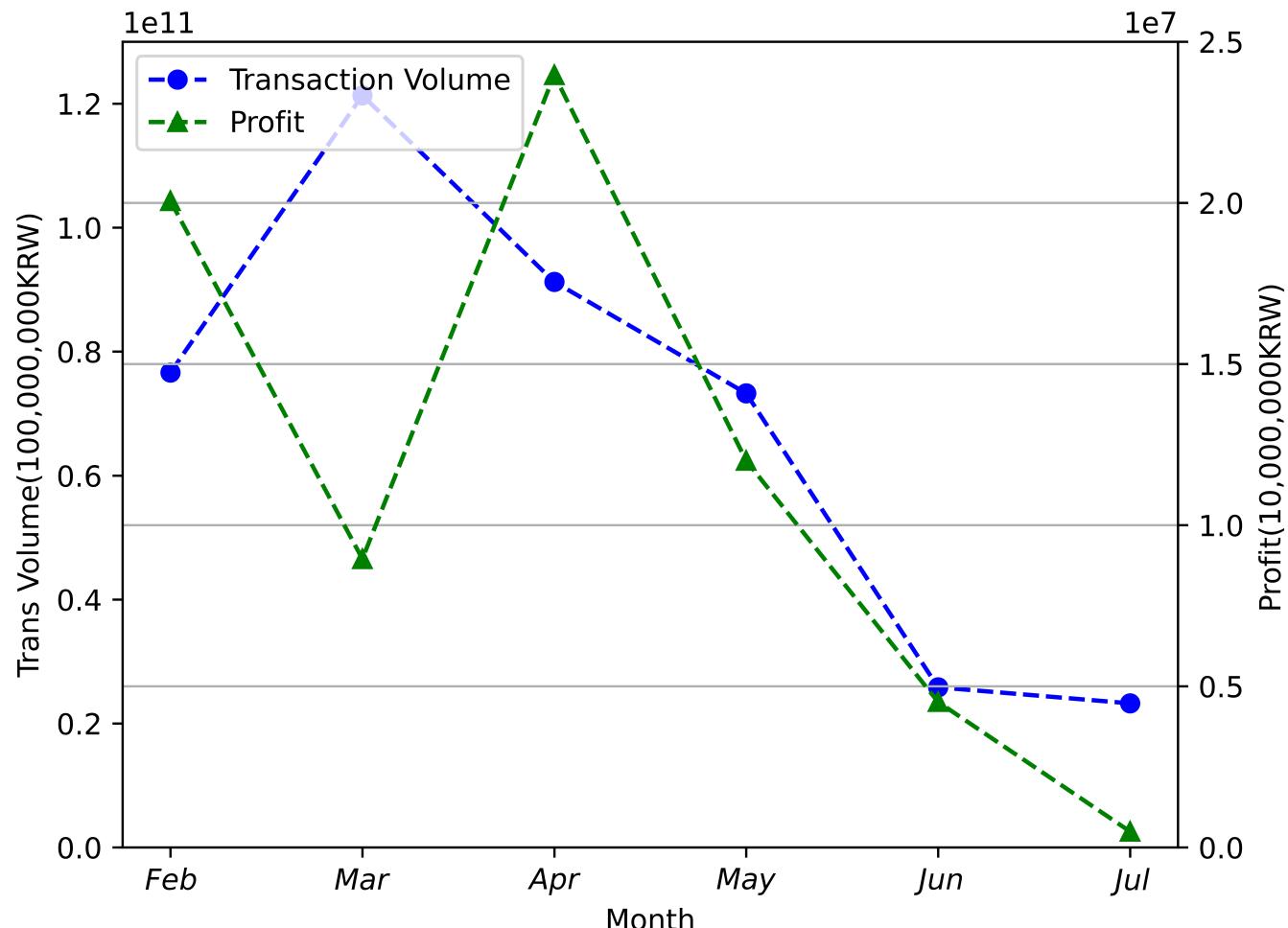
그래프



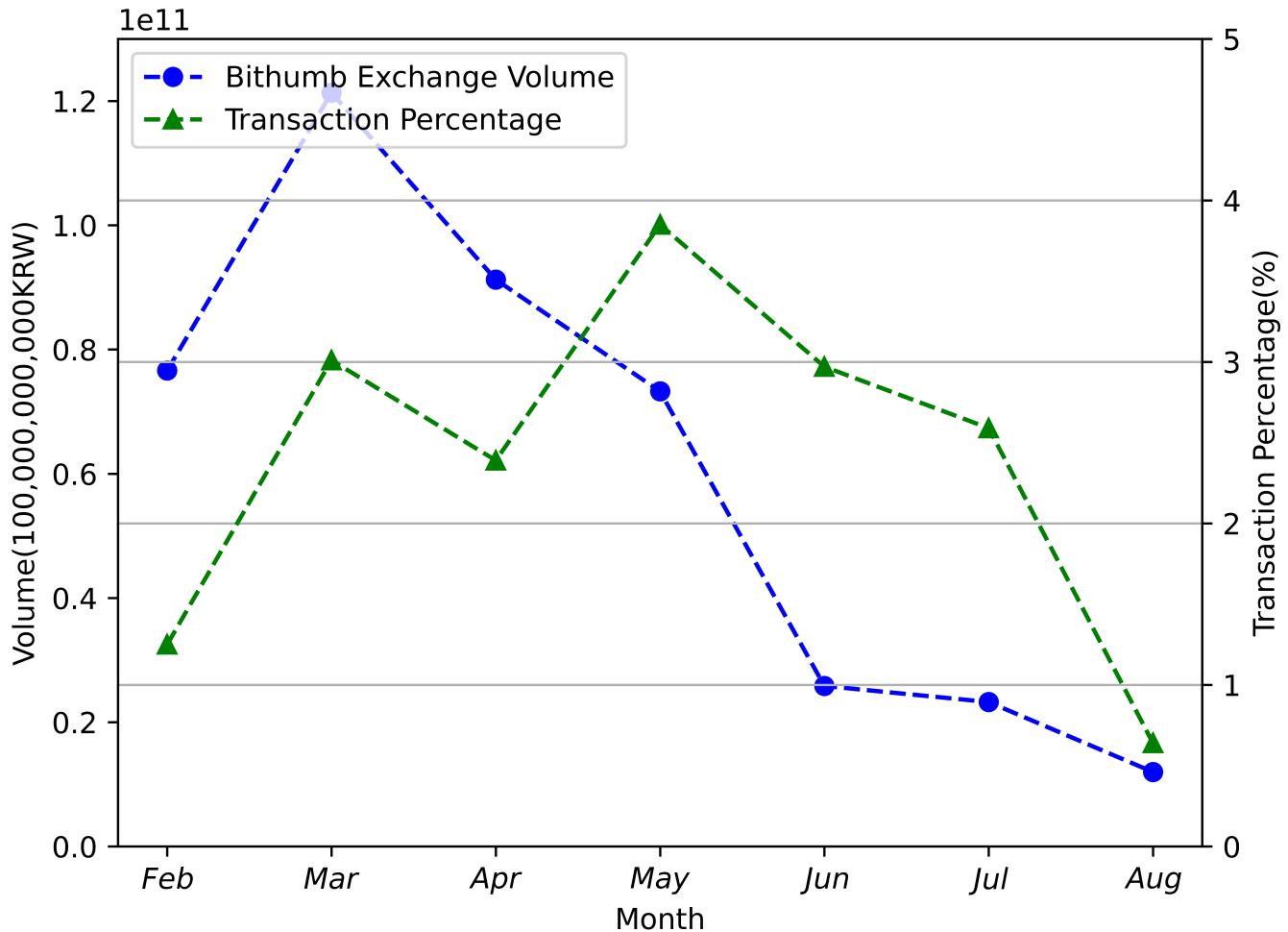
- 파랑색 : Bithumb 거래소 bitcoin 거래량(KRW)
- 초록색 : 수익(KRW)



- 파랑색 : 수익(KRW)
- 초록색 : 교수님 거래량(KRW) / Bithumb 거래소 bitcoin 거래량(KRW)



- 초록색 : 수익(KRW)
- 파랑색 : 교수님 거래량(KRW)



- 파랑색 : Bithumb 거래소 거래량(KRW)
- 초록색 : 교수님 거래량(KRW) / Bithumb 거래소 bitcoin 거래량(KRW)

## Upbit Bitcoin 2018s 거래량

출처 : <https://kr.investing.com/crypto/bitcoin/btc-krw-historical-data?cid=1064952>

### Upbit-Bitcoin 계정 거래량

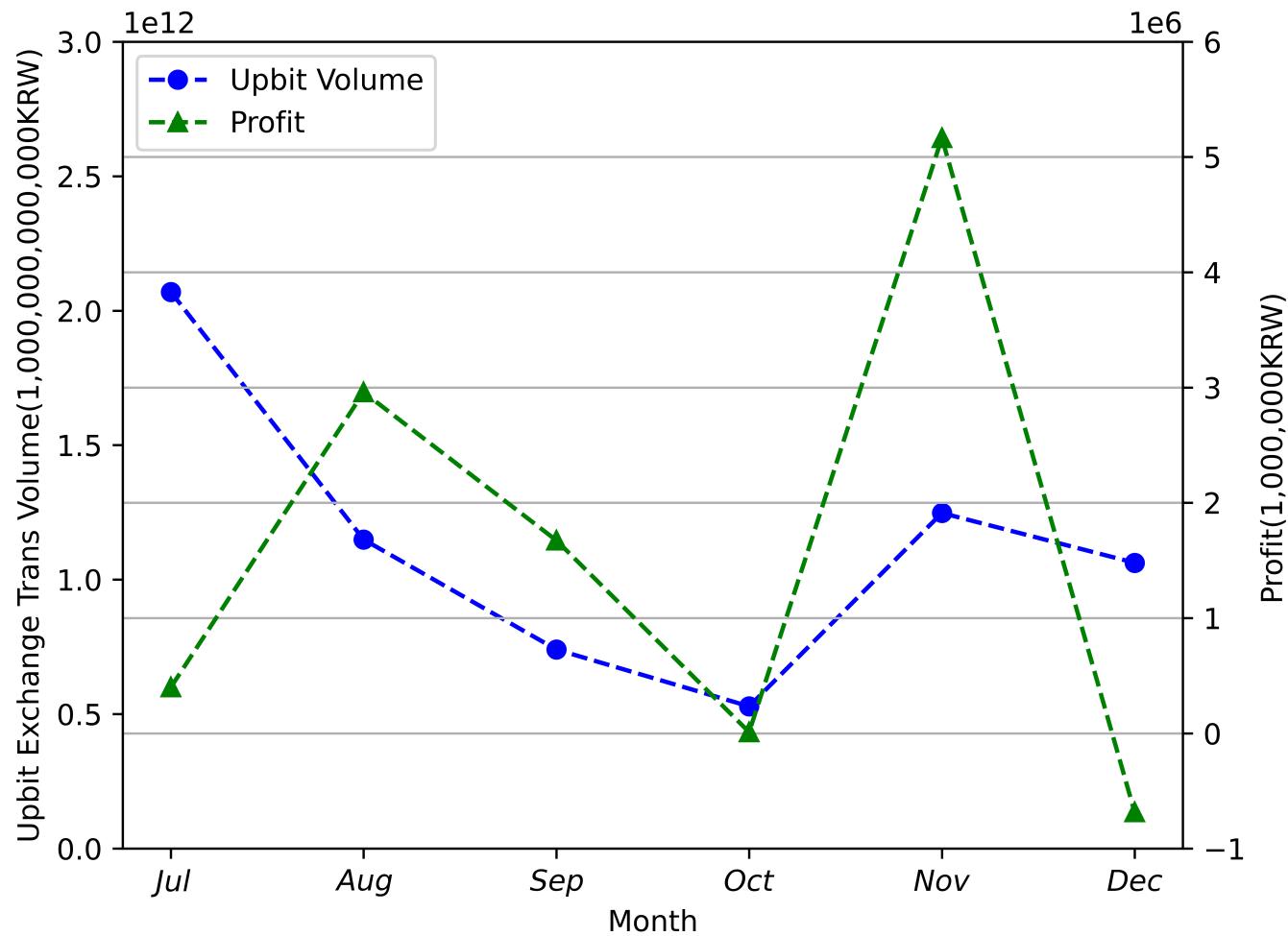
Month	Jul	Aug	Sep	Oct	Nov	Dec
Total Trans	"19,145"	"12,215"	"8,658"	"5,054"	"3,985"	"3,672"
Profit(KRW)	"400,090"	"2,958,947"	"1,673,592"	"10,510"	"5,164,420"	"-683,606"
Sell Volume(KRW)	"13,243,152,231"	"10,694,677,228"	"6,606,541,721"	"2,966,715,367"	"2,502,715,367"	"1,849,349,267"
Buy Volume(KRW)	"13,249,752,210"	"10,680,392,607"	"6,575,624,895"	"2,980,863,347"	"2,488,491,381"	"1,850,032,873"
Total Volume(KRW)	"26,492,904,441"	"21,375,069,835"	"13,182,166,616"	"5,947,578,714"	"4,991,206,748"	"3,699,382,140"

### Upbit-Bitcoin 거래소 거래량

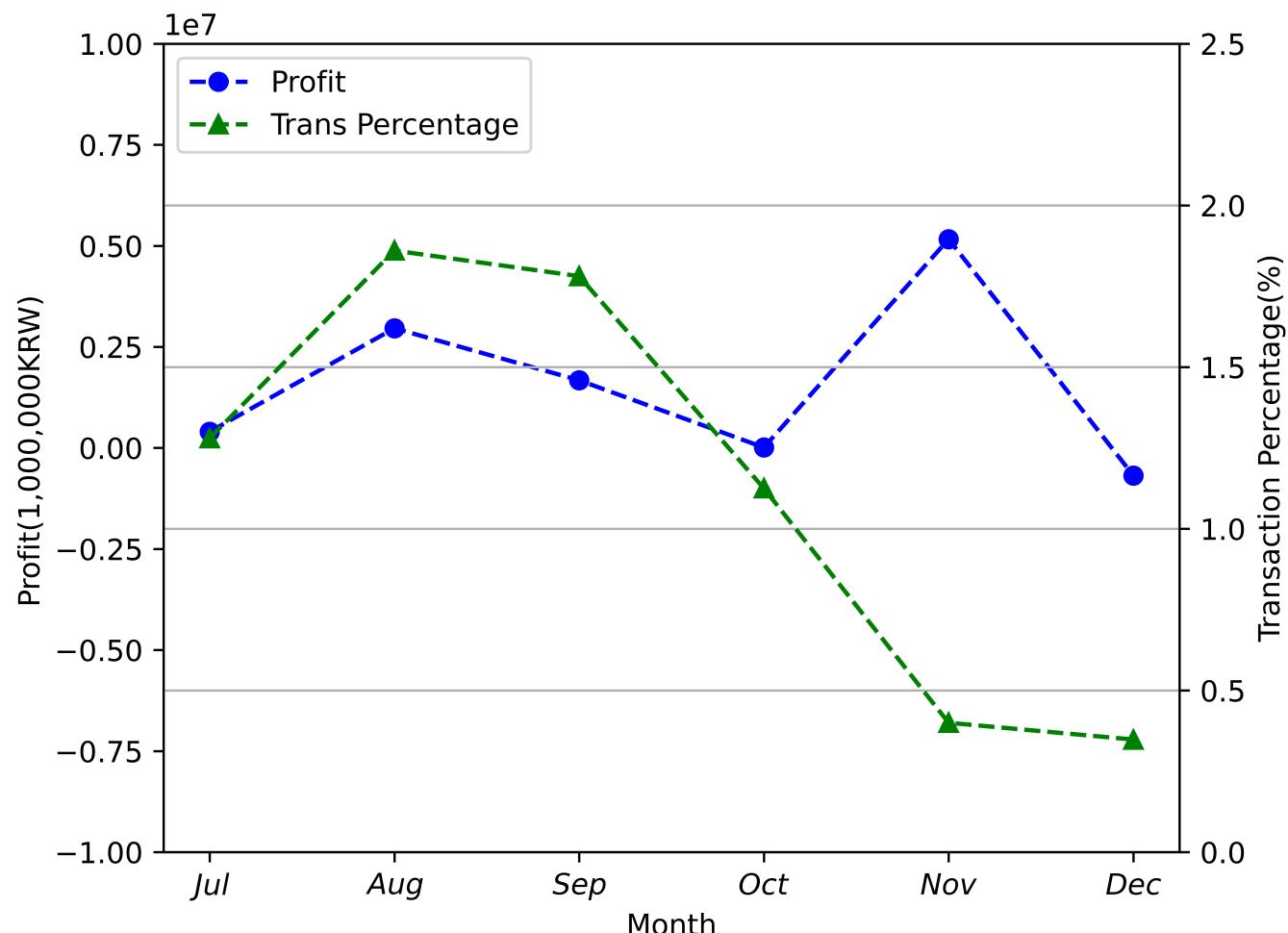
Month	Jul	Aug	Sep	Oct	Nov	Dec
Total trans(BTC)	"258,193"	"150,040"	"99,150"	"72,193"	"202,720"	"256,130"
Average(KRW)	"8,015,903"	"7,658,355"	"7,464,400"	"7,323,839"	"6,154,700"	"4,148,516"
Closing price(KRW)	"8,807,000"	"7,872,000"	"7,393,000"	"7,162,000"	"4,567,000"	"4,201,000"
Total trans(KRW)	"2,069,650,043,279"	"1,149,059,584,200"	"740,095,260,000"	"528,729,908,927"	"1,247,680,784,000"	"1,062,559,403,080"
Young/Total	1.280066866	1.860222927	1.781144581	1.124880324	0.400038761	0.348157678

- Total trans는 Total trans(BTC) \* 월별 평균 가격으로 계산.

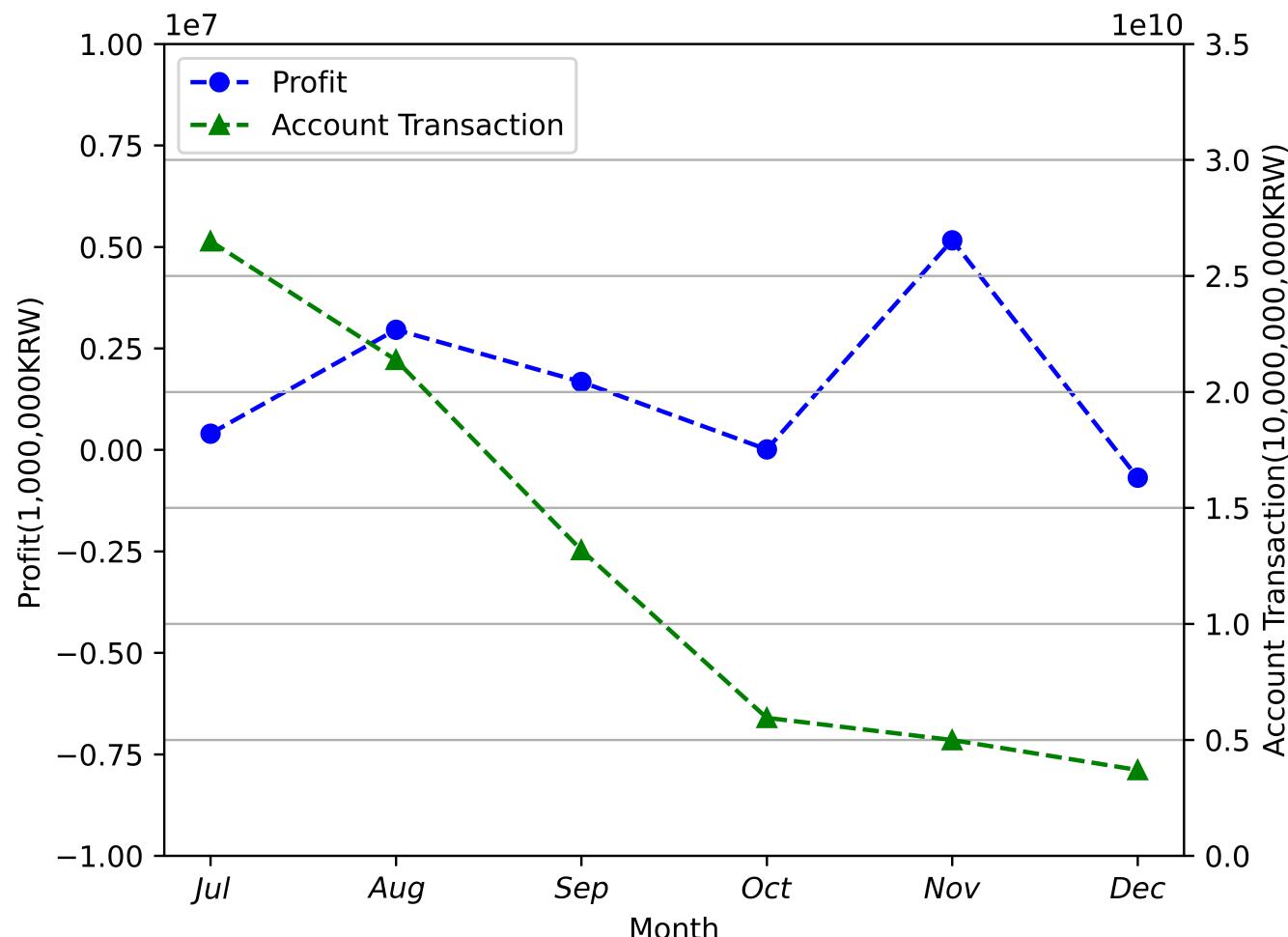
## 그래프



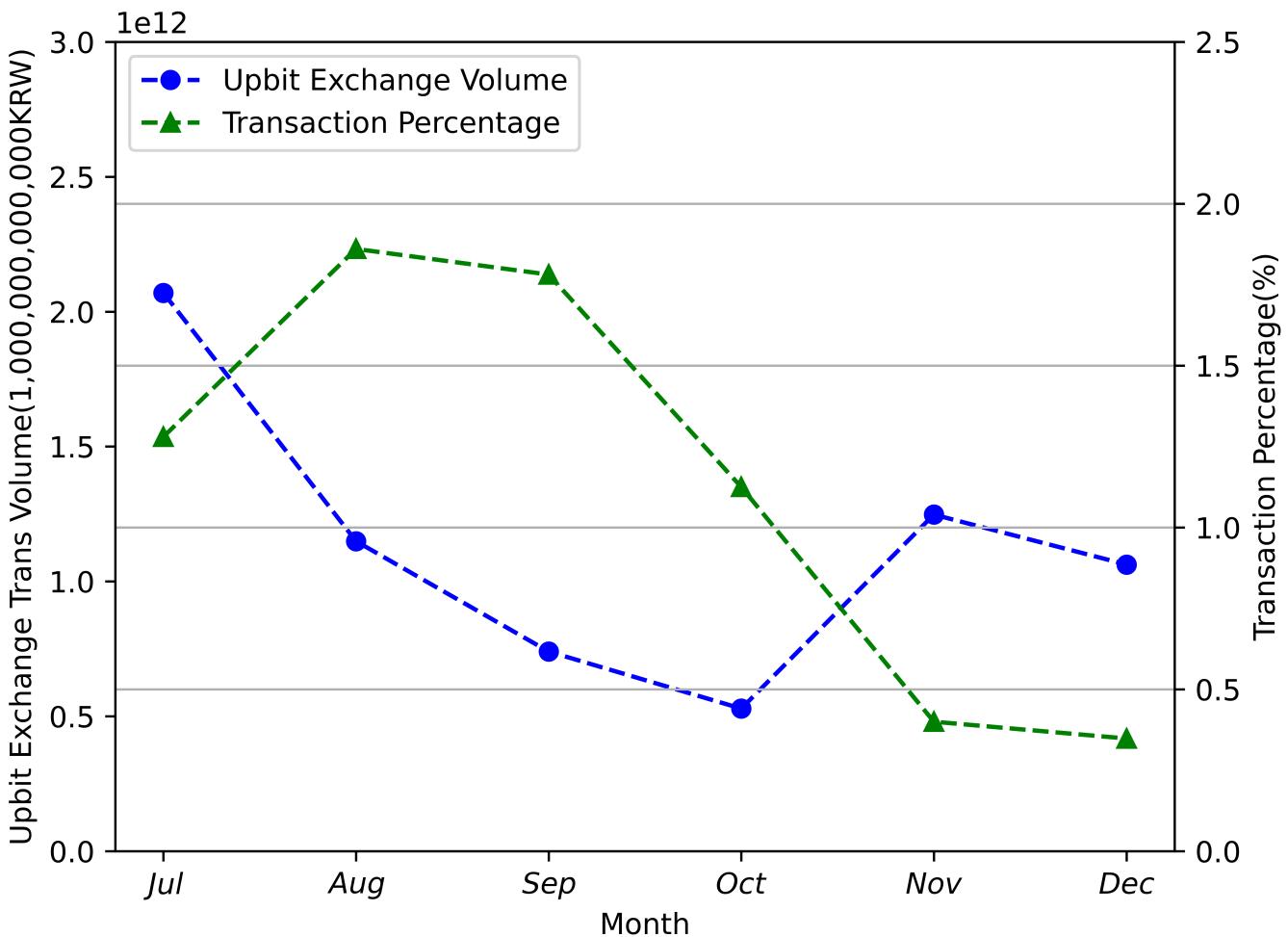
- 파랑색 : Upbit 거래소 bitcoin 거래량(KRW)
- 초록색 : 수익(KRW)



- 파랑색 : 수익(KRW)
- 초록색 : 교수님 거래량(KRW) / Upbit 거래소 bitcoin 거래량(KRW)



- 초록색 : 수익(KRW)
- 파랑색 : 교수님 거래량(KRW)



- 파랑색 : Upbit 거래소 거래량(KRW)
- 초록색 : 교수님 거래량(KRW) / Bithumb 거래소 bitcoin 거래량(KRW)

## Upbit Bitcoin 2019 거래량

출처 : <https://kr.investing.com/crypto/bitcoin/btc-krw-historical-data?cid=1064952>

### Upbit-Bitcoin 계정 거래량

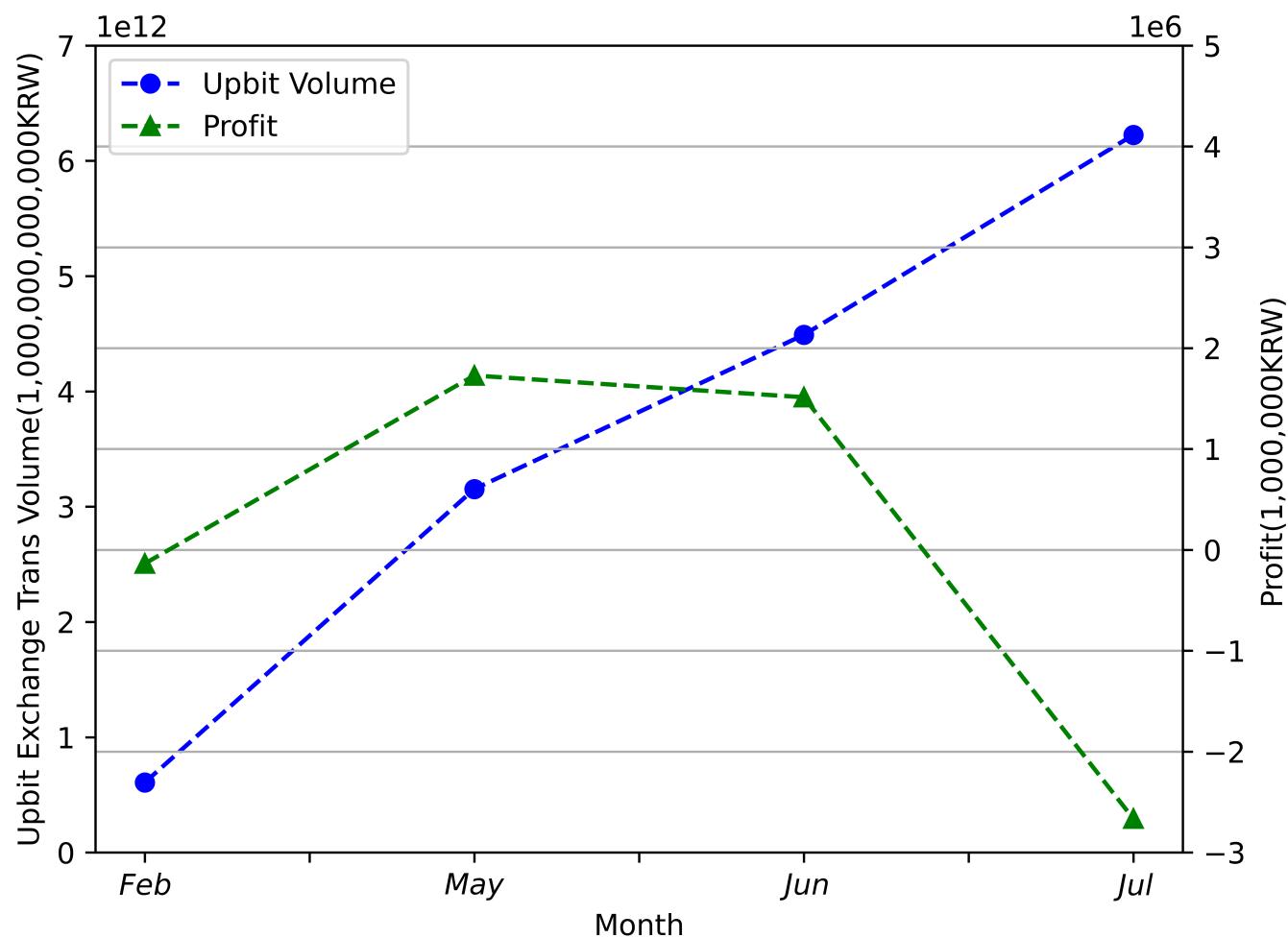
Month	Feb	May	Jun	Jul
Total Trans	"4,579"	"17,622"	"37,907"	"19,652"
Profit(KRW)	"-135,473"	"1,728,400"	"1,513,153"	"-2,666,093"
Sell Volume(KRW)	"2,415,870,049"	"16,416,783,692"	"32,973,943,190"	"25,367,995,572"
Buy Volume(KRW)	"2,416,005,522"	"16,415,055,292"	"32,879,246,140"	"25,364,586,093"
Total Volume(KRW)	"4,831,875,571"	"32,831,838,984"	"65,853,189,330"	"50,732,581,665"

### Upbit-Bitcoin 거래소 거래량

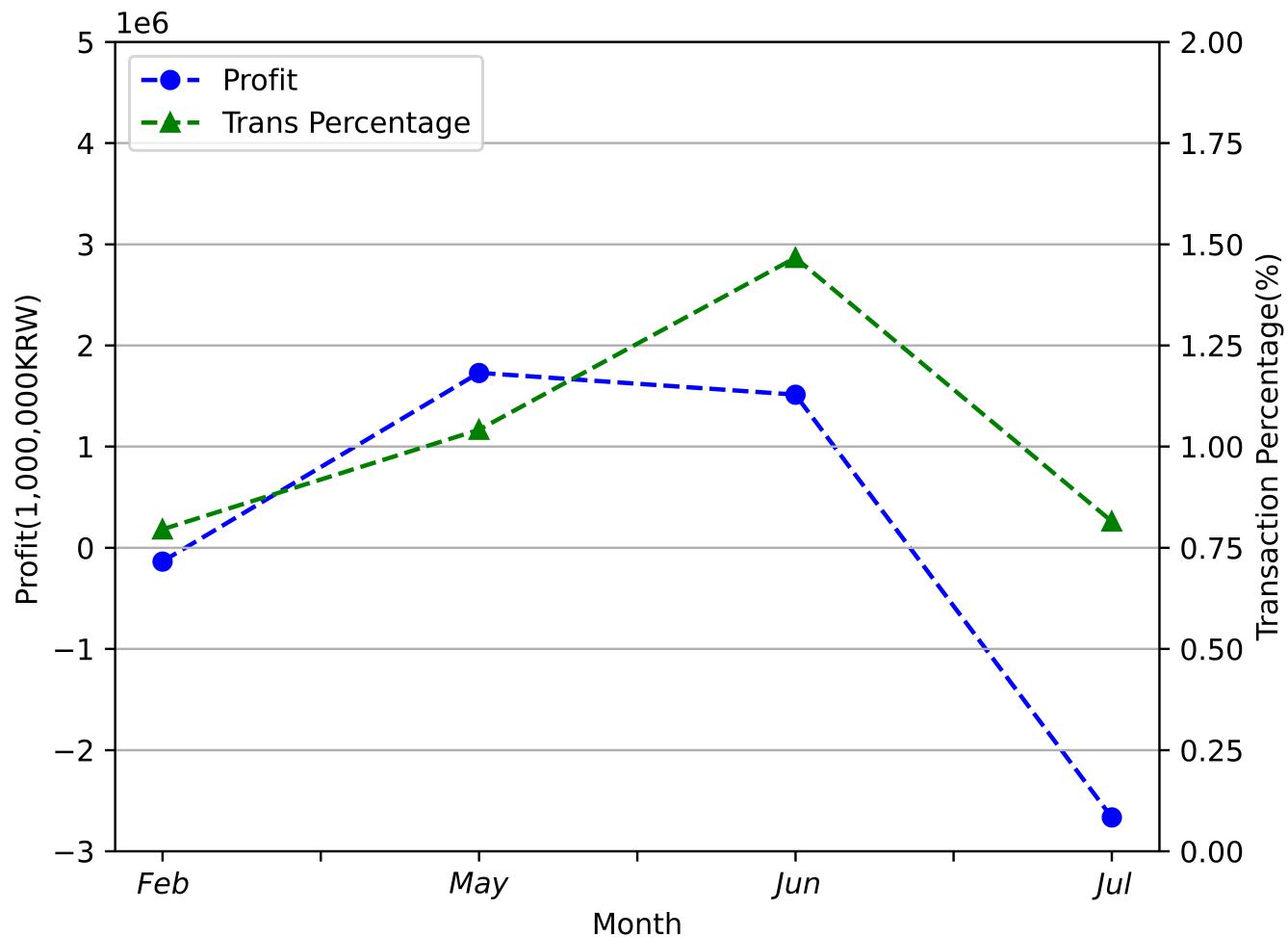
Month	Feb	May	Jun	Jul
Total trans(BTC)	"149,410"	"364,280"	"395,380"	"487,020"
Average(KRW)	"4,066,071"	"8,654,355"	"11,357,900"	"12,781,129"
Closing price(KRW)	"4,241,000"	"10,372,000"	"13,566,000"	"11,949,000"
Total trans(KRW)	"607,511,668,110"	"3,152,608,439,400"	"4,490,686,502,000"	"6,224,665,445,580"
Young/Total	0.795355188	1.041418229	1.466439247	0.815025034

- Total trans는 Total trans(BTC) \* 월별 평균 가격으로 계산.

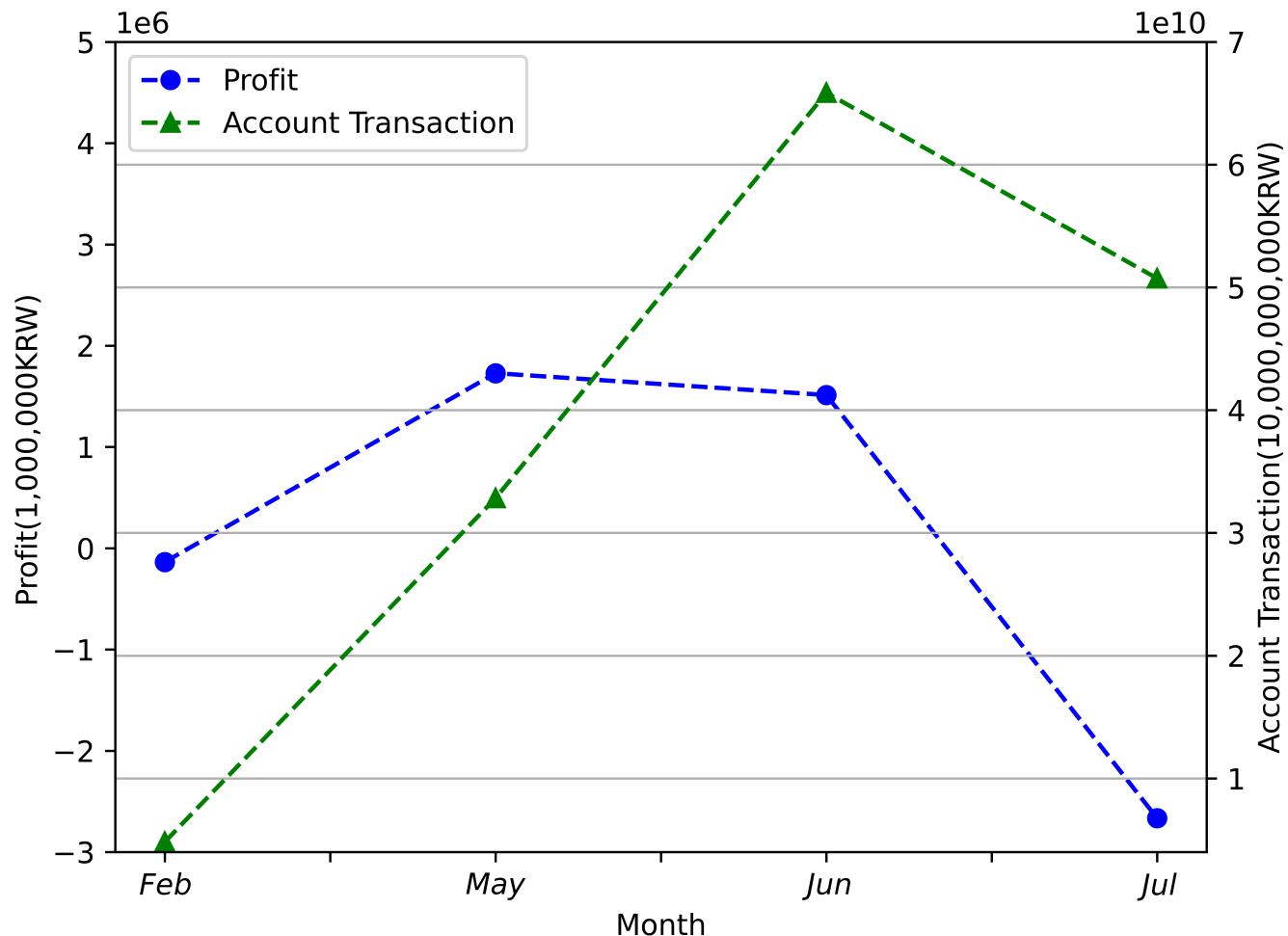
## 그래프



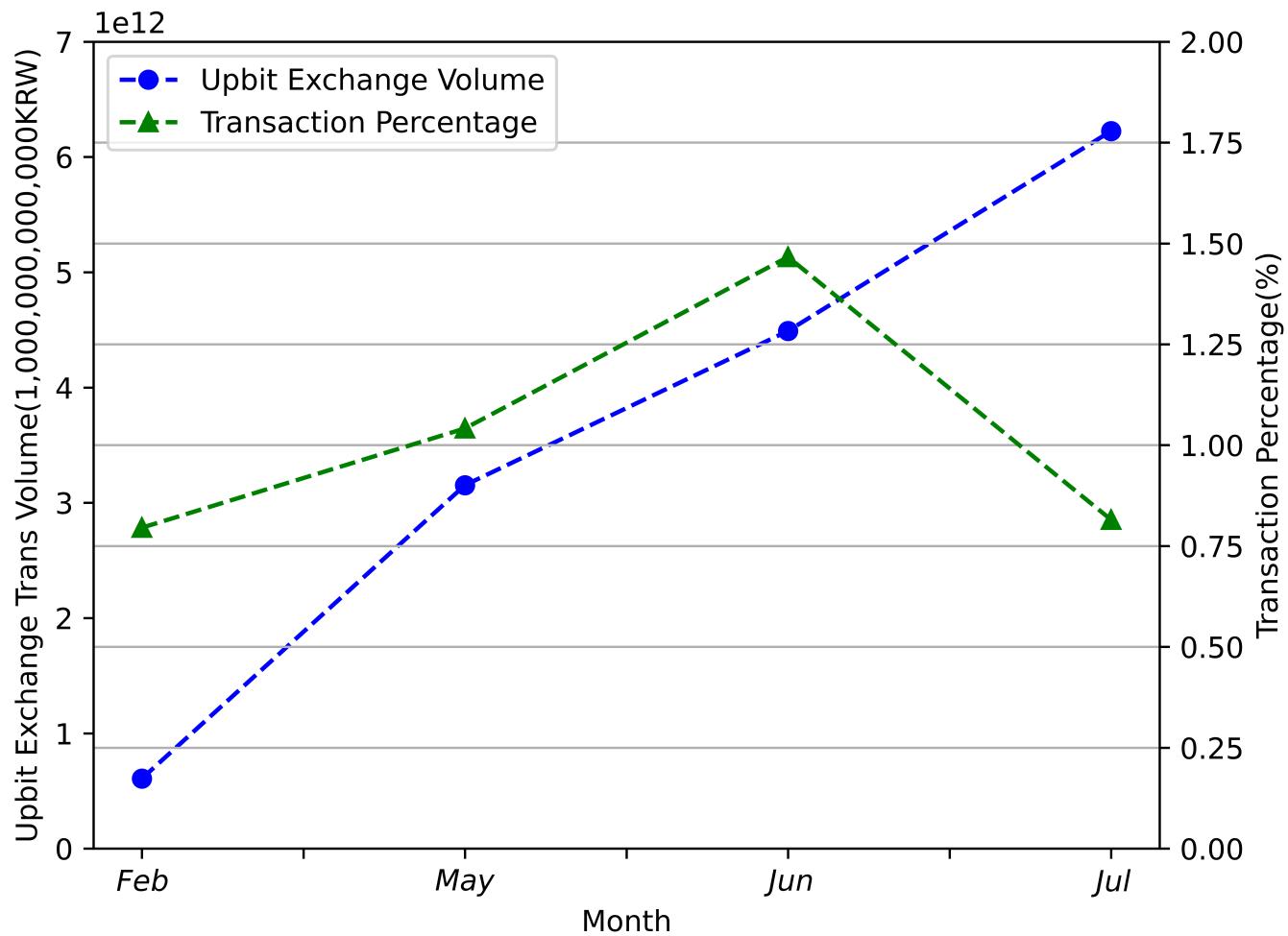
- 파랑색 : Upbit 거래소 bitcoin 거래량(KRW)
- 초록색 : 수익(KRW)



- 파랑색 : 수익(KRW)
- 초록색 : 교수님 거래량(KRW) / Upbit 거래소 bitcoin 거래량(KRW)



- 초록색 : 수익(KRW)
- 파랑색 : 교수님 거래량(KRW)

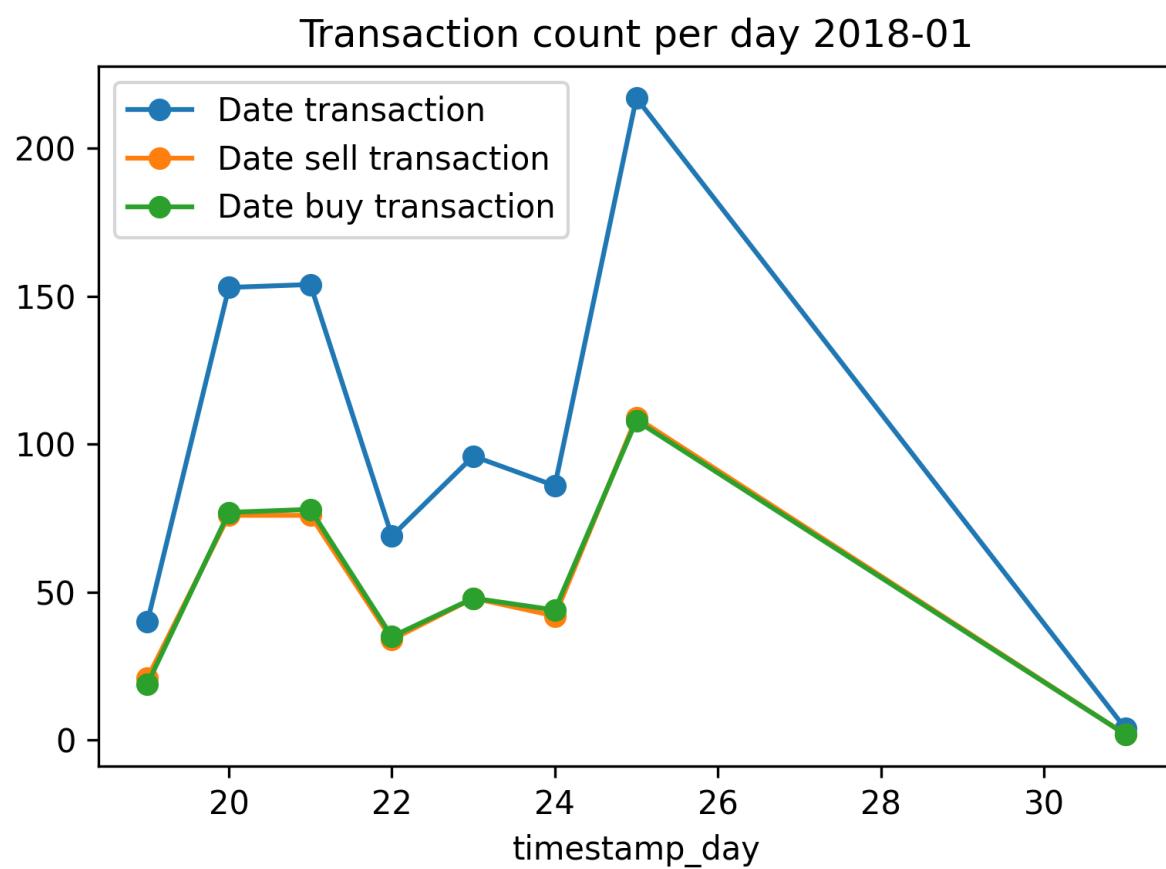
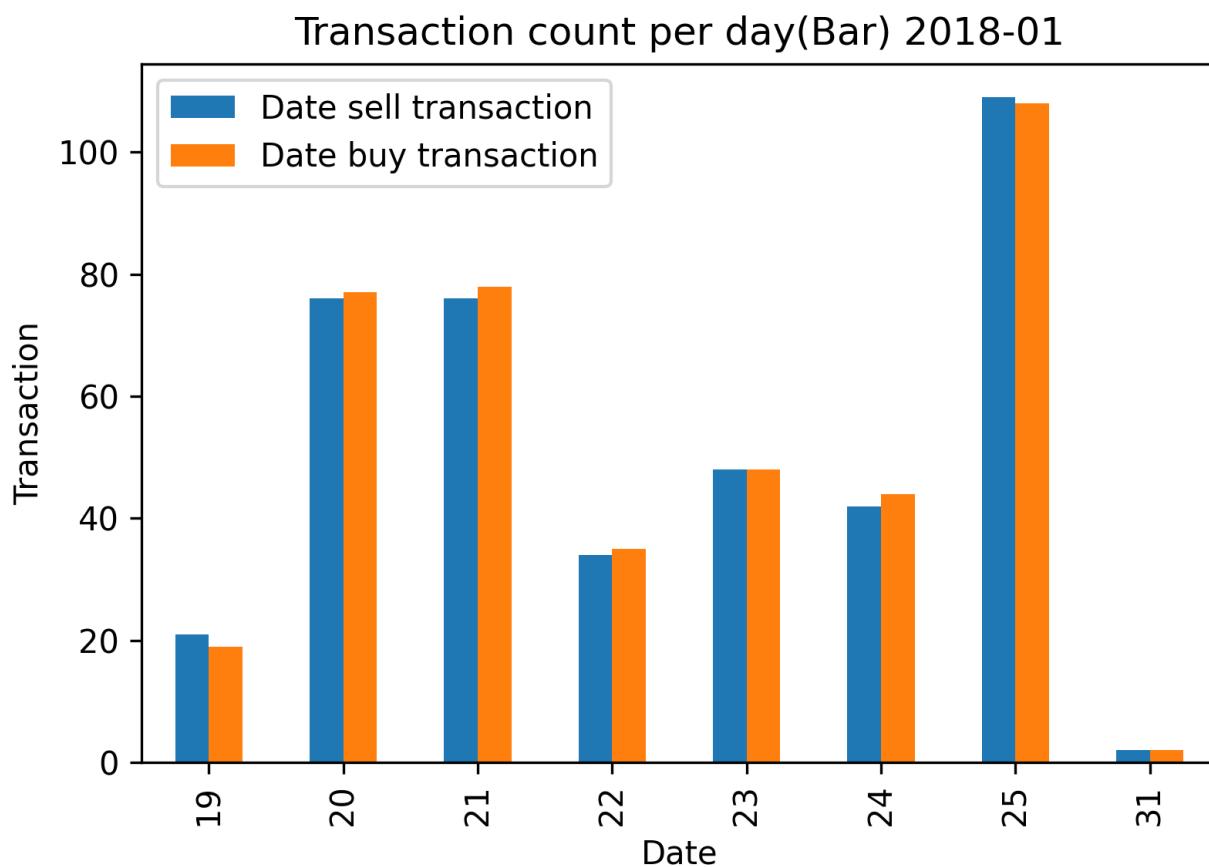


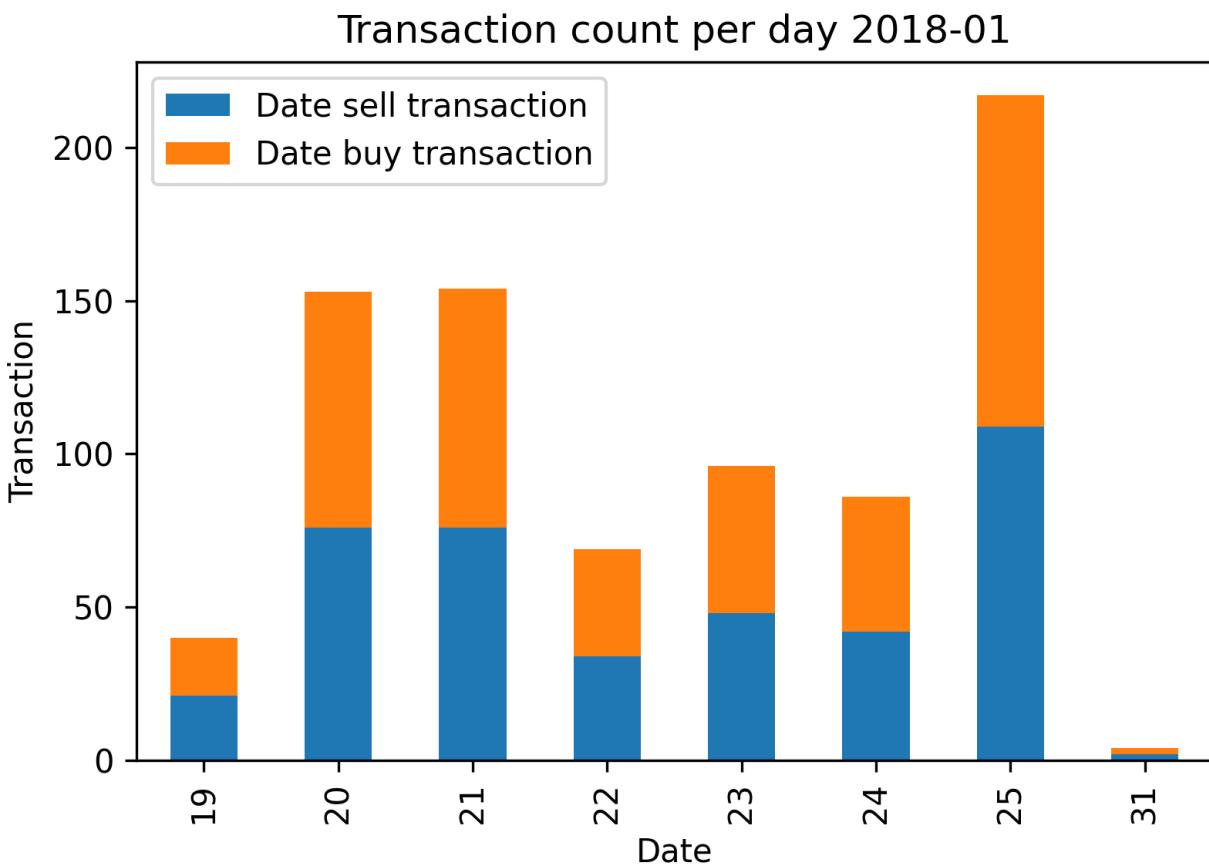
- 파랑색 : Upbit 거래소 거래량(KRW)
- 초록색 : 교수님 거래량(KRW) / Bithumb 거래소 bitcoin 거래량(KRW)

## Bithumb-BTC 2018 일 별 Buy, Sell, Total 거래

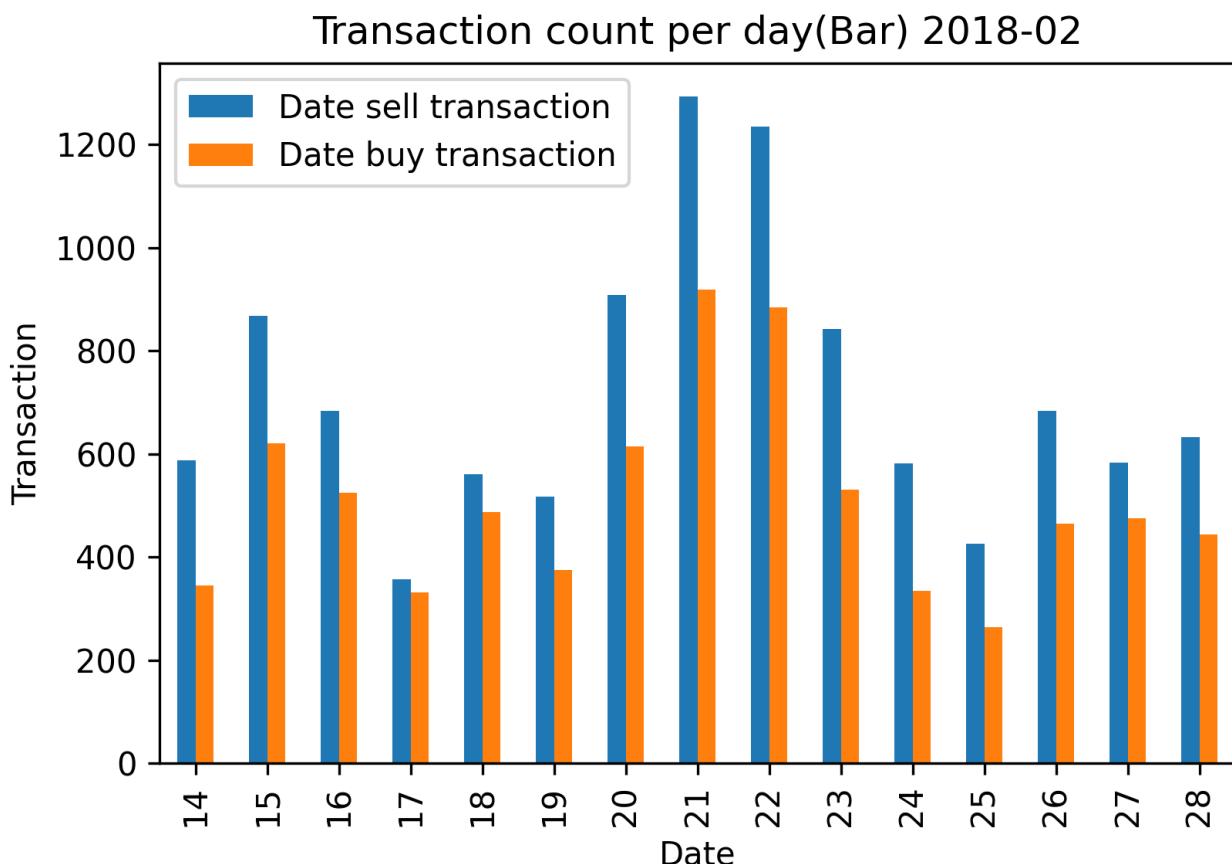
산것, 판것 거래량 예시 (매일 buy 양이 더 많음을 보여줄 수 있는)

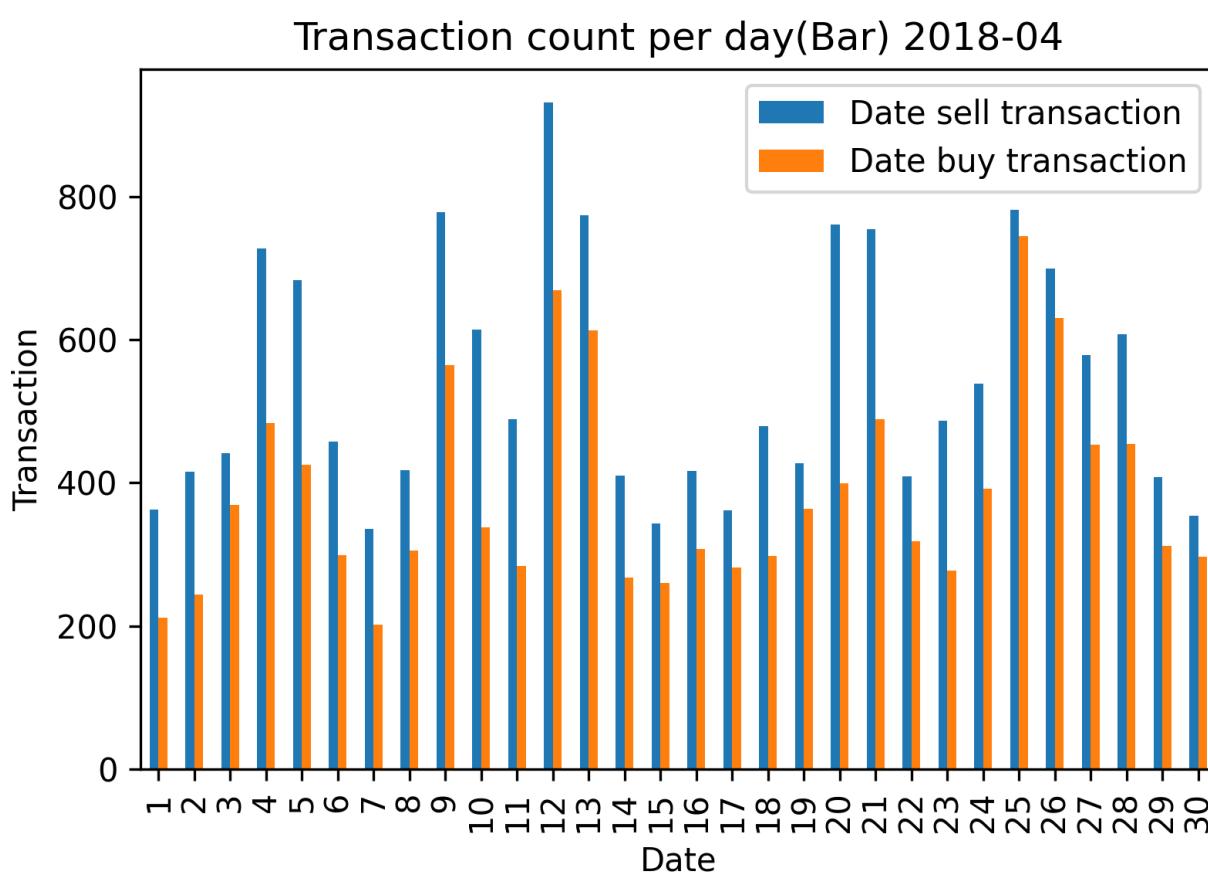
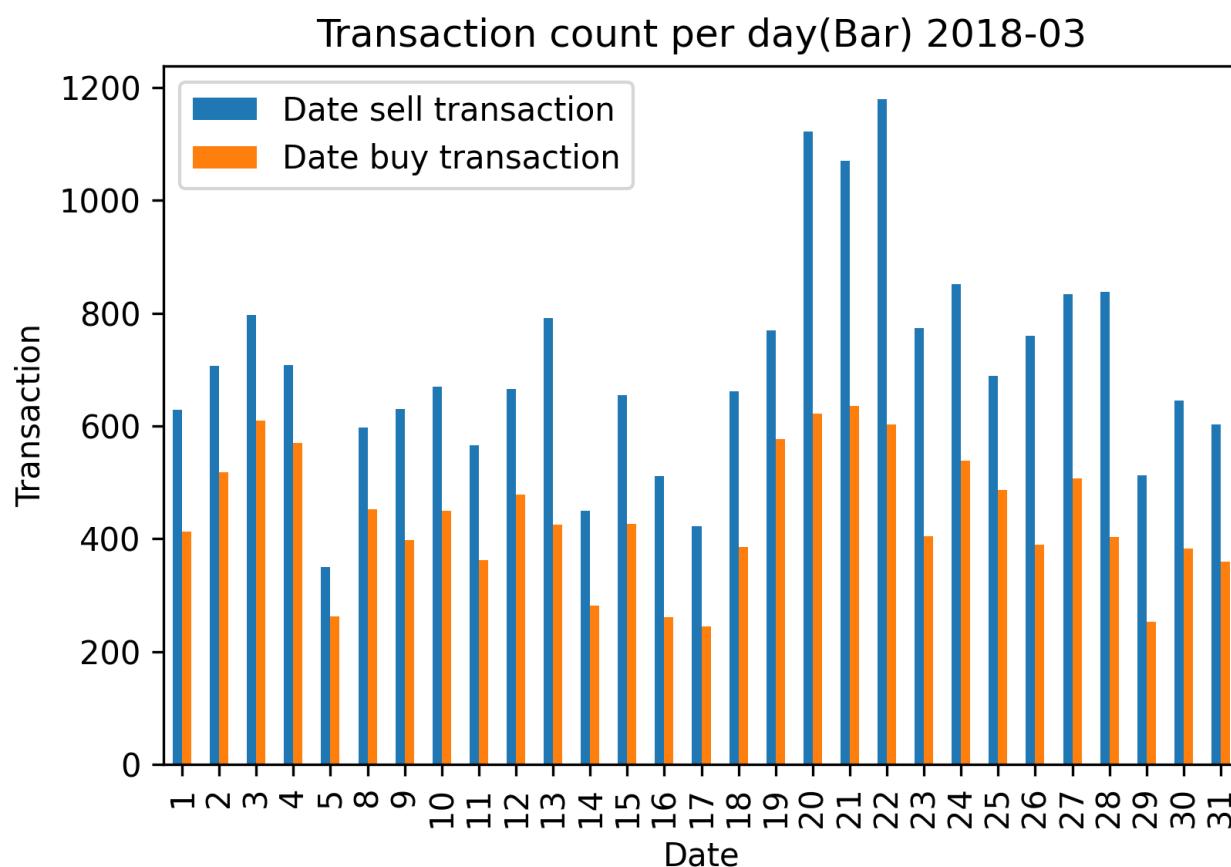
각 달별 하루 sell, buy transaction

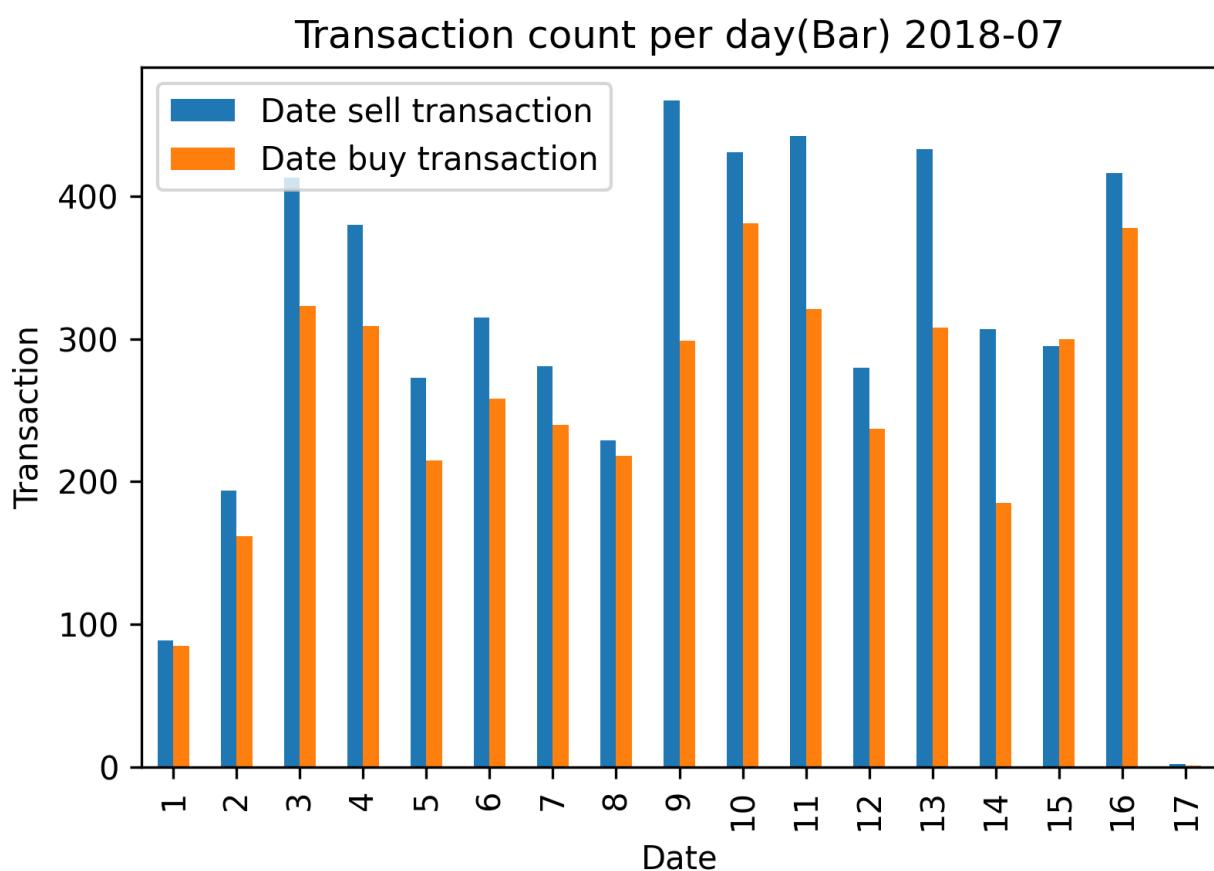
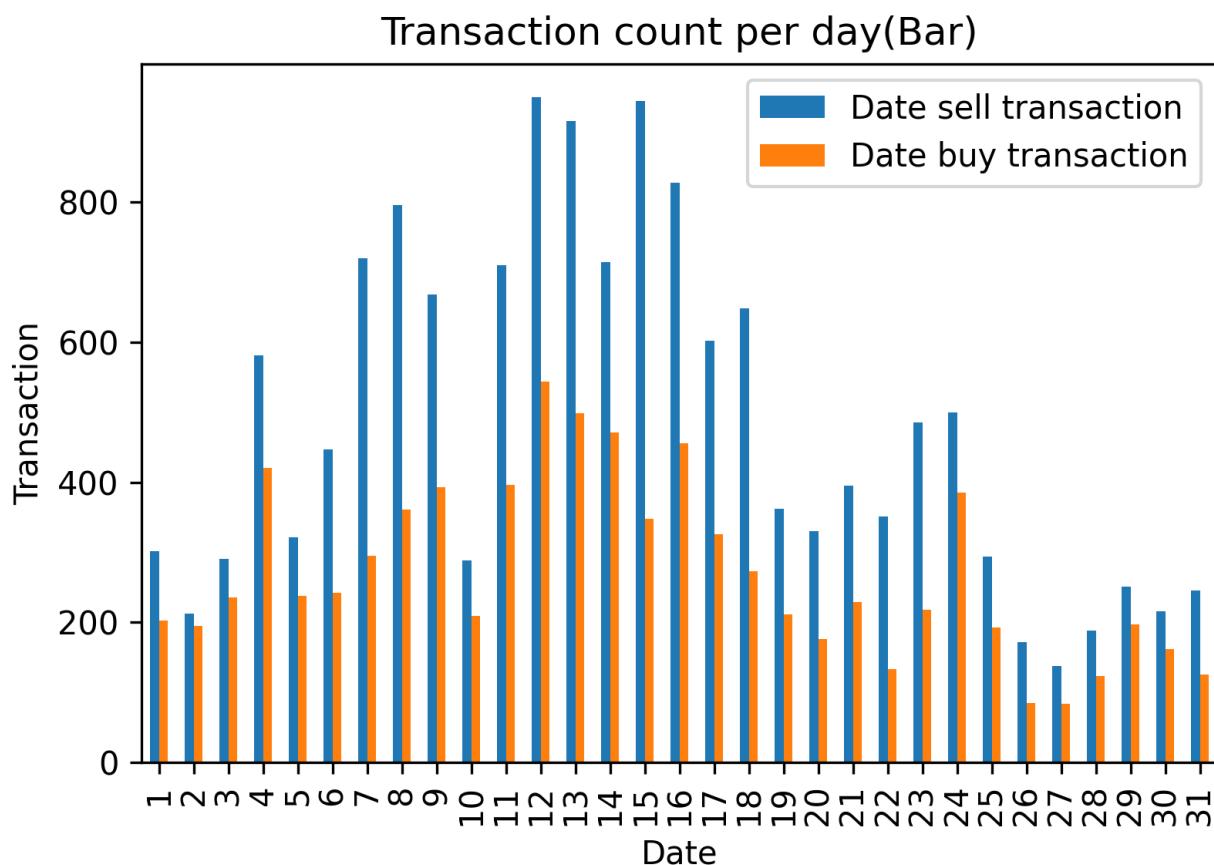




이런식으로 세가지 그래프를 그려보았으나 bar 그래프가 bar그래프가 제일 보기 좋아 보여 bar 그래프만 첨부합니다.





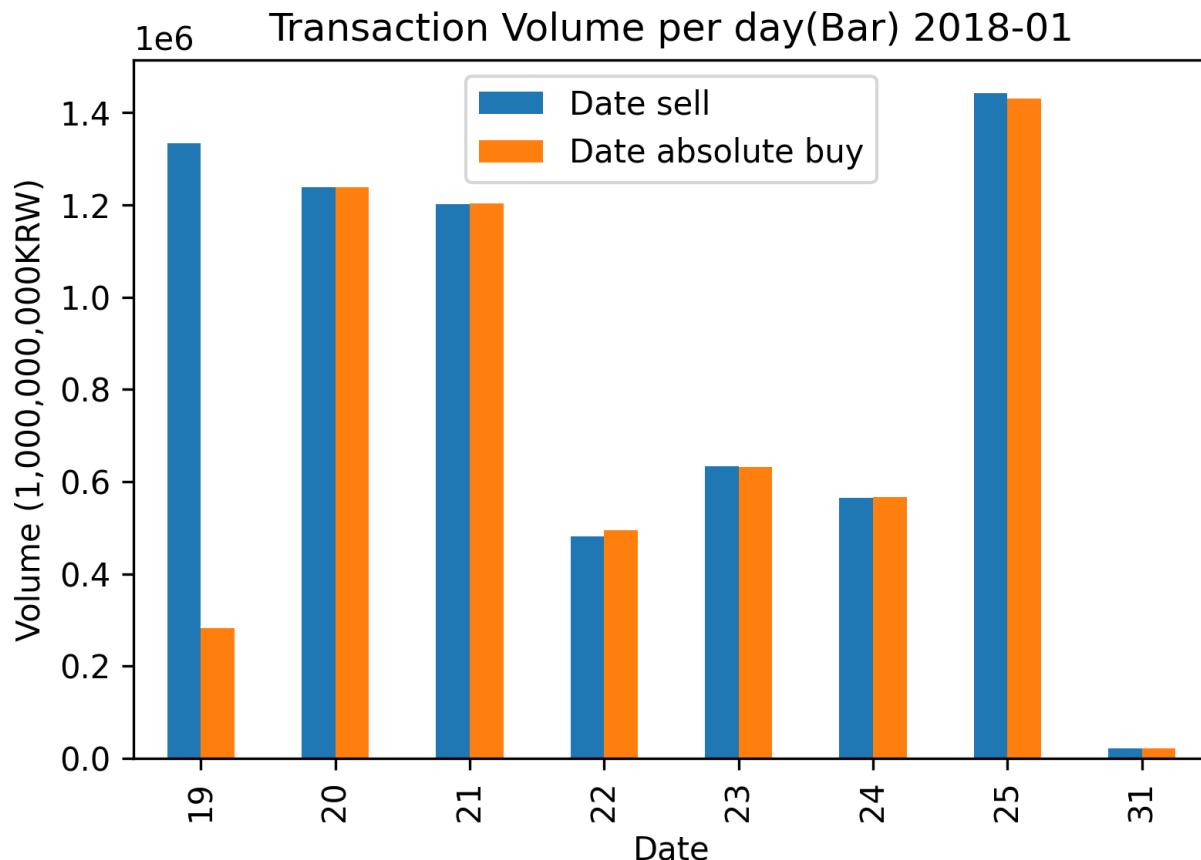


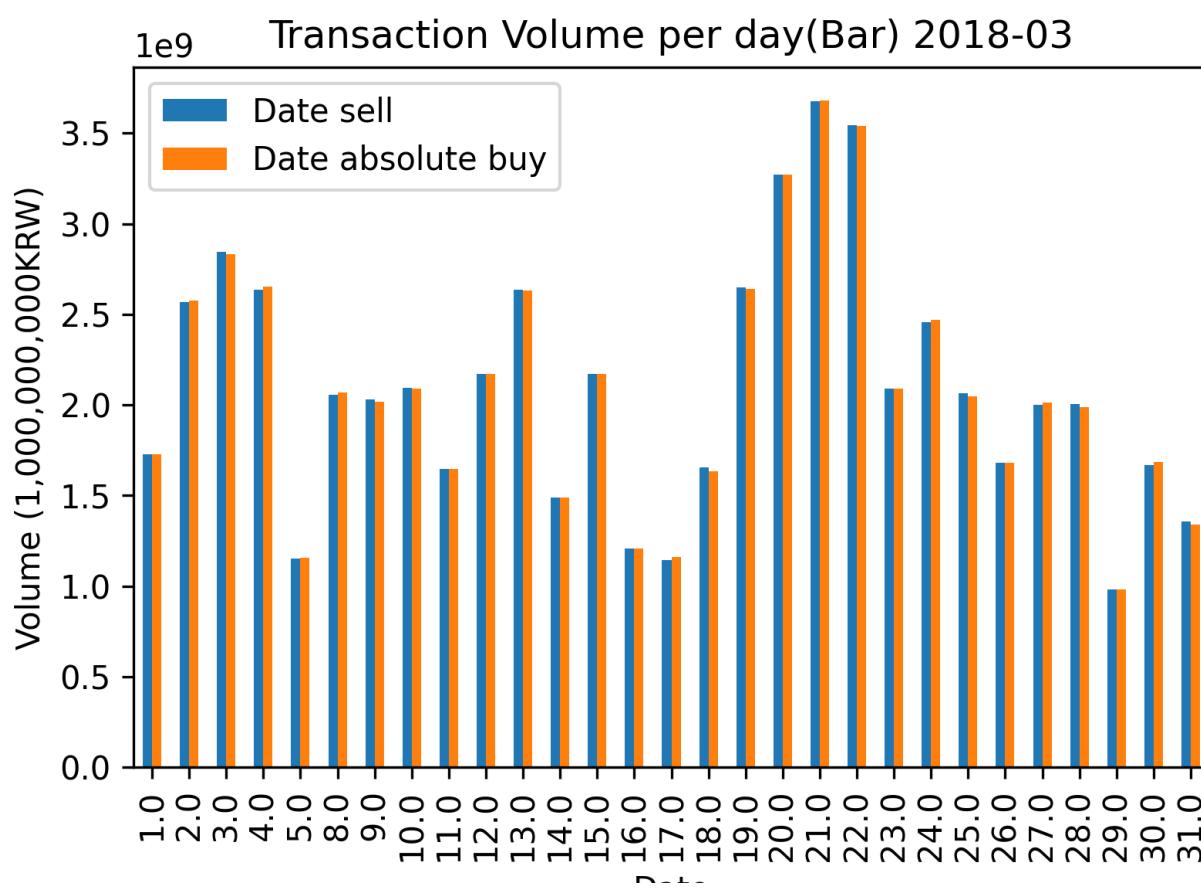
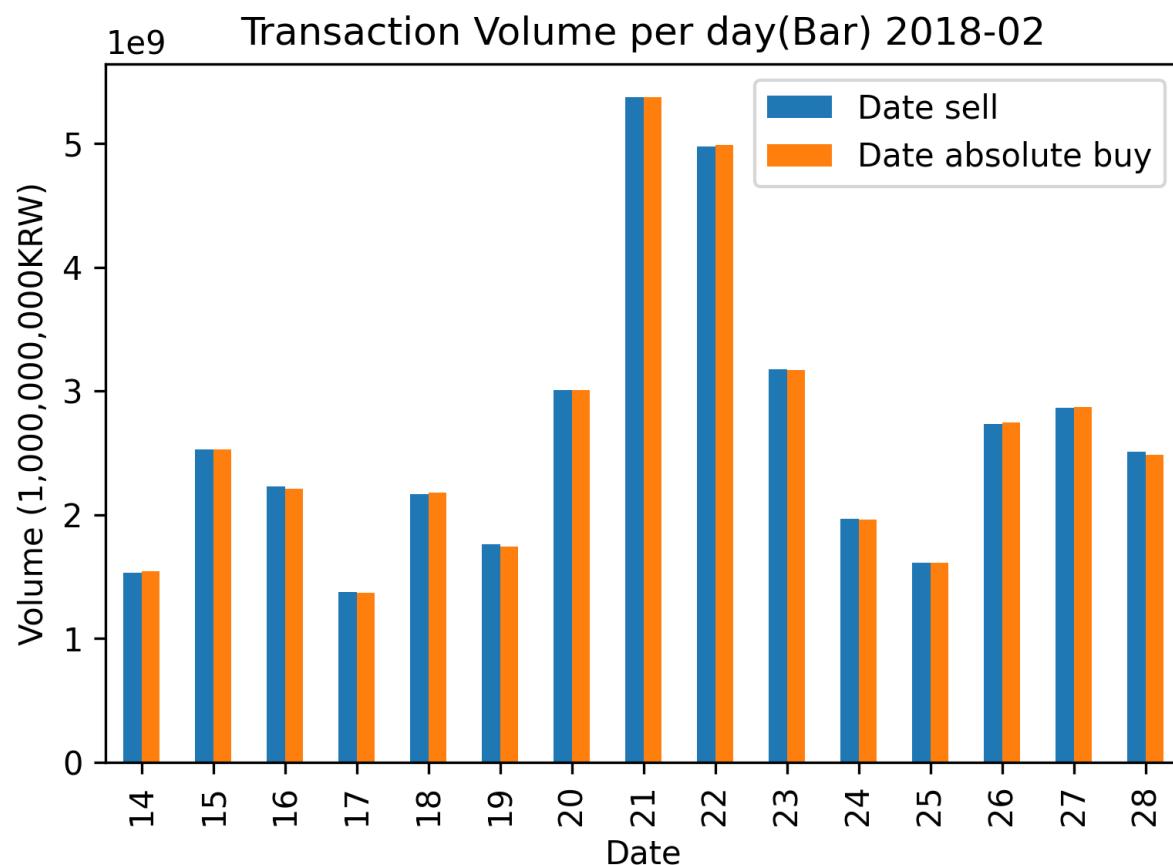
보통 한 번에 큰 양을 buy하여 작은 금액으로 여러번 sell 하기 때문에 sell의 transaction 수가 buy의 transaction 수보다 많은 경향을 띍니다.

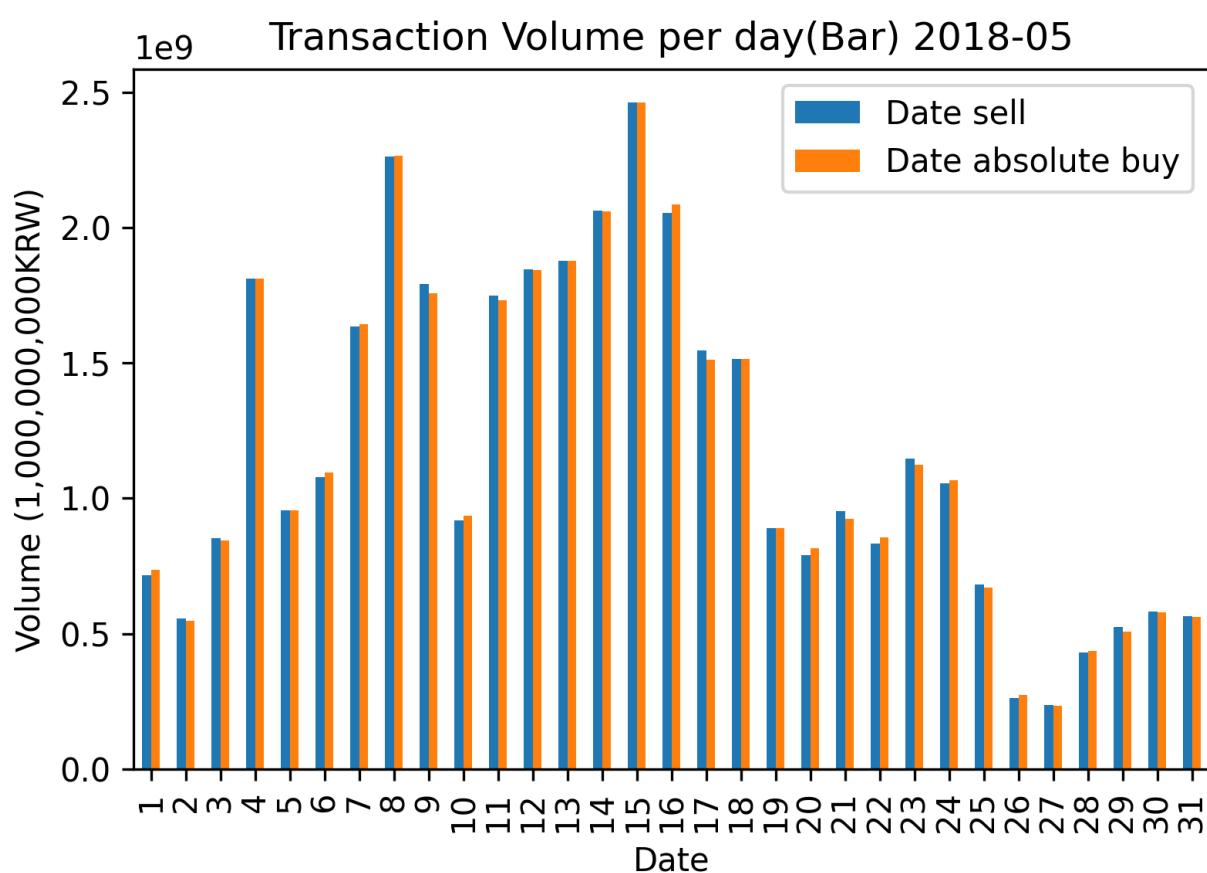
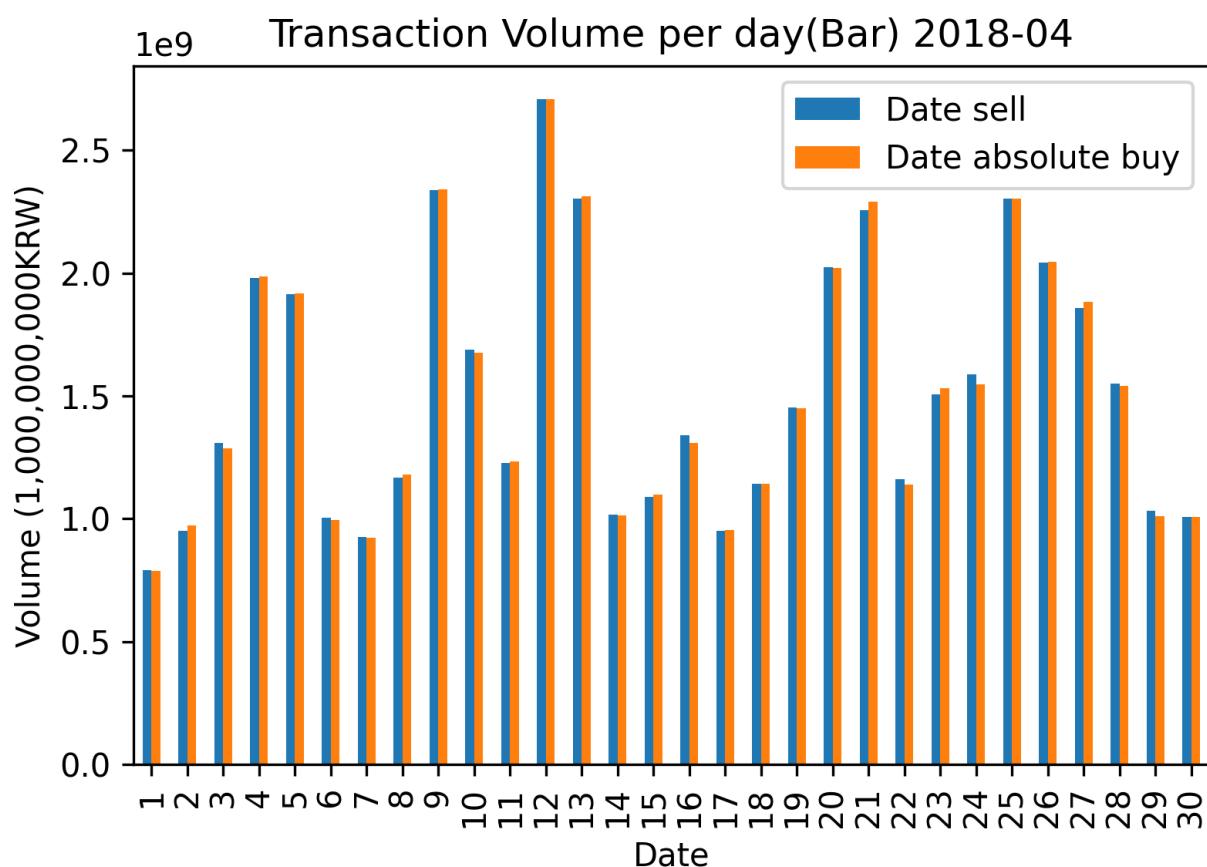
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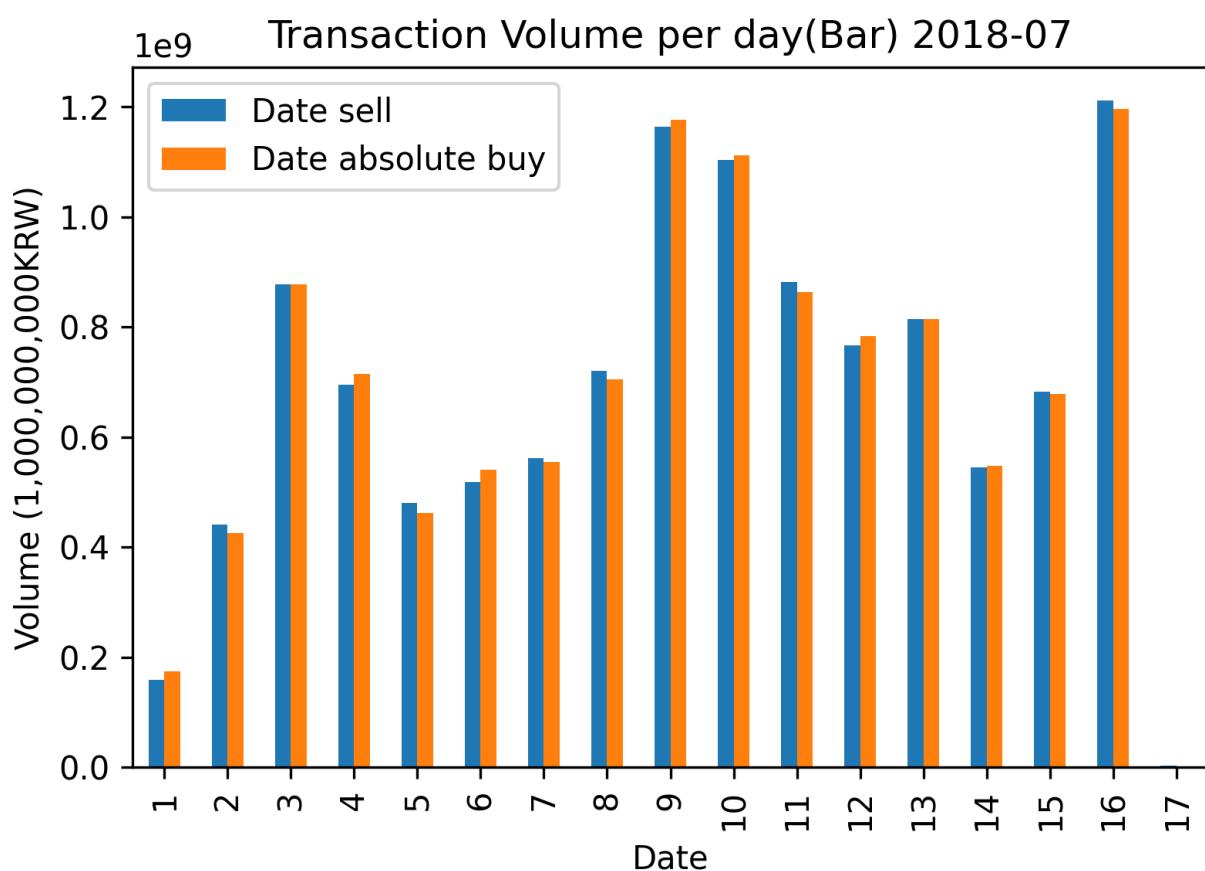
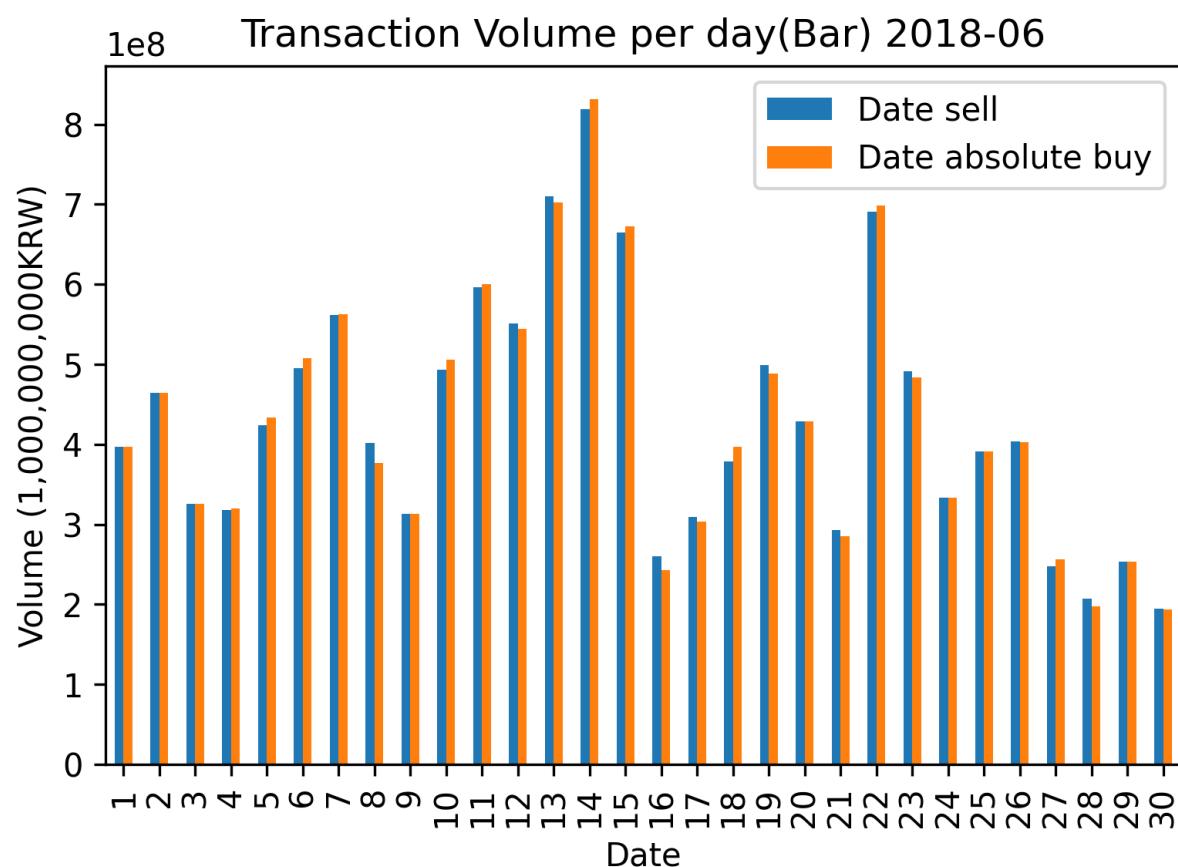
## 각 달 별 하루 sell, buy, volume

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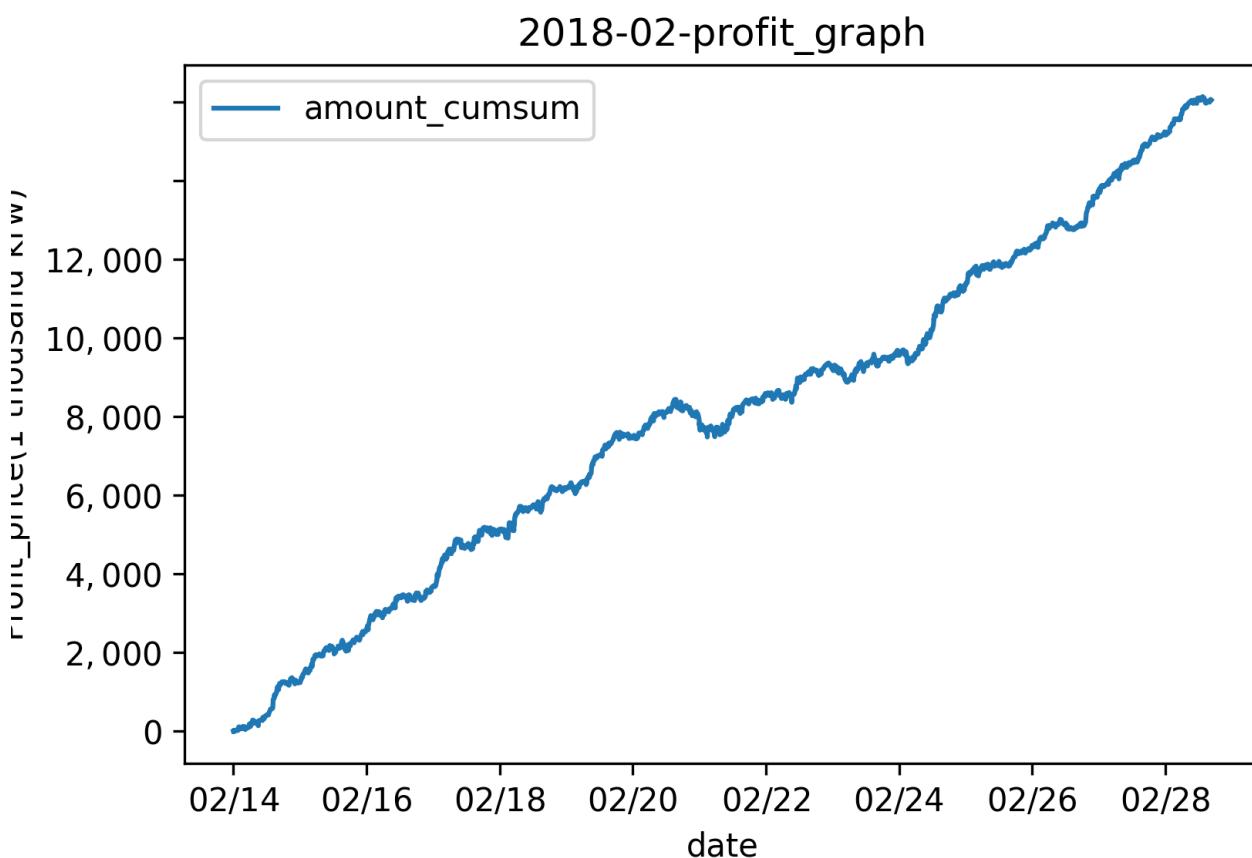




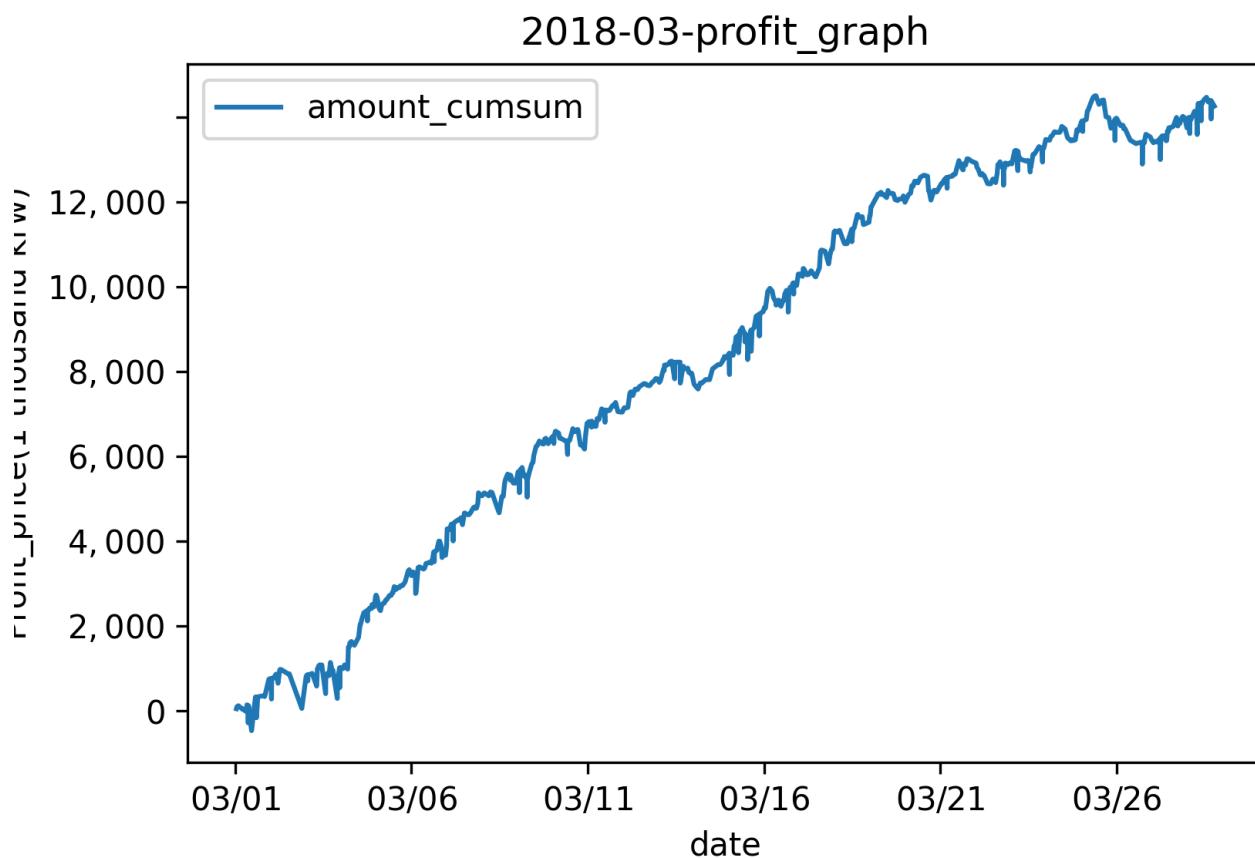


Date	Feb	Mar	Apr	May	Jun	Jul
Profit(KRW)	20,057,445	3,562,946	23,967,448	11,999,306	4,513,842	494,149Buy Cnt
Sell Cnt	7,610	12,696	11,552	8,427	3,192	4,220
Buy (KRW)	39,797,858,457	60,657,579,097	45,609,884,185	36,622,277,210	12,912,680,246	11,622,096,132
Sell (KRW)	39,817,915,902	60,669,715,599	45,635,560,225	36,634,276,516	12,917,194,088	11,622,590,281

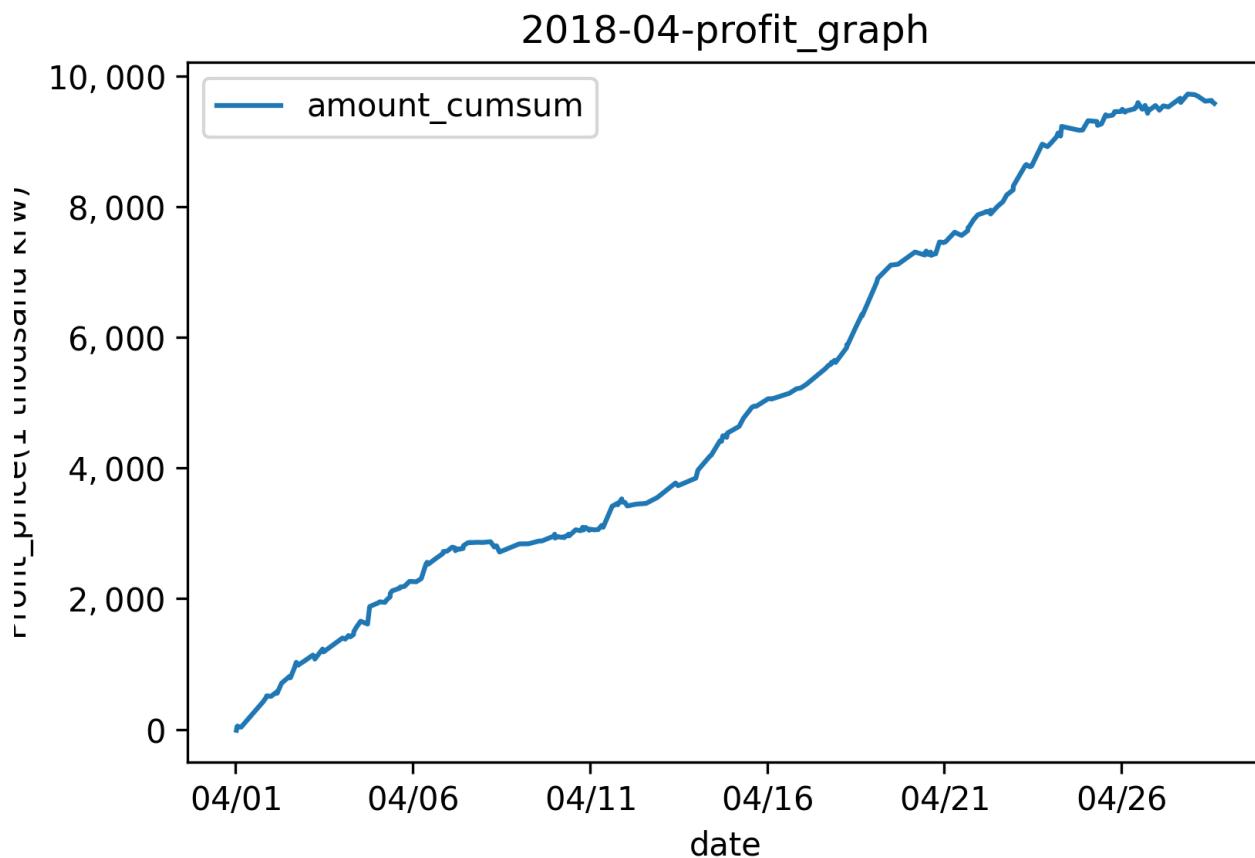
### Bithumb February Profit Graph



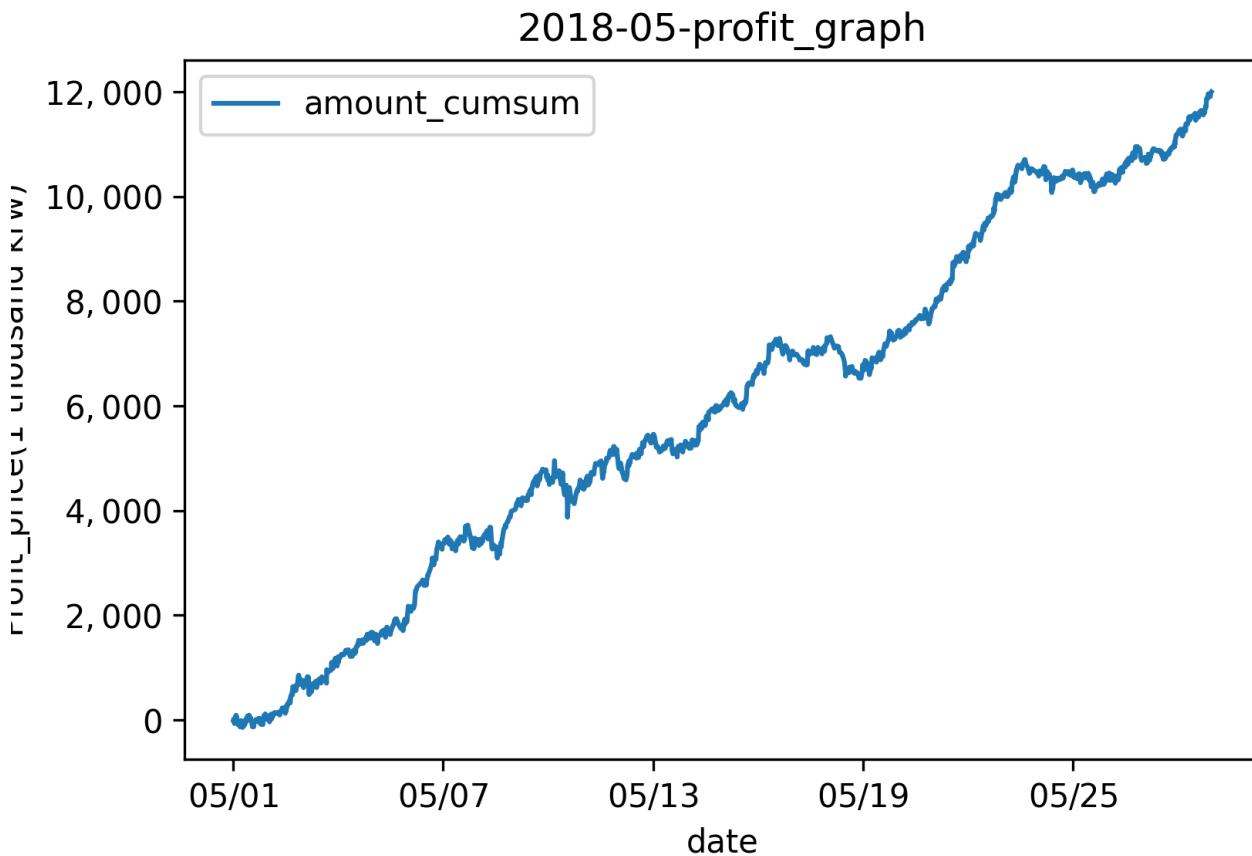
### Bithumb March Profit Graph



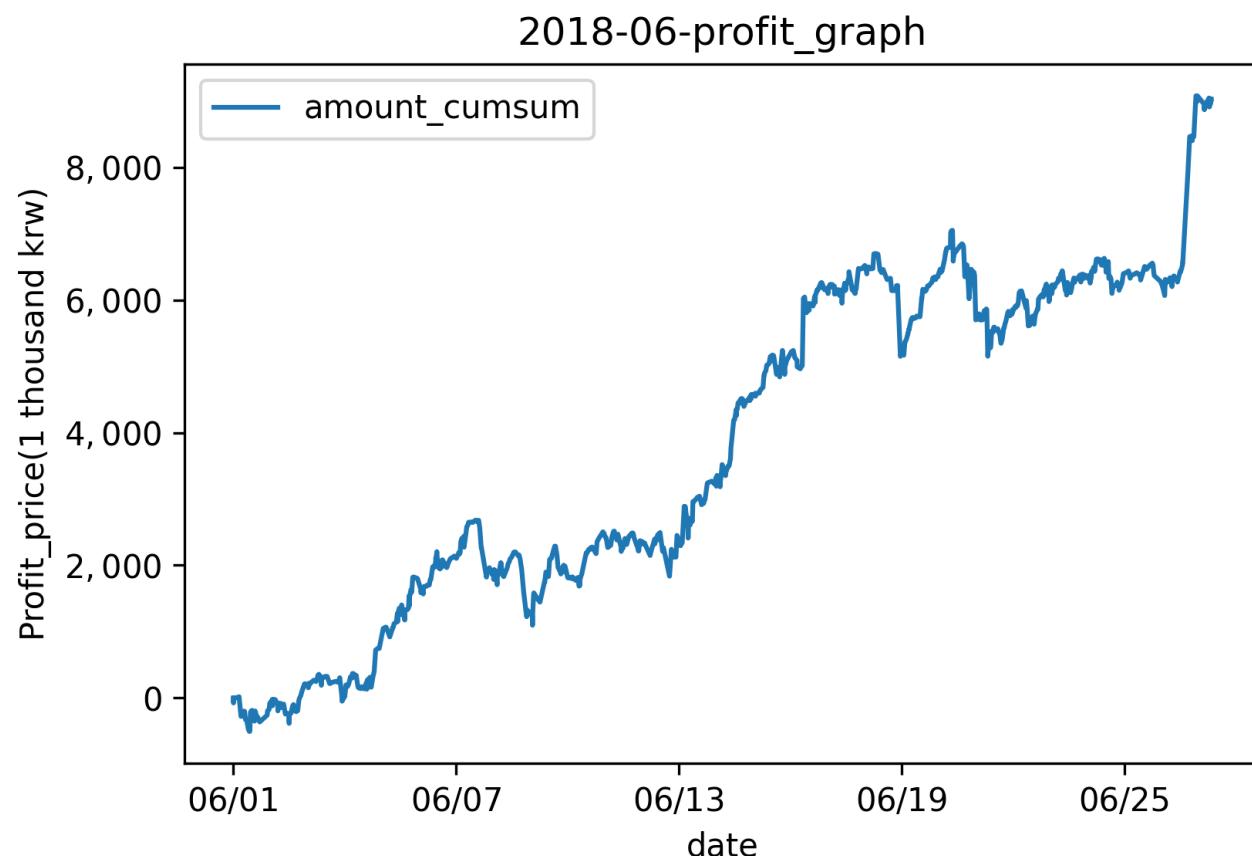
Bithumb April Profit Graph



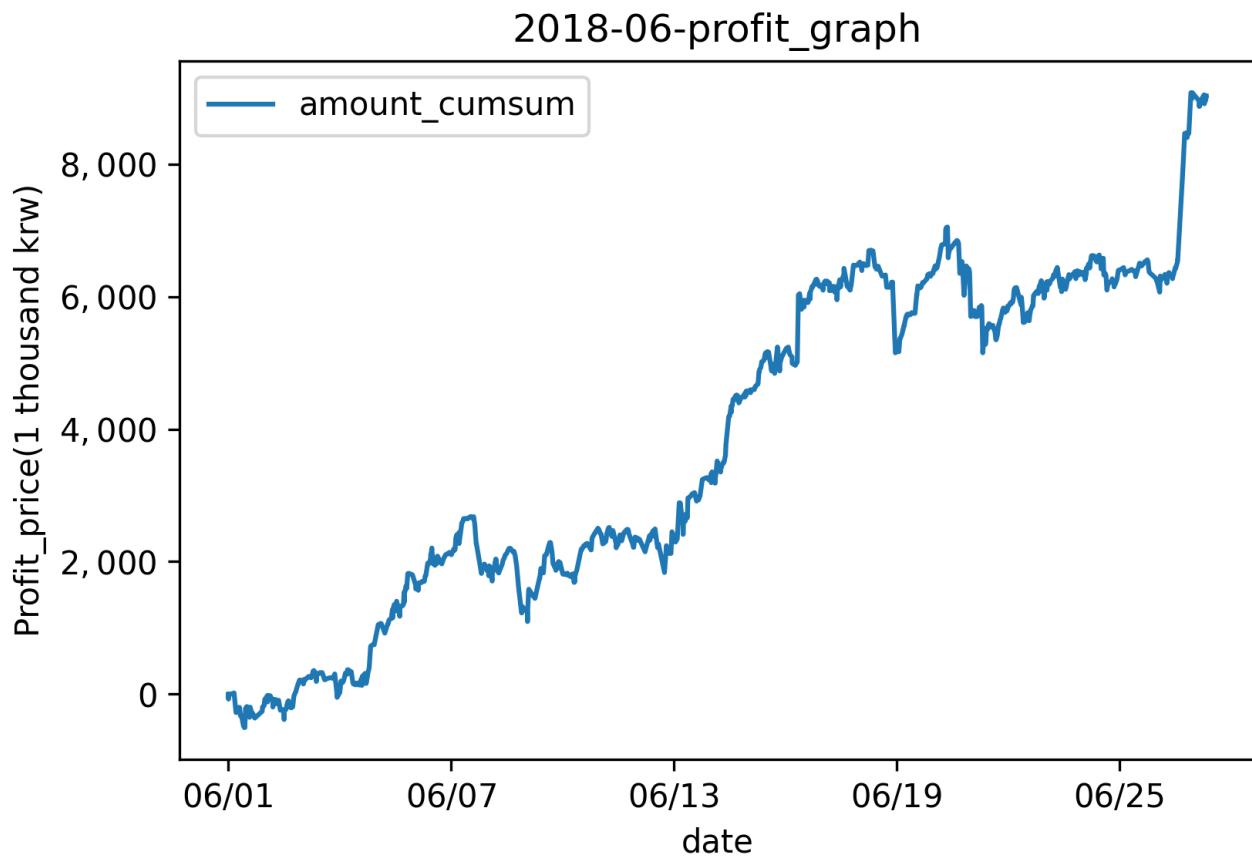
## Bithumb May Profit Graph



## Bithumb June Profit Graph



## Bithumb July Profit Graph



## Profit Point extraction

- Number of points to calculate the profit according to different standard for the total amount having
- 0.01 means holding less than 100,000krw (Assume 1 bitcoin values 10,000,000krw)
- 0.01 means holding less than 10,000krw (Assume 1 bitcoin values 10,000,000krw)
- 0.01 means holding less than 1,000krw (Assume 1 bitcoin values 10,000,000krw)

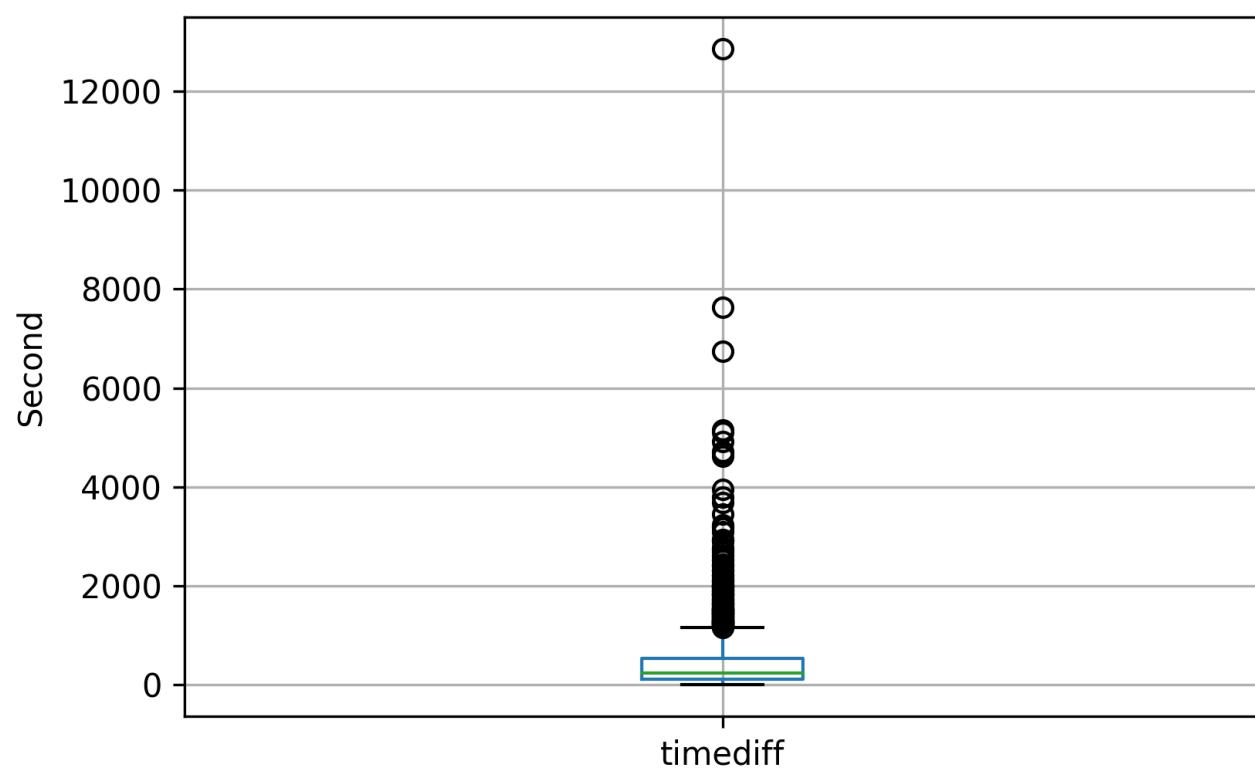
Owned	Jan	Feb	Mar	Apr	May	Jan	Jul
0.01	0	3159	835	266	2939	1248	941
0.001	0	2880	781	0	2438	1059	789
0.0001	0	2830	773	0	2358	1028	771

## Zero to Zero Time interval

- Hour:Minnute:Second
- By 0.01

Month	Min	Max	Mean
Feb	00:00:41	03:34:21	00:06:50
Mar	00:04:49	05:56:51	00:08:34
Apr	00:13:35	25:45:34	02:41:38
May	00:15:09	06:35:41	00:27:32
Jun	00:00:52	12:49:00	00:34:31
Jul	00:16:18	08:22:35	00:24:22

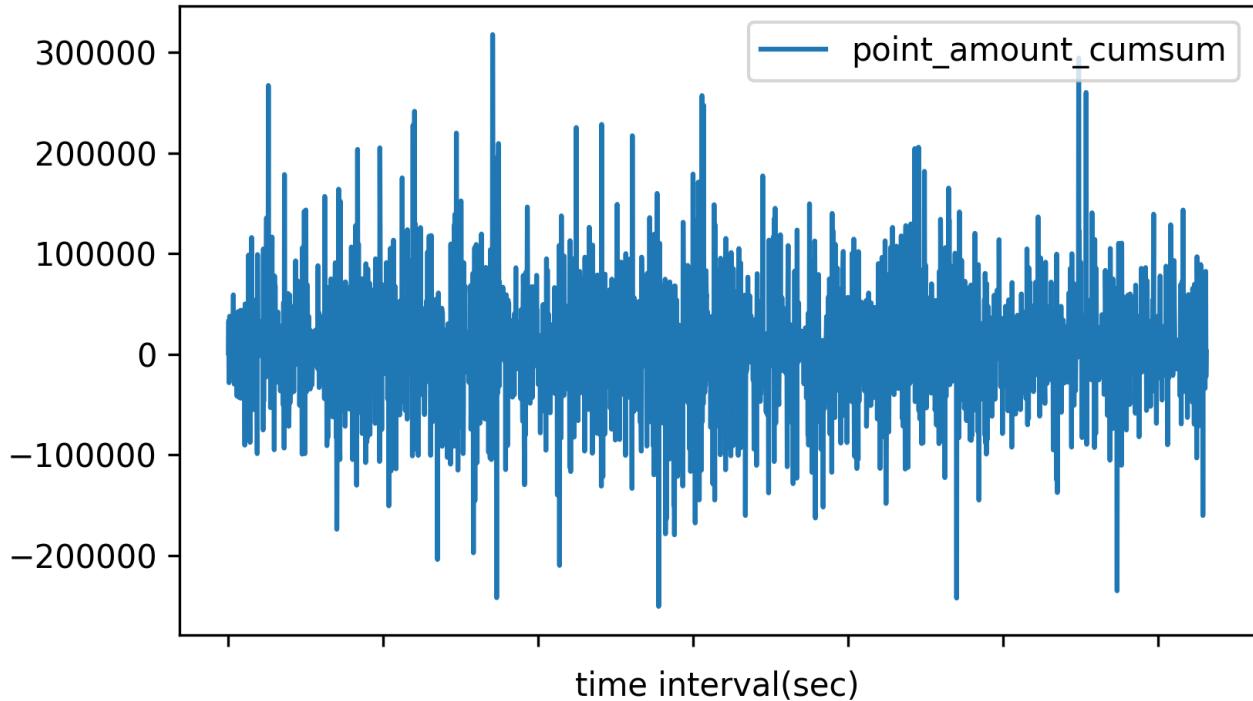
## February time interval graph



February time interval - profit graph.

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## February time interval-profit graph



- 다른 달도 있지만 큰 의미 없는 것 같아 생략하겠습니다. 필요하시면 말씀해 주세요!

## Summary By Month (Bithumb 2018)

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total trans	823	18367	33149	27790	23295	8779	9467	4016
Profit(KRW)	-	20,057,445	8,951,034	23,967,448	11,999,306	4,513,842	494,149	-
Point cumsum profit	-	2,385	-31,333	-89,836	8,336	56	27	-
Sell (KRW)	10,259,898	39,817,915,902	60,669,715,599	45,635,560,225	36,634,276,516	12,917,194,088	11,622,590,281	59,82,790,055
Buy (KRW)	7,375,346	39,797,858,457	60,657,579,097	45,609,884,185	36,622,277,210	12,912,680,246	11,622,096,132	5,966,645,458

## Summary By Month (Upbit 2018)

Date	Aug	Sep	Oct	Nov	Dec
Total trans	12,215	8,658	5,054	3,985	3,672
profit (KRW)	2,958,947	1,673,592	10,510	5,164,420	-683,606
Point cumsum profit	89,066	2,230	-175	34,094	-80,240
Sell (KRW)	10,694,677,228	6,606,541,721	2,966,715,367	2,502,762,133	1,849,349,267
Buy (KRW)	10,680,392,607	6,575,624,895	2,980,863,347	2,488,491,381	1,850,032,873

## Summary By Month (EOS 2018)

Date	Apr	May	Jun	Jul
Total trans	17,802	21,716	4,016	693

Date	Apr	May	Jun	Jul
Profit(KRW)	26,531,231	26,790,133	-	283,770
Point cumsum profit	458	-21,226	-	12,058
Sell (KRW)	31,134,212,201	36779974440	5,982,790,055	600,733,901
Buy (KRW)	31,127,884,338	36,755,751,094	5,966,645,458	600,450,131

## Summary By Month (Upbit 2019)

Date	Feb	May	June	July
Total trans	4,579	17,622	37,907	19,652
Profit(KRW)	-135,473	1,728,400	1,513,153	-2,666,093
Point cumsum profit	-60,390	56,242	-21,272	-185,752
Sell (KRW)	2,415,870,049	16,416,783,692	32,873,943,190	25,367,995,572
Buy (KRW)	2,416,005,522	16,415,055,292	32,879,246,140	25,364,586,093

## 각 달 별 요약 테이블

num of trans. : 트랜잭션 개수  
 num of buy trans. : 사는 트랜잭션 개수  
 num of sell trans. : 파는 트랜잭션 개수  
 cumsum\_profit : 누적 이윤  
 point\_cumsum\_profit : 구간별 이윤 (0이 되는 시점 사이)  
 positive amount : 번 금액(원화)  
 negative amount : 잃은 금액(원화)  
 coin of 1 tras. : 1트랜잭션 당 평균 코인 개수  
 coin of 1 buy trans. : 사는 1트랜잭션 당 평균 코인 개수  
 coin of 1 sell tras. : 파는 1트랜잭션 당 평균 코인 개수

## bithumb btc 2018.01 ~2018.07 요약 테이블

-	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07
num of trans.	823.0	18367.0	33149.0	27790.0	23295.0	877	877
num of buy trans.	409.0	10757.0	20453.0	16238.0	14868.0	558	558
num of sell trans.	414.0	7610.0	12696.0	11552.0	8427.0	319	319
cumsum_profit		20057445.0	3562946.0	23967448.0	11999306.0	451	451
point_cumsum_profit		2385.0	-31333.0	-89836.0	86556.0	56.	56.
positive amount	10259898.0	39817915902.0	60669715599.0	45635560225.0	36634276516.0	129	129
negative amount	-7375346.0	-39797858457.0	-60657579097.0	-45609884185.0	-36622277210.0	-12	-12
coin of 1 tras.	0.00136328227217497	0.36250535148636137	0.37065456331201546	0.3851542489899244	0.3291892953719682	0.3	0.3
coin of 1 buy trans.	0.0015694827139364305	0.30947920936599427	0.3003234156896299	0.32958421968530605	0.2578848746993543	0.3	0.3
coin of 1 sell tras.	-0.0011595721739130432	-0.4374596498817346	-0.48395662398629485	-0.463265929724723	-0.45499374850599267	-0.5	-0.5

## bithumb eos 2018.01 ~2018.07 요약 테이블

-	2018-04	2018-05	2018-06	2018-07
num of trans.	17802.0	21716.0	4016.0	693.0
num of buy trans.	9859.0	12457.0	2298.0	410.0
num of sell trans.	7943.0	9259.0	1718.0	283.0
cumsum_profit	26531231.0	26790133.0		283770.0
point_cumsum_profit	458.0	-21226.0		12058.0
positive amount	31134212201.0	36779974440.0	5982790055.0	600733901.0

-	2018-04	2018-05	2018-06	2018-07
negative amount	-31127884338.0	-36755751094.0	-5966645458.0	-600450131.0
coin of 1 tras.	184.68292993396418	195.54757809860467	210.3672099355204	177.17513437685426
coin of 1 buy trans.	166.6865564018795	170.439419884184	184.07707014768062	149.7345952864878
coin of 1 sell tras.	-207.0203649903437	-229.3279352513252	-245.53294988456344	-216.92997899540634

### upbit btc 2018.07 ~2018.12 요약 테이블

-	2018-07	2018-08	2018-09	2018-10	2018-11	2018-
num of trans.	19145.0	12215.0	8658.0	5054.0	3985.0	3672.0
num of buy trans.	11598.0	7745.0	4774.0	2759.0	2357.0	2081.0
num of sell trans.	7535.0	4461.0	3876.0	2294.0	1628.0	1589.0
cumsum_profit	400090.0	2958947.0	1673592.0	10510.0	5164420.0	-6836
point_cumsum_profit	6045.0	89066.0	2230.0	-175.0	34094.0	-8024
positive amount	13243152231.0	10694677228.0	6606541721.0	2966715367.0	2502762133.0	18493
negative amount	-13249752210.0	-10680392607.0	-6575624895.0	-2980863347.0	-2488491381.0	-1850
coin of 1 tras.	0.16271326027787936	0.23469482569381908	0.20259829090321088	0.15975957289275822	0.20465262590213298	0.2262
coin of 1 buy trans.	0.13426256674943957	0.1851311574306004	0.18413238545454544	0.14596319028271112	0.1734282433983878	0.1995
coin of 1 sell tras.	-0.2067641829754479	-0.32121866878278416	-0.22576057644994837	-0.17642216190061027	-0.24985893398648648	-0.261

### upbit btc 2019.02 요약 테이블

-	2019-02
num of trans.	4579.0
num of buy trans.	2604.0
num of sell trans.	1972.0
cumsum_profit	-135473.0
point_cumsum_profit	-60390.0
positive amount	2415870049.0
negative amount	-2416005522.0
coin of 1 tras.	0.24641927307927497
coin of 1 buy trans.	0.21665781338325651
coin of 1 sell tras.	-0.2860937653194726

### upbit btc 2019.05 ~2019.07 요약 테이블

-	2019-05	2019-06	2019-07
num of trans.	17622.0	37907.0	19652.0
num of buy trans.	10331.0	21414.0	11705.0
num of sell trans.	7276.0	16485.0	7945.0
cumsum_profit	1728400.0	1513153.0	-2666093.0
point_cumsum_profit	56242.0	-21272.0	-185752.0
positive amount	16416783692.0	32873943190.0	25367995572.0
negative amount	-16415055292.0	-32879246140.0	-25364586093.0
coin of 1 tras.	0.19526902352286915	0.13933743088849024	0.19451098149704865
coin of 1 buy trans.	0.1665390896253993	0.12331593064583918	0.16330709716445962

-	2019-05	2019-06	2019-07
coin of 1 sell tras.	-0.23646445811434855	-0.16021696413284808	-0.24053118137444934

## 분, 시간, 일 당 transaction 개수 테이블

### bithumb-2018-01-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	2	1.0072992700729928	1	2	1.0049140049140048	1	3	1.0564826700898589
hour	1	14	3.312	1	12	3.3252032520325203	1	26	6.0962962962962965
date	1	108	37.6363636363636363	1	109	45.444444444444444	1	217	68.58333333333333

### bithumb-2018-02-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	20	1.6979027219991076	1	14	1.8750217883911453	1	21	2.1767006399620765
hour	1	76	21.316526610644253	1	118	30.047486033519554	1	193	51.30446927374302
date	263	919	507.33333333333333	357	1293	717.13333333333333	688	2212	1224.4666666666666667

### bithumb-2018-03-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	28	1.7101293103448276	1	26	2.1219006120966903	1	29	2.231354334948842
hour	1	61	18.58857979502196	1	96	29.94582723279649	4	131	48.53440702781845
date	244	636	437.7931034482759	350	1179	705.2758620689655	613	1782	1143.0689655172414

### bithumb-2018-04-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	40	1.8620245003223728	1	24	2.1346128565794658	1	40	2.3081395348837206
hour	1	117	16.385815602836875	1	121	22.93502824858757	2	208	39.196050775740474
date	202	745	385.0666666666666666	336	931	541.266666666666667	538	1600	926.333333333333

### bithumb-2018-05-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	44	1.7148962148962148	1	32	2.017915309446254	1	44	2.099026851684988
hour	1	73	11.802521008403364	1	129	20.535911602209946	1	198	31.954732510288068
date	1	544	263.34375	138	950	479.61290322580646	1	1494	727.96875

### bithumb-2018-06-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	18	1.4436906377204886	1	15	1.6971445929526123	1	19	1.6970809974869514
hour	1	42	5.5706806282722505	1	70	9.040453074433655	1	101	13.91283676703645
date	47	248	106.4	87	373	186.23333333333333	142	563	292.63333333333333

## bitumb-2018-07-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	28	1.829215431296056	1	27	1.9003984063745016	1	30	2.0706474190726163
hour	1	71	12.411764705882351	1	91	14.73876404494382	1	135	25.936986301369863
date	1	381	248.23529411764707	2	467	308.6470588235294	3	812	556.8823529411765

## bitumb-2018-04-eos-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	35	2.371044776119404	1	39	2.574151436031332	1	39	3.3374578177727785
hour	6	161	51.577922077922075	3	186	64.01948051948052	9	347	115.59740259740259
date	332	1753	1134.7142857142858	444	2043	1408.4285714285713	776	3796	2543.1428571428573

## bitumb-2018-05-eos-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	32	2.173474178403756	1	50	2.430634146341464	1	50	2.742265437555247
hour	1	103	19.57505285412262	1	111	26.225263157894734	1	195	45.526205450733755
date	67	1115	420.8636363636364	91	1464	566.2272727272727	173	2518	987.090909090909091

## bitumb-2018-06-eos-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	26	2.0698795180722893	1	13	2.1179723502304157	1	26	2.347165400350672
hour	1	62	10.16568047337278	1	78	12.7666666666666667	1	139	21.70810810810811
date	3	692	171.8	6	870	229.8	9	1562	401.6

## bitumb-2018-07-eos-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	7	1.4663212435233162	1	13	1.6666666666666667	1	13	1.65
hour	1	11	3.0760869565217392	1	16	4.183673469387755	1	25	6.537735849056604
date	32	65	47.1666666666666664	45	109	68.33333333333333	77	168	115.5

## upbit-2018-07-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	36	2.114790906539433	1	44	2.660091743119266	1	44	2.647994467496542
hour	1	92	12.558333333333335	1	139	18.82792207792208	1	176	30.583067092651763
date	3	699	251.1666666666666666	2	941	386.6	5	1640	638.1666666666666666

## upbit-2018-08-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	24	2.427094668117519	1	50	3.3528138528138527	1	50	3.1105169340463457
hour	1	80	9.761487964989056	1	146	15.459081836327345	1	202	23.22243346007605
date	42	522	185.875	87	984	322.7083333333333	129	1492	508.9583333333333

## upbit-2018-09-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	38	2.160535117056856	1	63	2.458290422245108	1	63	2.4395604395604398
hour	1	58	7.313207547169812	1	123	8.648550724637682	1	142	14.009708737864075
date	47	377	129.2	54	320	159.1333333333333	106	675	288.6

## upbit-2018-10-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	18	2.0911577028258894	1	60	2.605288007554297	1	60	2.4750244857982366
hour	1	108	5.792929292929293	1	92	6.680387409200969	1	200	10.128256513026052
date	2	373	74.0	2	430	89.0	18	803	163.03225806451613

## upbit-2018-11-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	15	1.99265605875153	1	45	2.663276836158192	1	45	2.479775980087118
hour	1	85	6.434782608695652	1	90	8.602189781021897	1	175	12.186544342507643
date	6	385	74.0	13	572	107.13636363636364	21	957	181.13636363636363

## upbit-2018-12-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	59	2.429663608562691	1	53	2.6045056320400497	1	59	2.848719937936385
hour	1	108	13.024590163934429	1	114	17.198347107438018	1	206	29.142857142857146
date	41	685	198.625	57	721	260.125	125	1406	459.0

## upbit-2019-02-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	161	5.005076142131982	1	196	4.126782884310618	1	196	4.730371900826446
hour	1	162	14.085714285714285	1	201	18.08333333333333	1	242	30.93918918918919
date	28	687	246.5	38	523	325.5	66	1006	572.375

## upbit-2019-05-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	160	2.985638079606073	1	173	3.5834200485605274	1	173	3.6590531561461783
hour	1	199	21.915662650602414	1	199	31.024024024024023	1	317	52.136094674556205

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
date	104	1156	454.75	223	1795	645.6875	327	2954	1101.375

### upbit-2019-06-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	155	3.8115606936416175	1	455	4.51676861421641	1	456	4.802609907512986
hour	1	350	27.429284525790354	1	749	34.538709677419355	1	914	58.408320493066256
date	76	2582	549.5	151	3228	713.8	229	5654	1263.5666666666666666

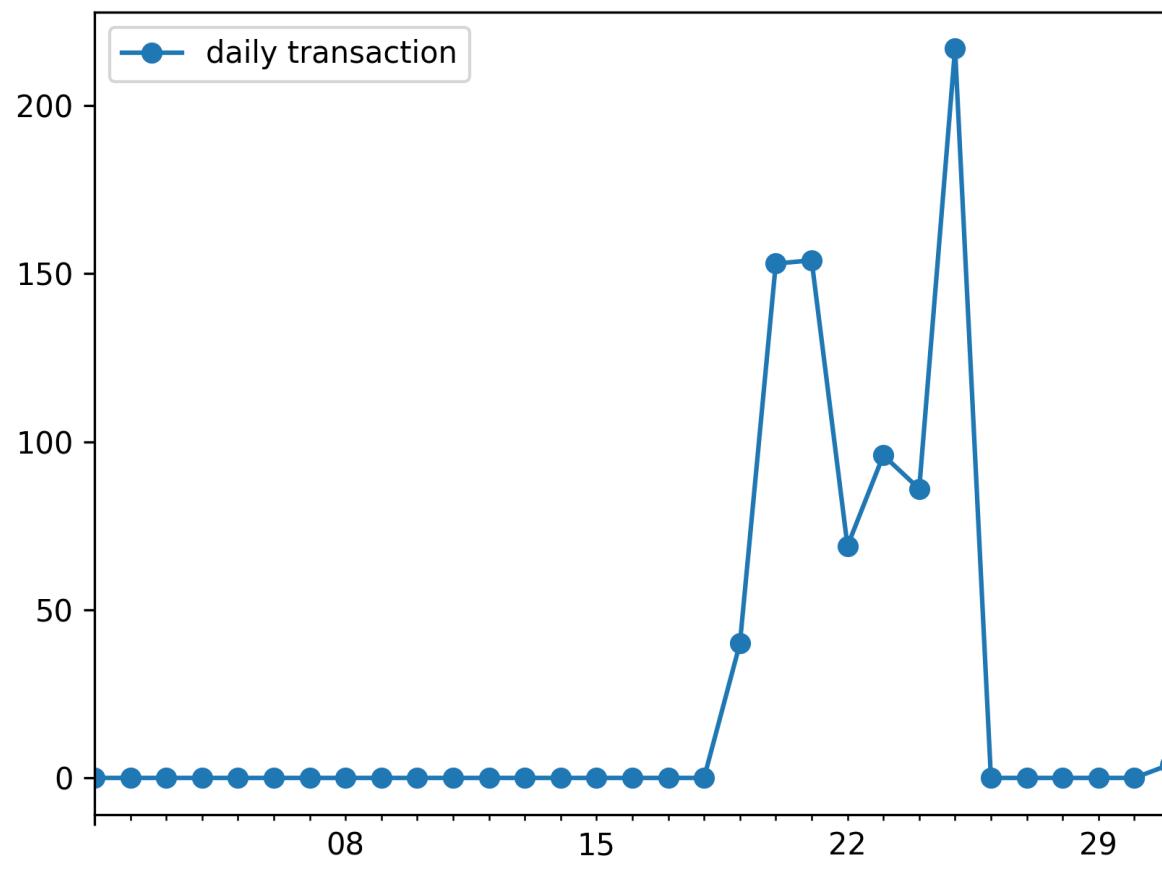
### upbit-2019-07-btc-TransactionTypeCounterPerMinuteHourDay

-	B_min	B_max	B_avg	S_min	S_max	S_avg	T_min	T_max	T_avg
minute	1	199	2.9404145077720205	1	26	3.336659064994299	1	199	3.483779471724872
hour	1	199	17.38512035010941	1	149	24.385416666666667	1	211	39.781376518218615
date	1	715	294.25925925925924	4	1740	450.1923076923077	1	2283	727.8518518518518

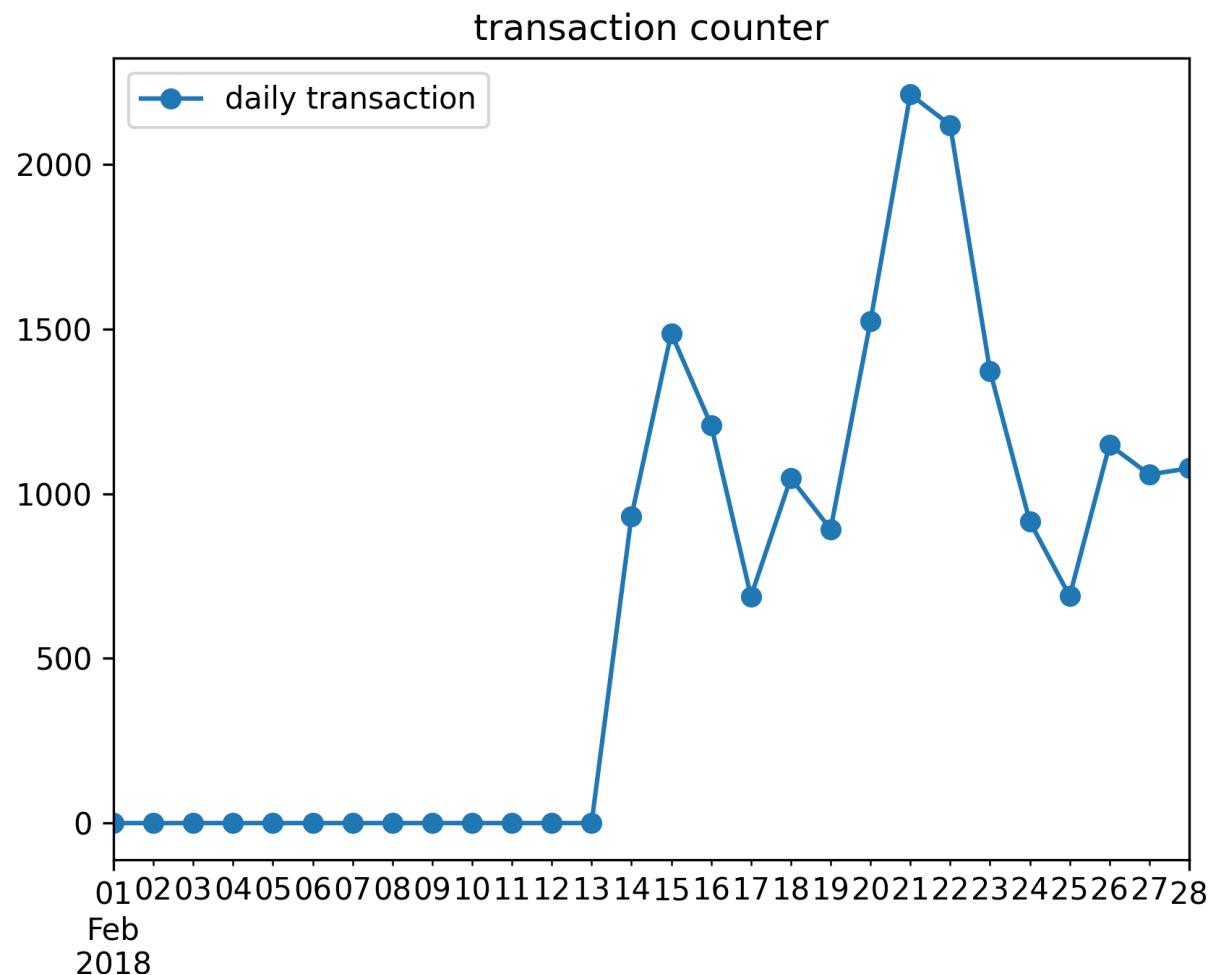
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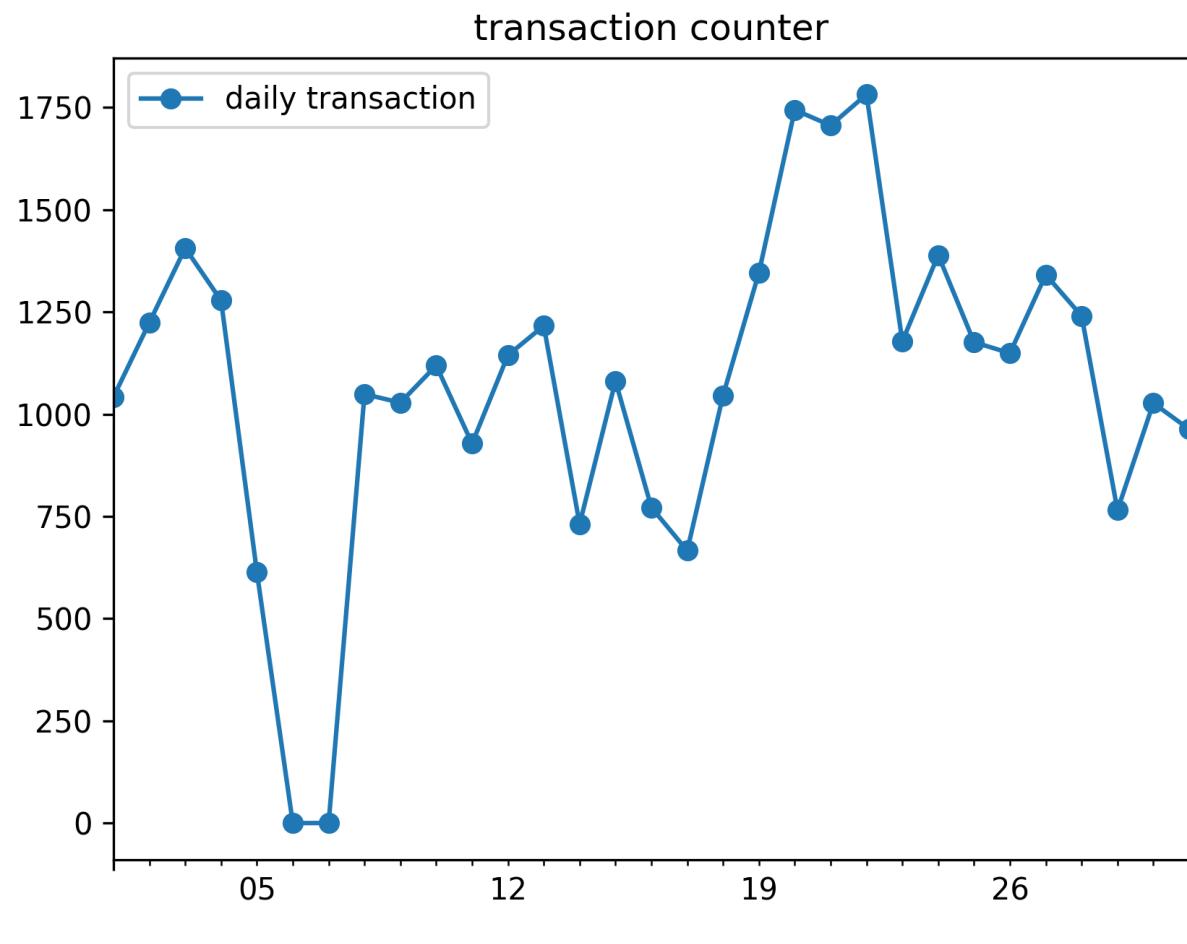
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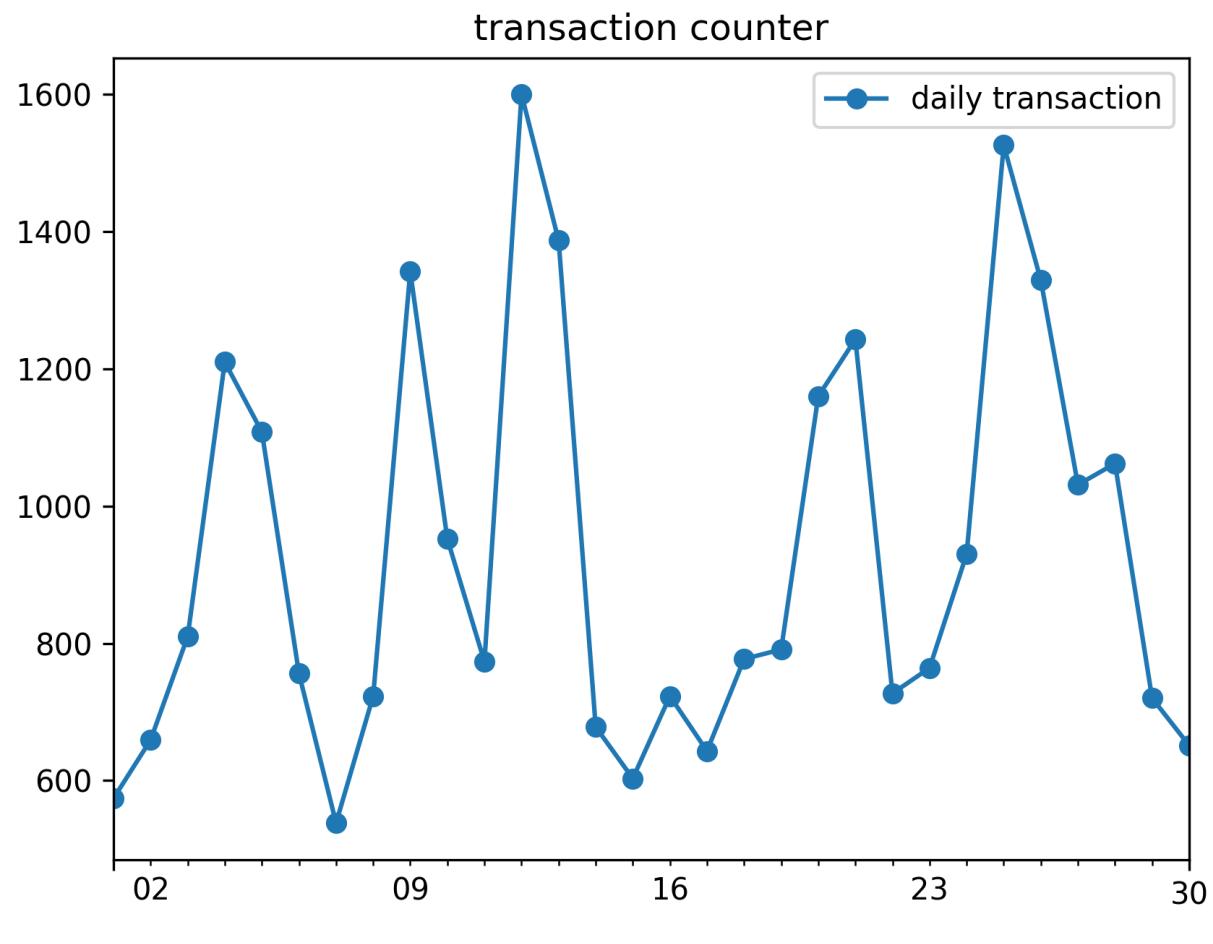


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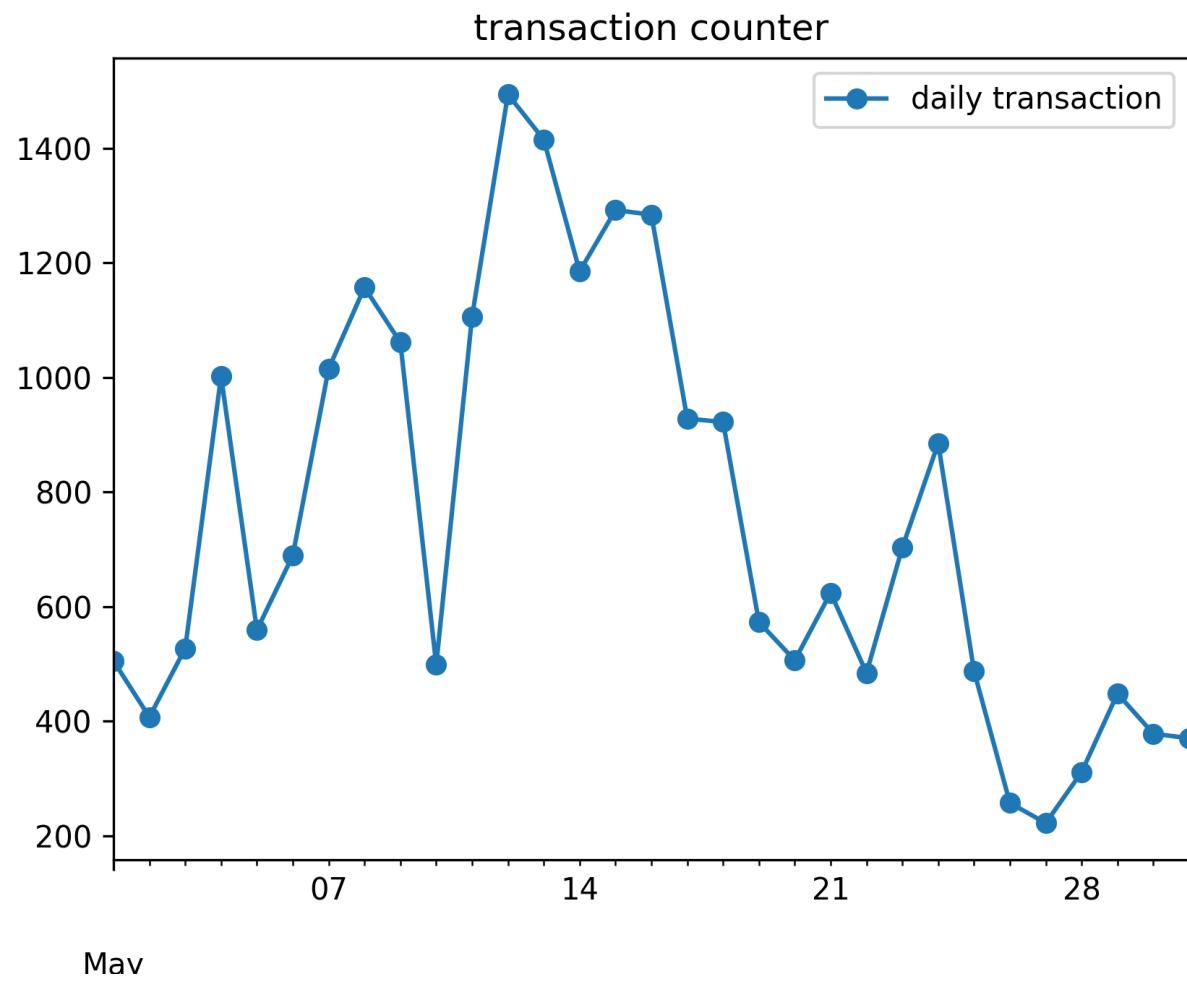
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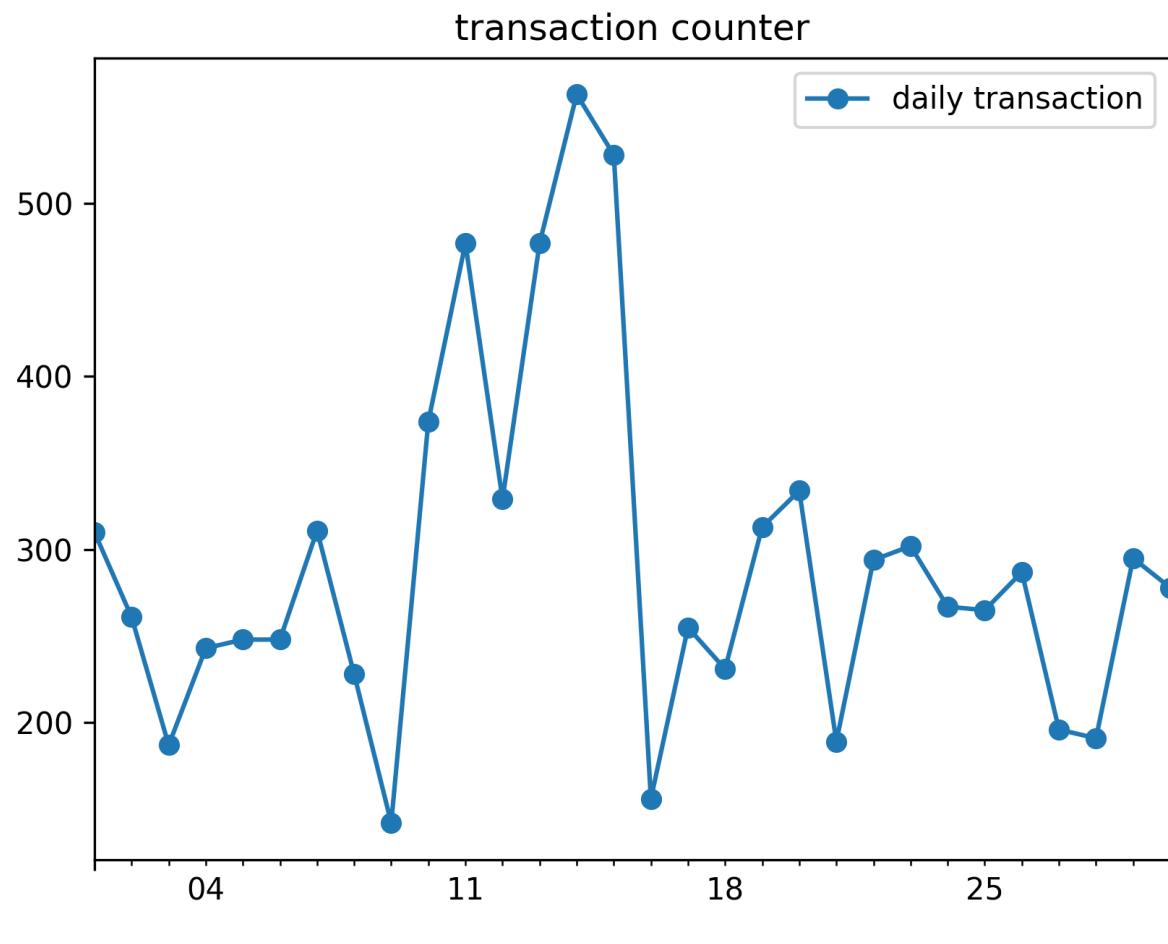


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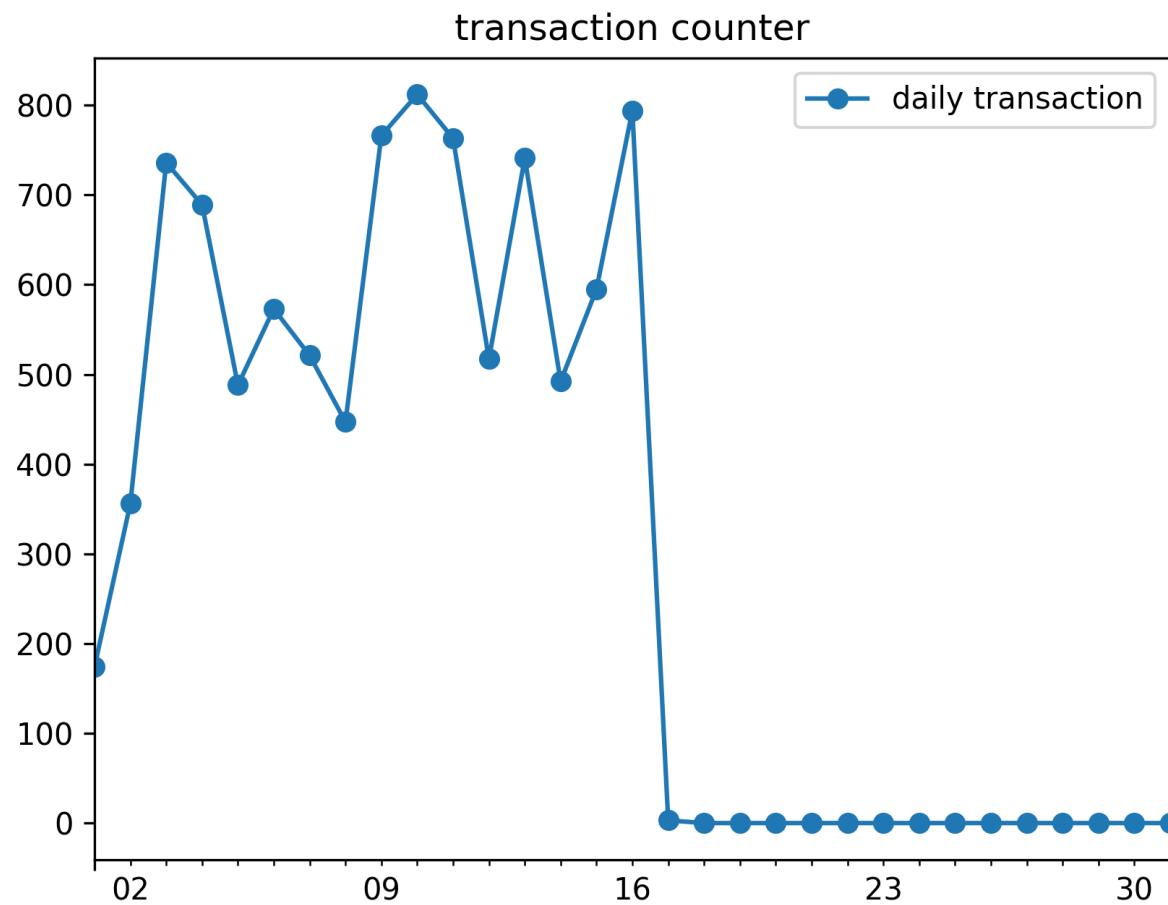


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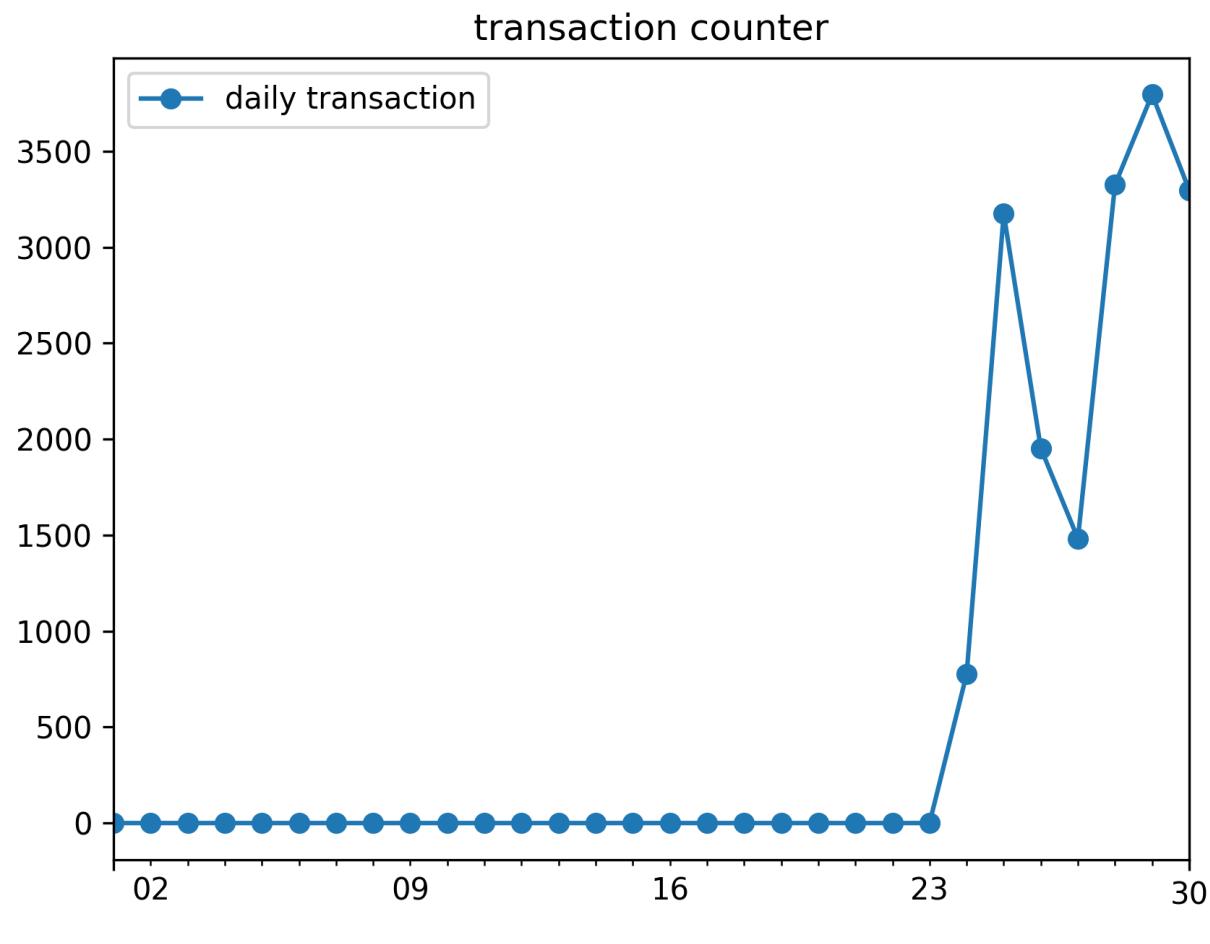
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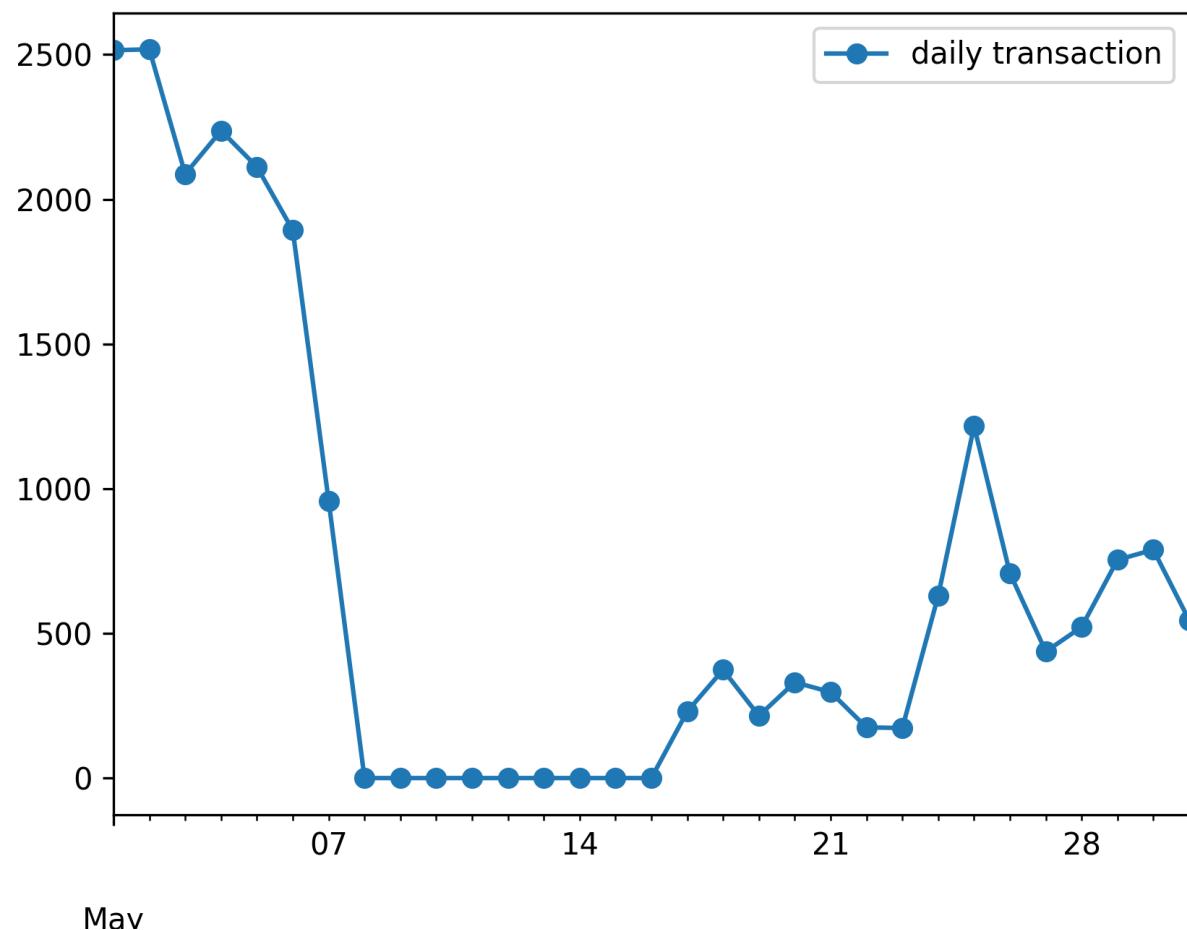
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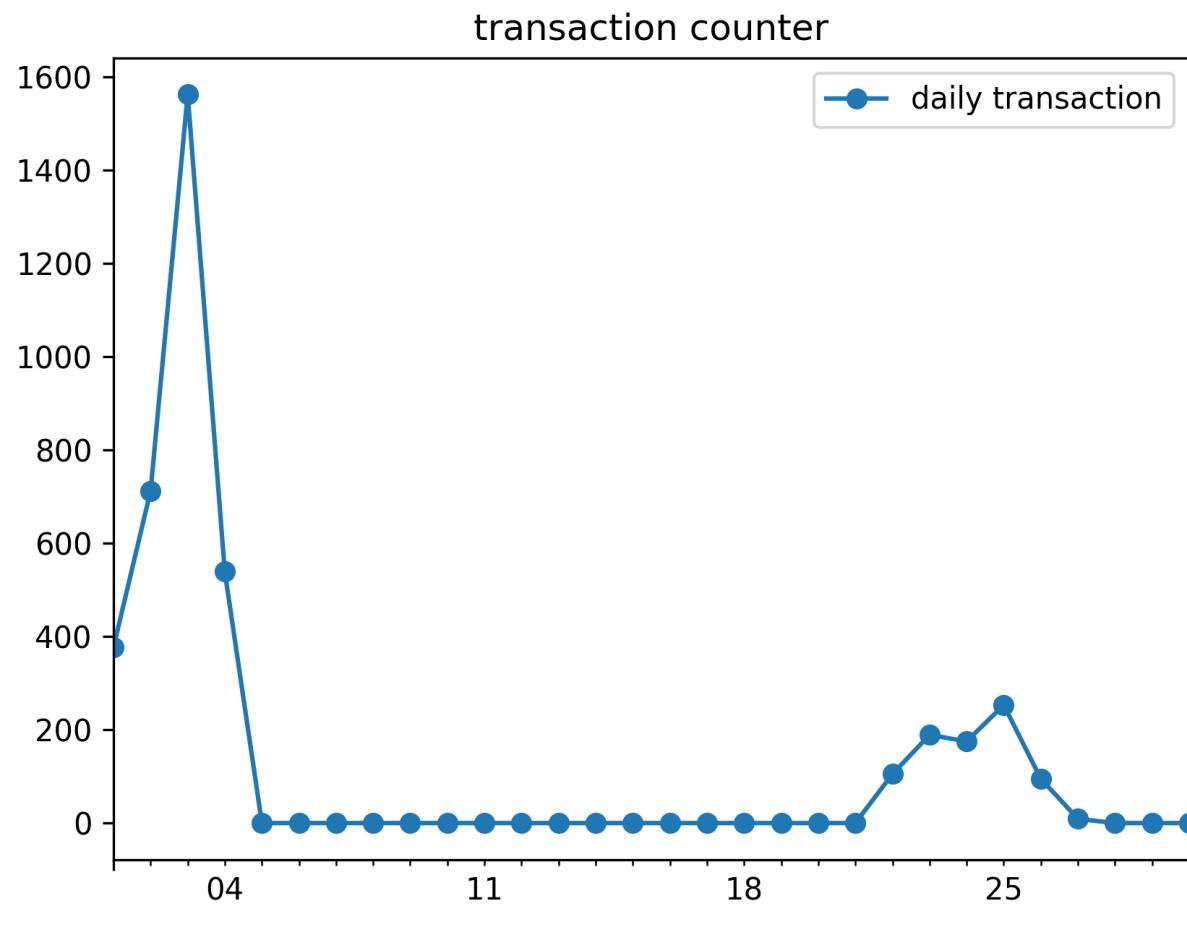
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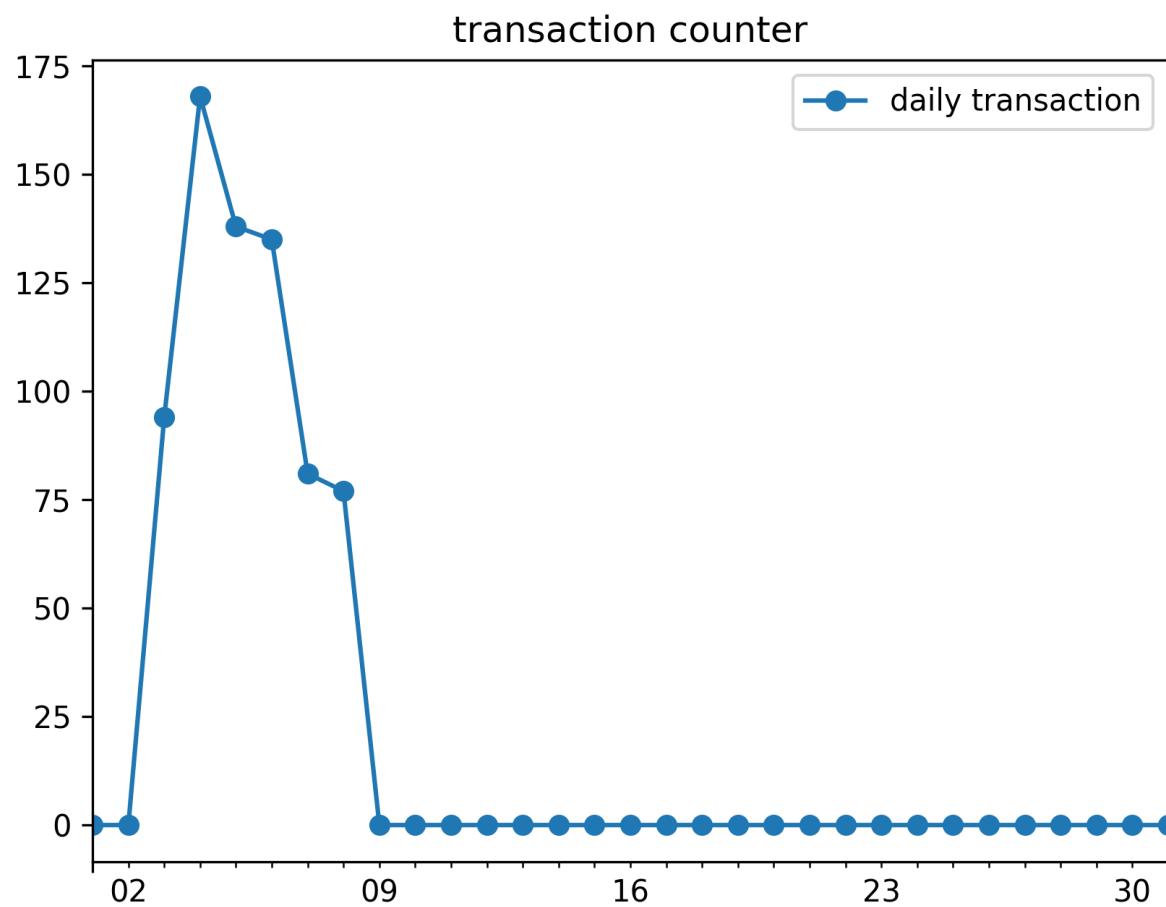
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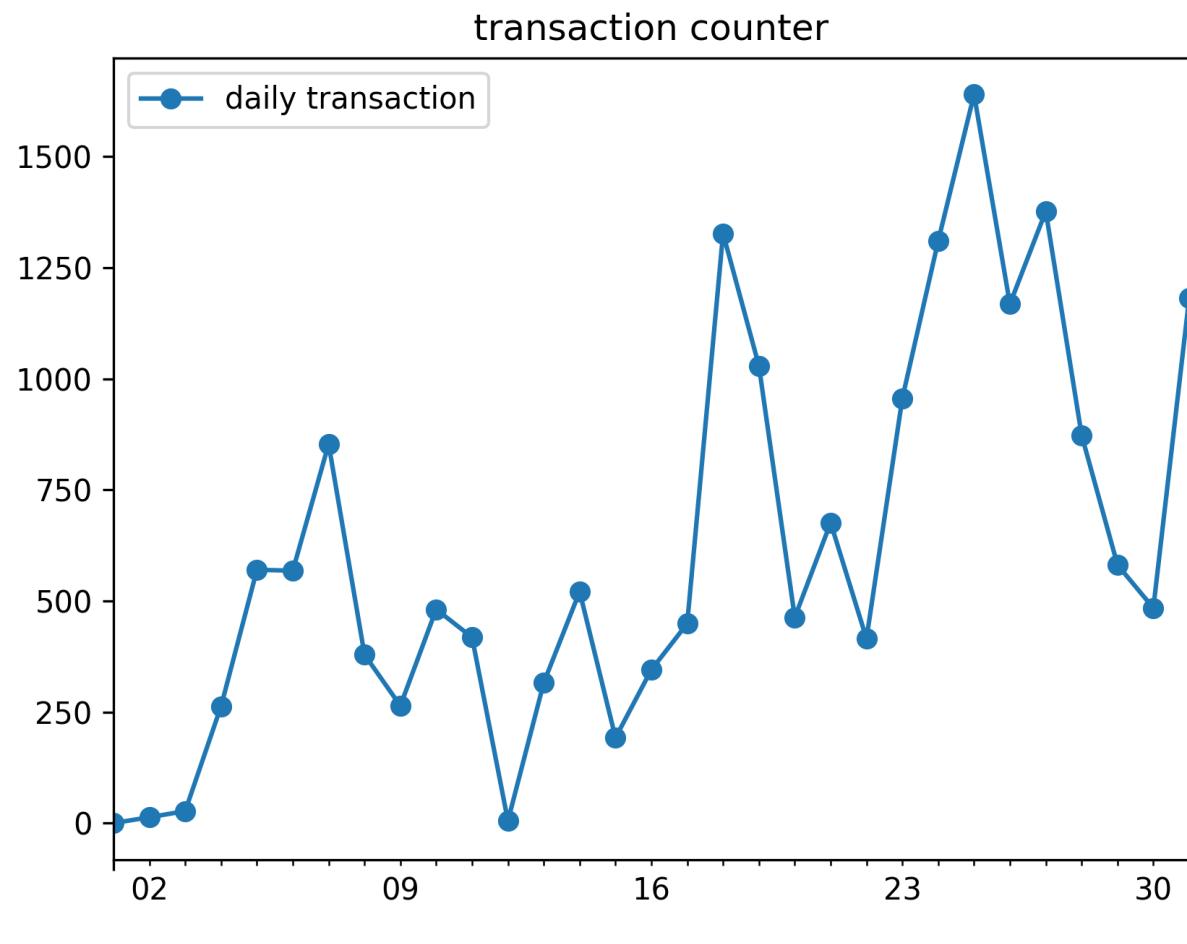
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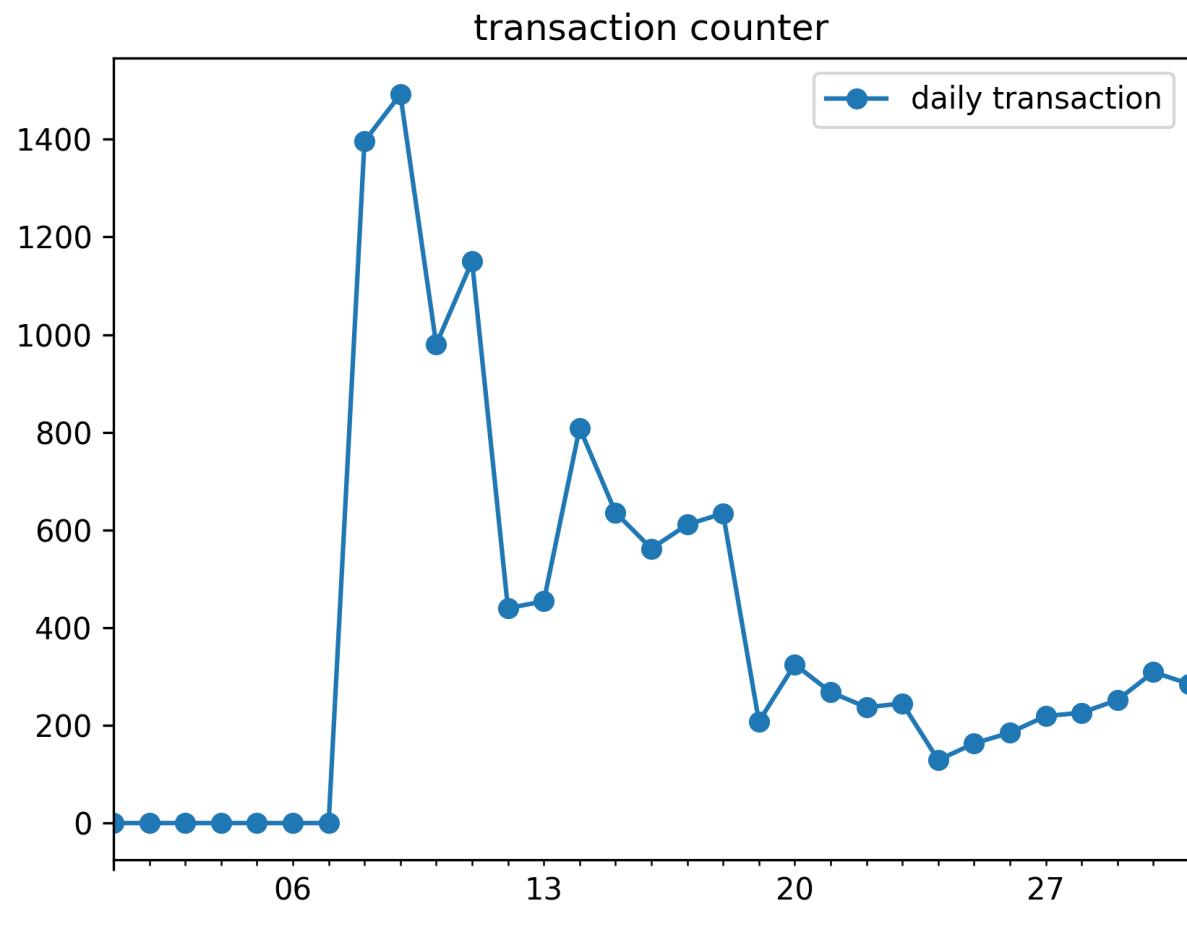
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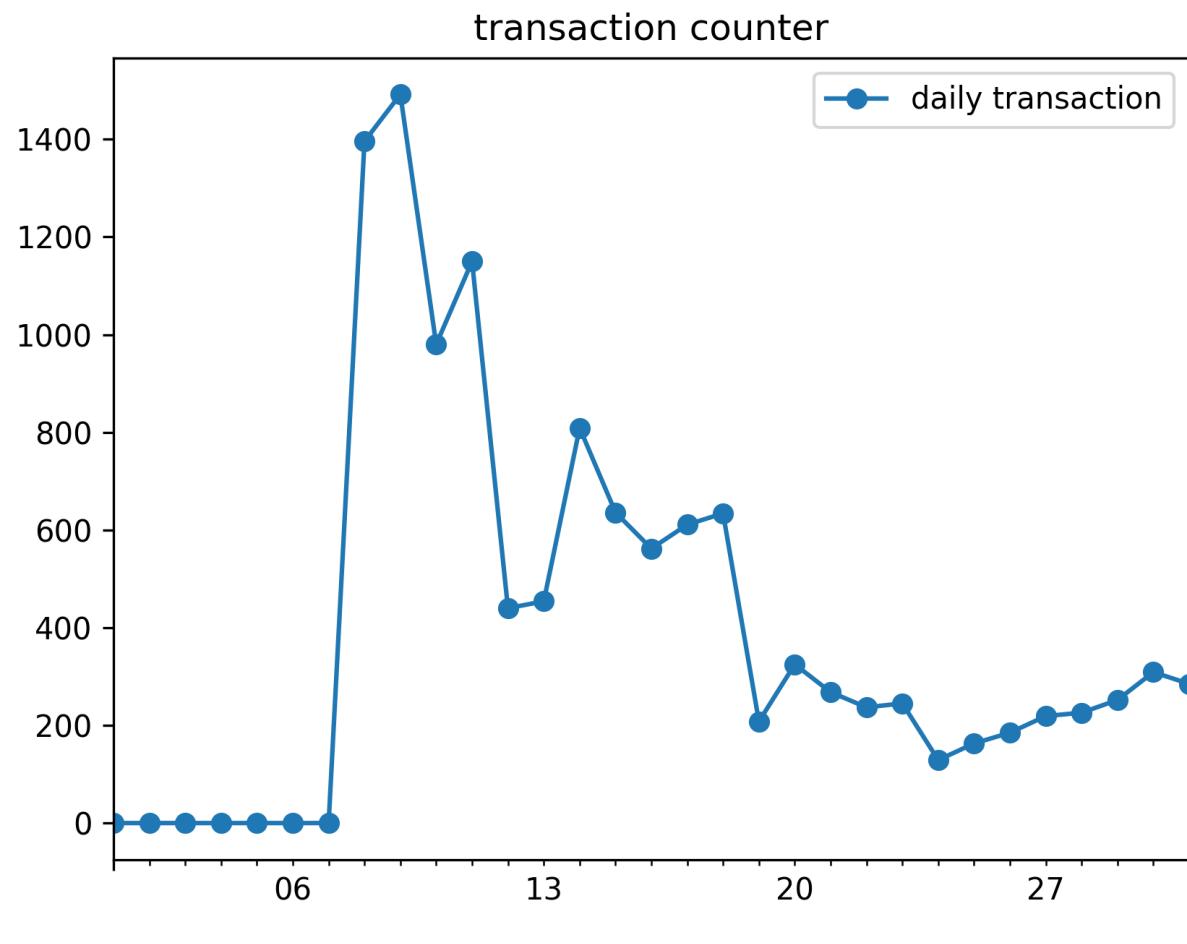
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upbit-2018-08-btc-transaction\_counter.png



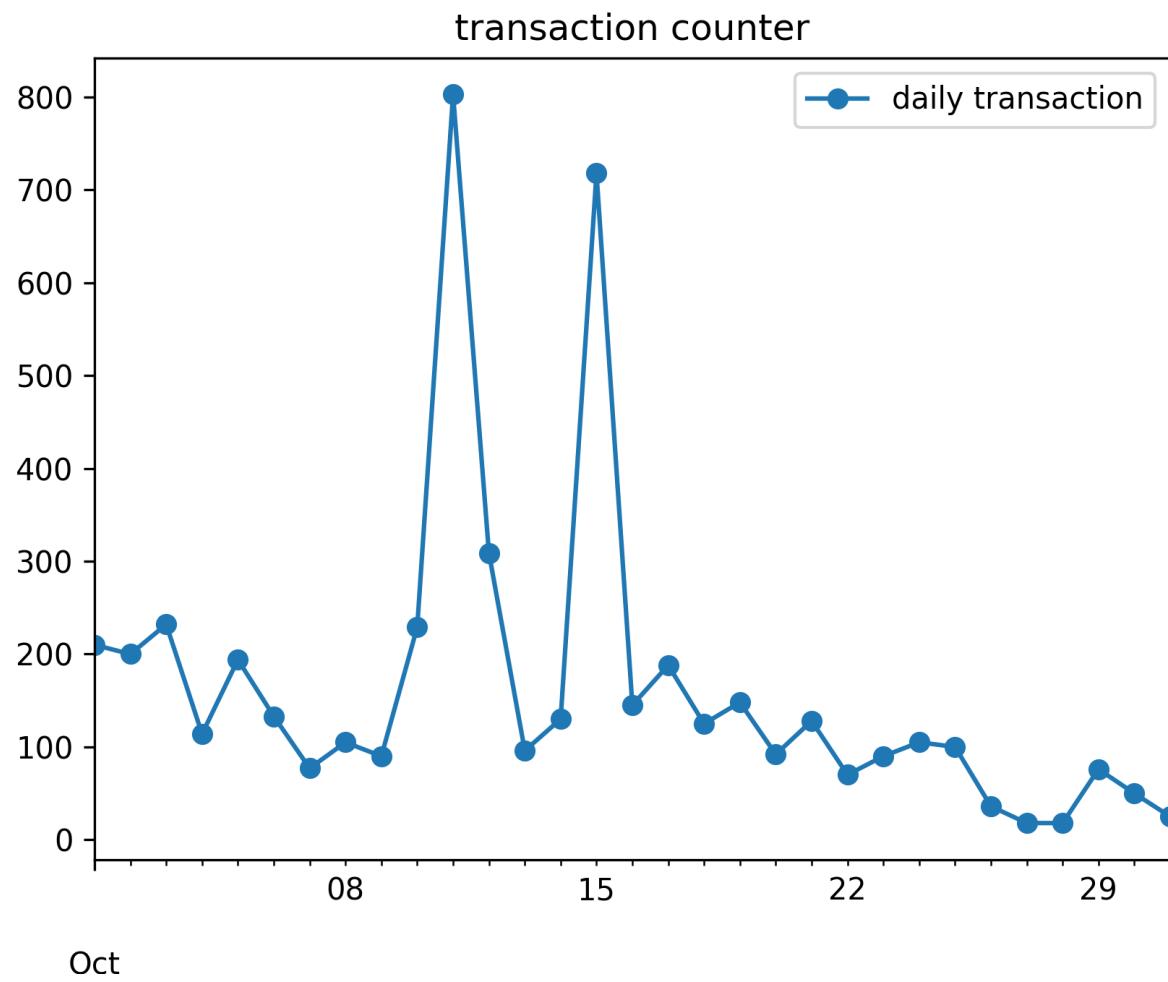
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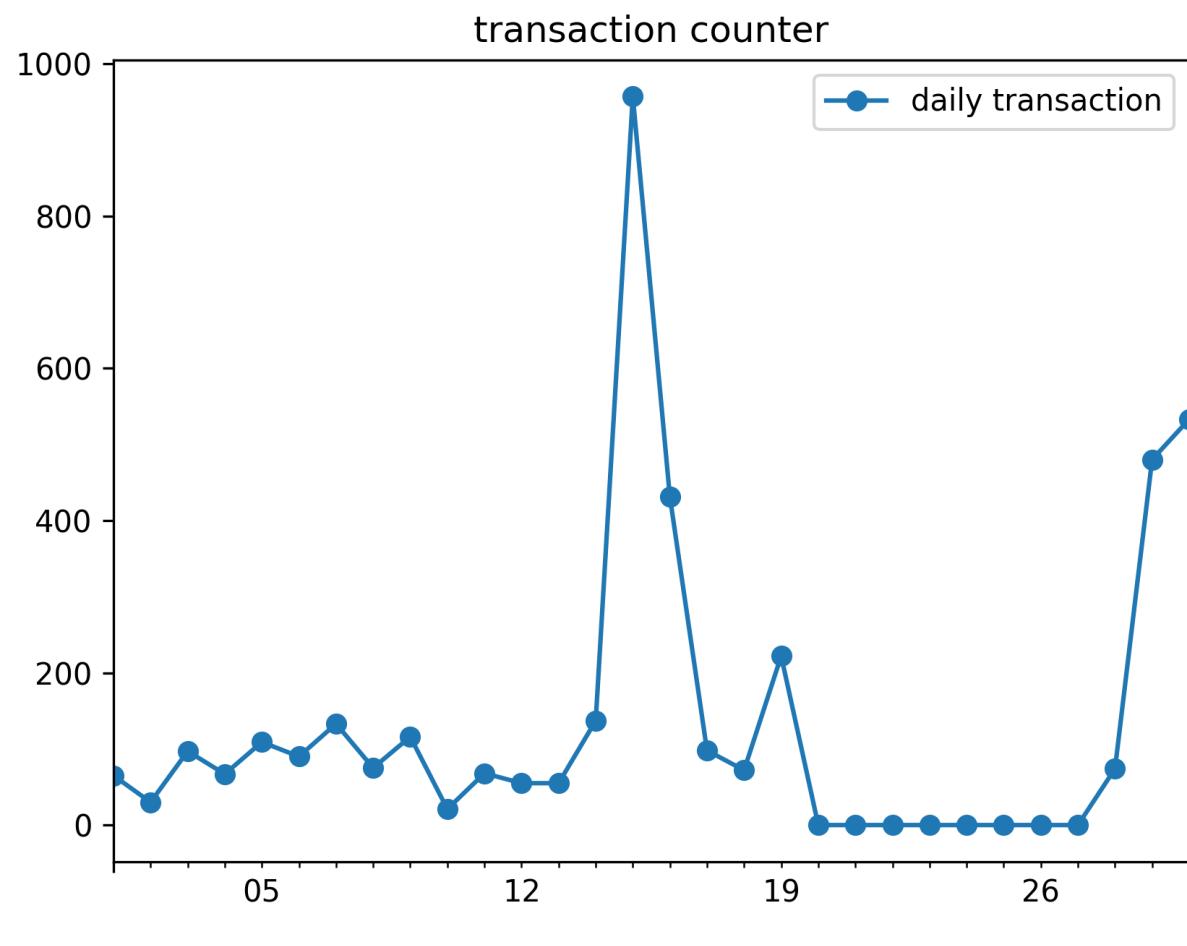
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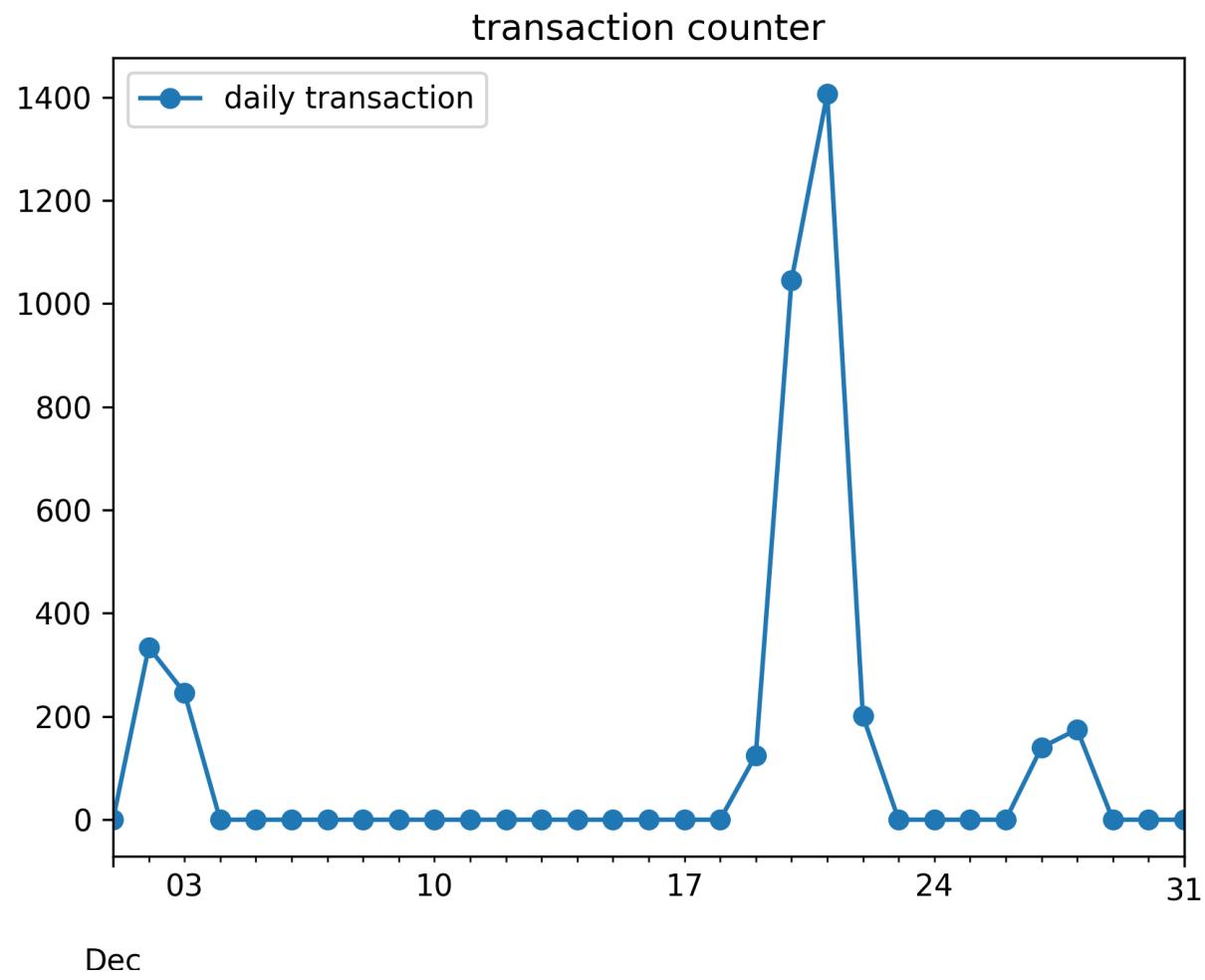
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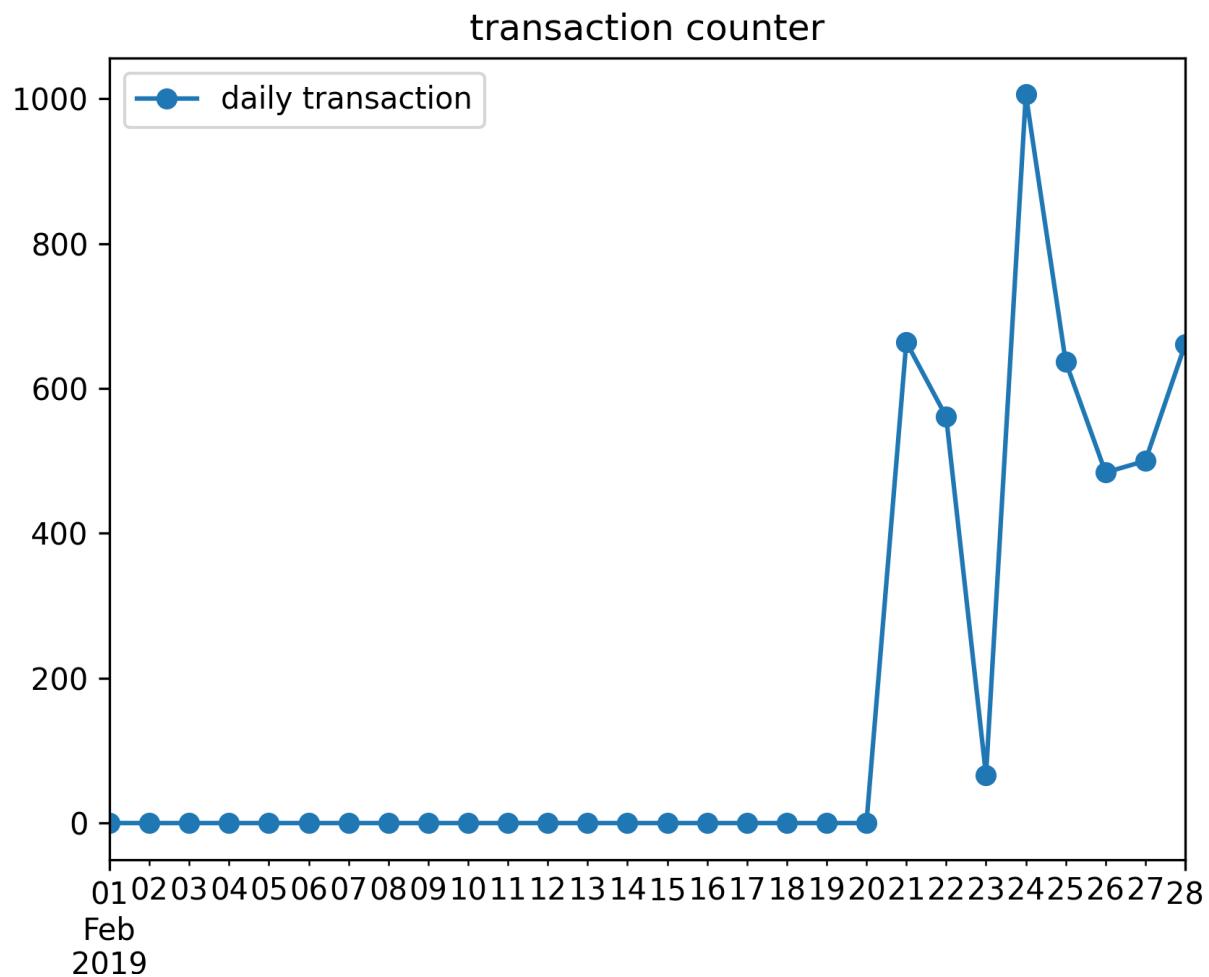


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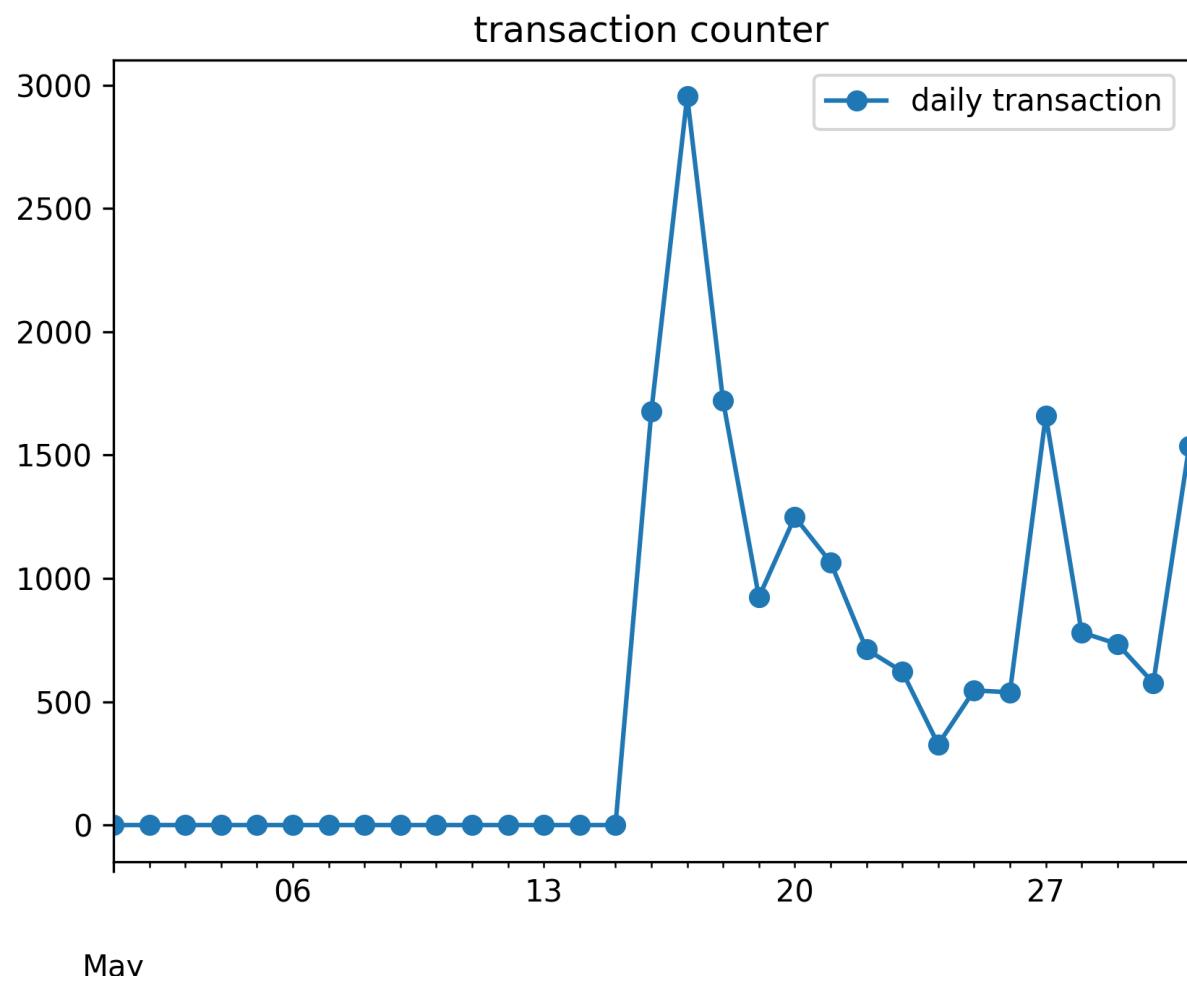
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upbit-2019-02-btc-transaction\_counter.png

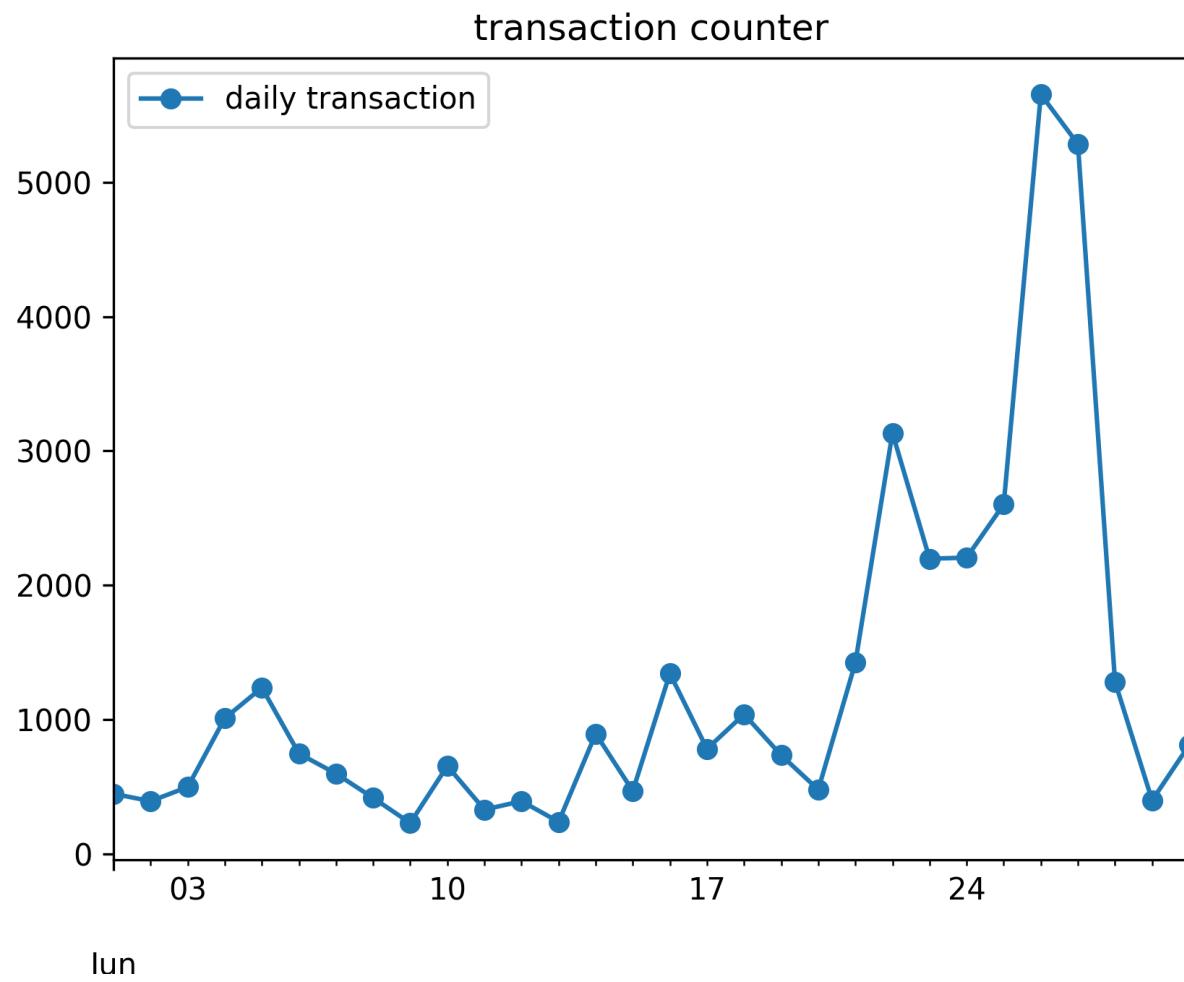


upbit-2019-05-btc-transaction\_counter.png



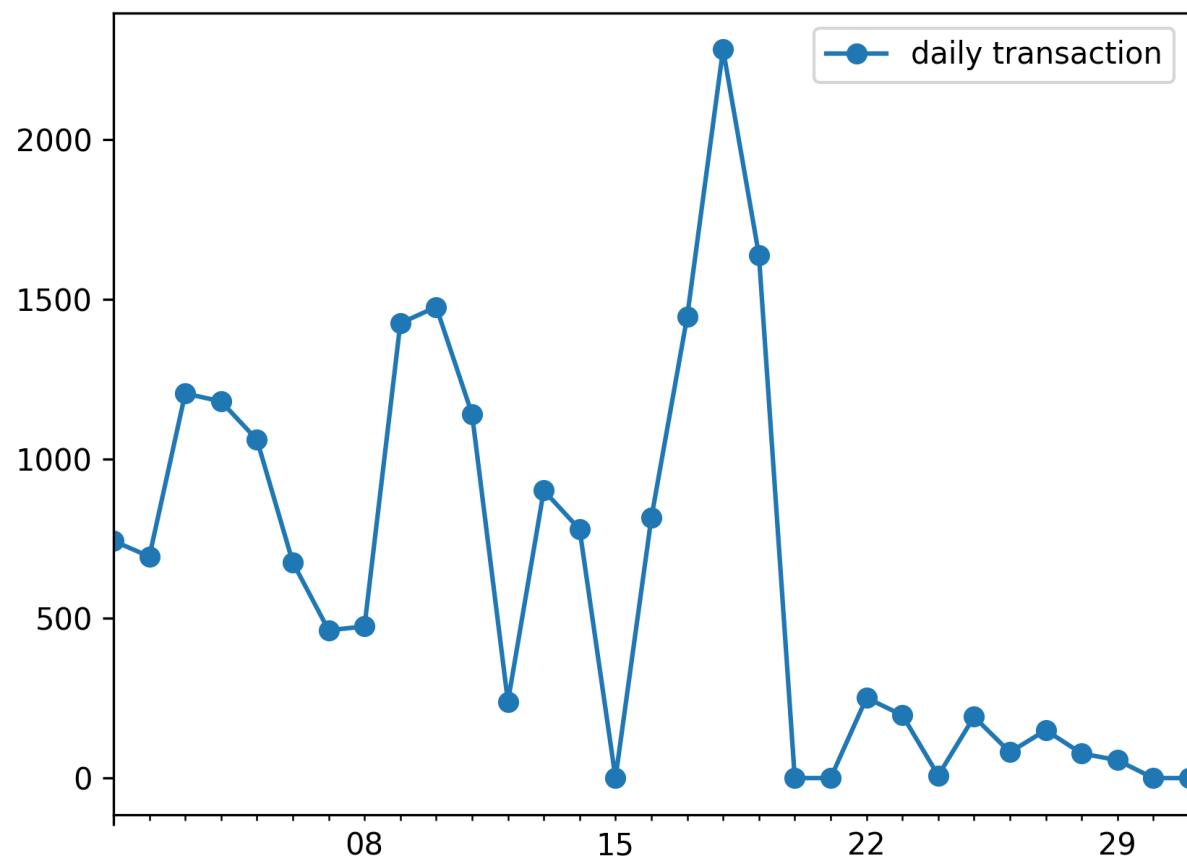
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upbit-2019-06-btc-transaction\_counter.png



upbit-2019-07-btc-transaction\_counter.png

transaction counter

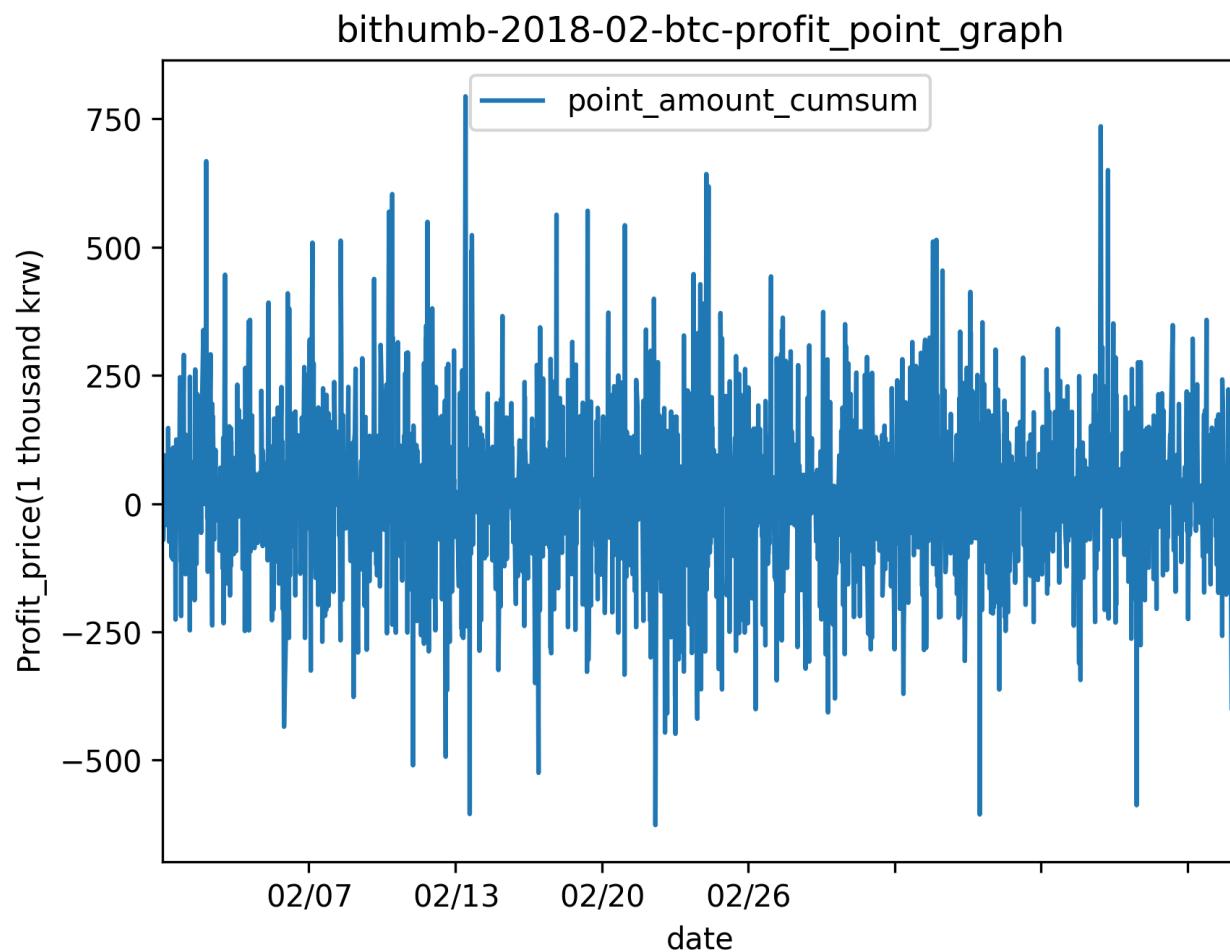


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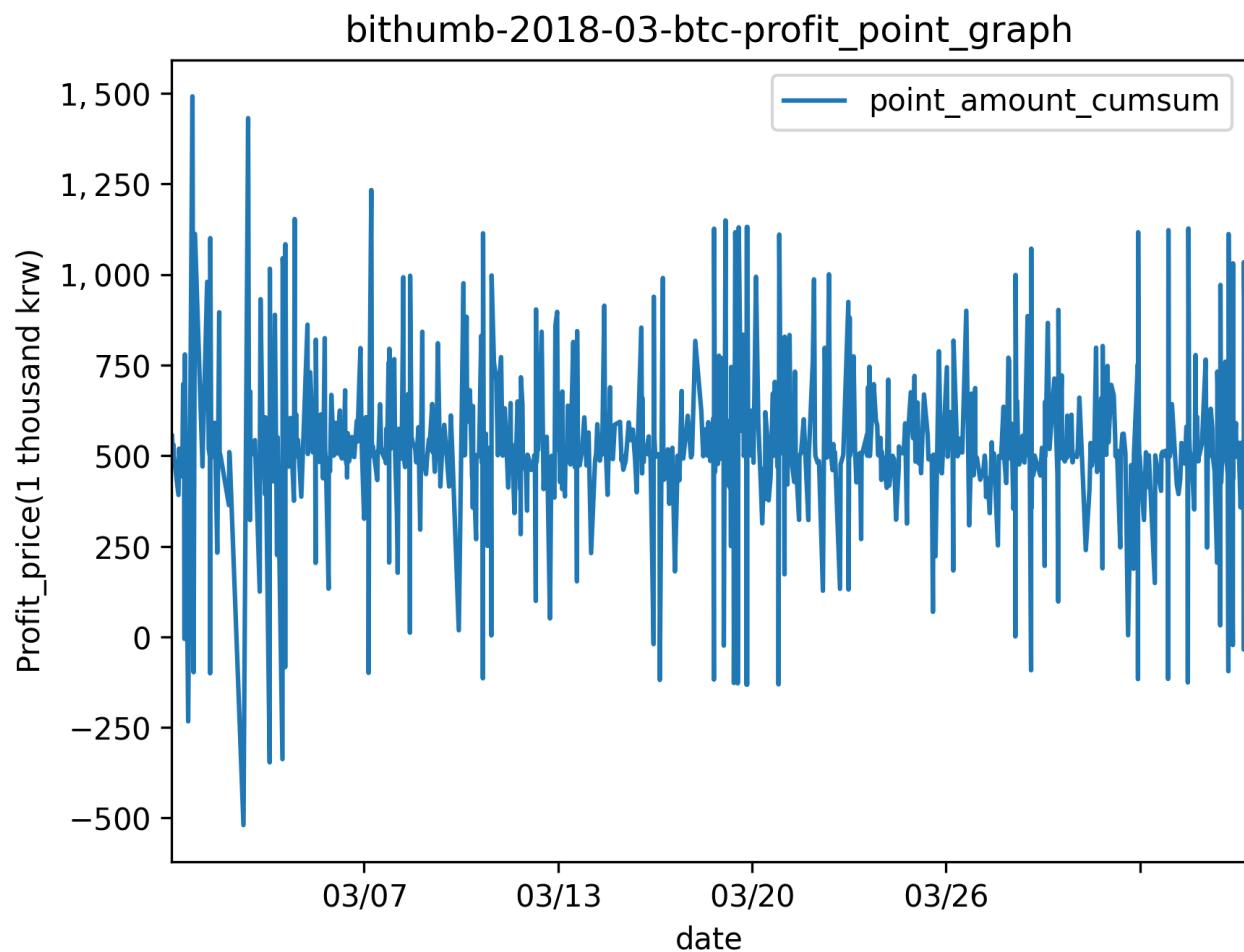
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달별 잔여 코인개수가 0이 되는 지점 간의 profit 차이 그래프

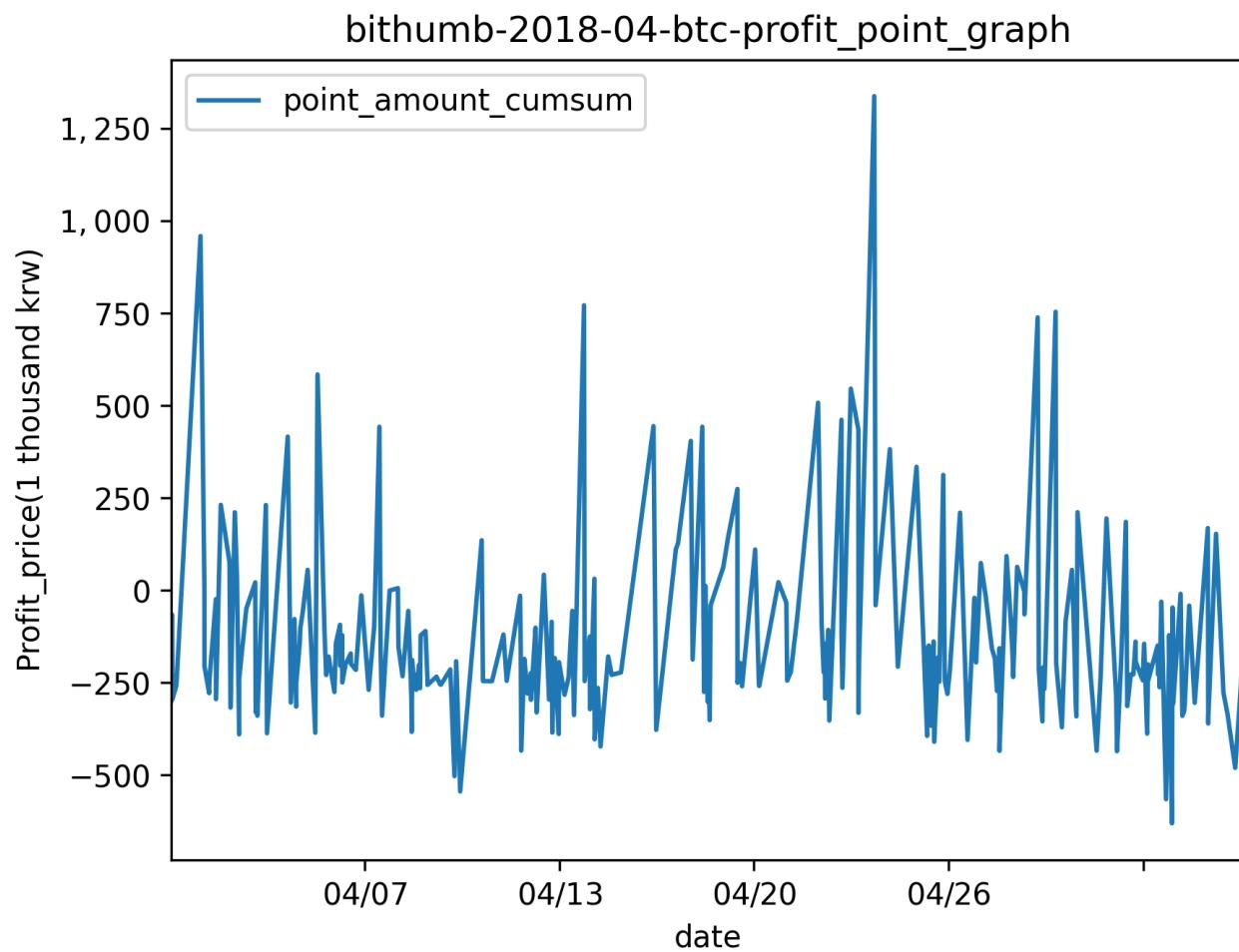
bithumb-2018-02-btc-profit\_point\_graph



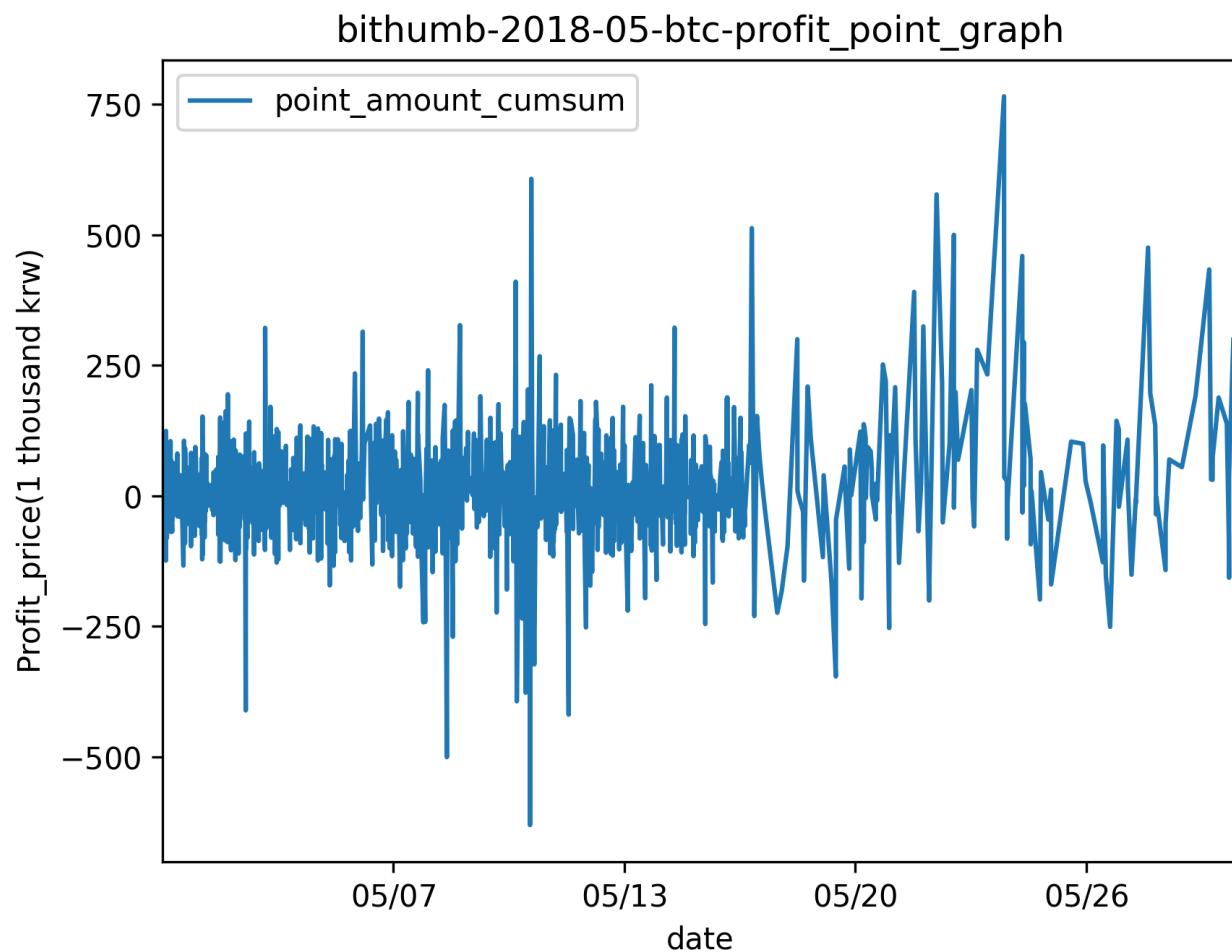
bitumb-2018-03-btc-profit\_point\_graph



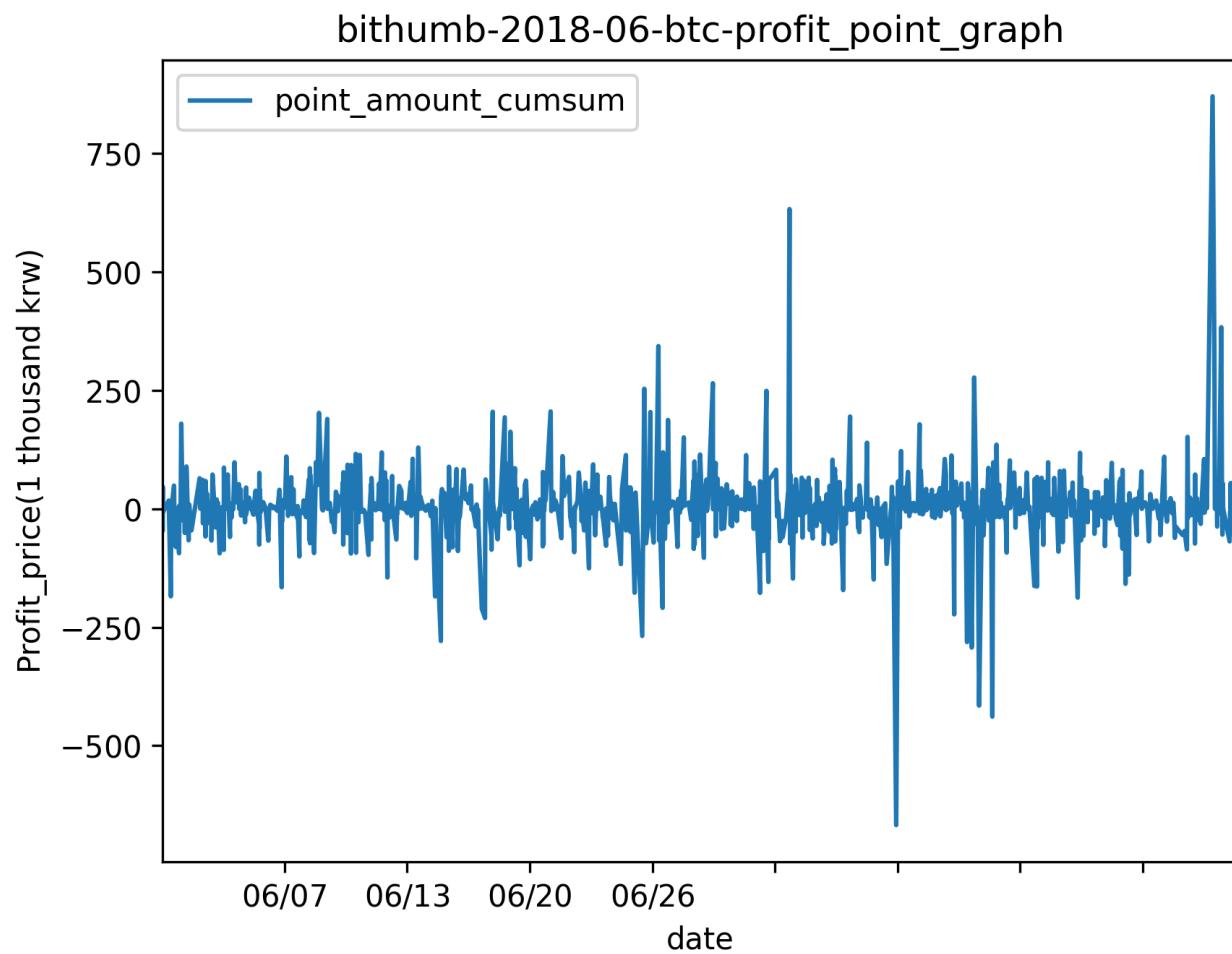
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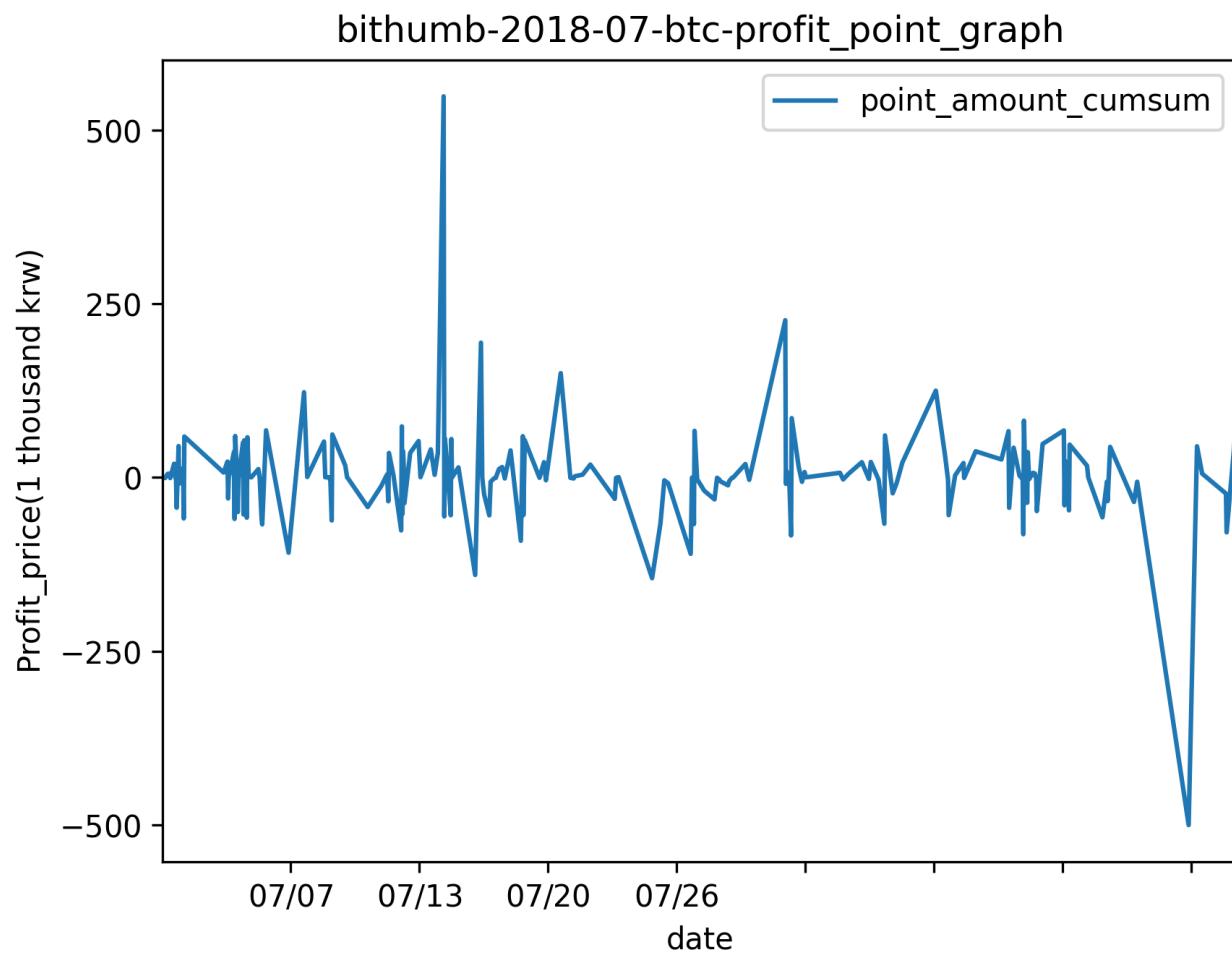
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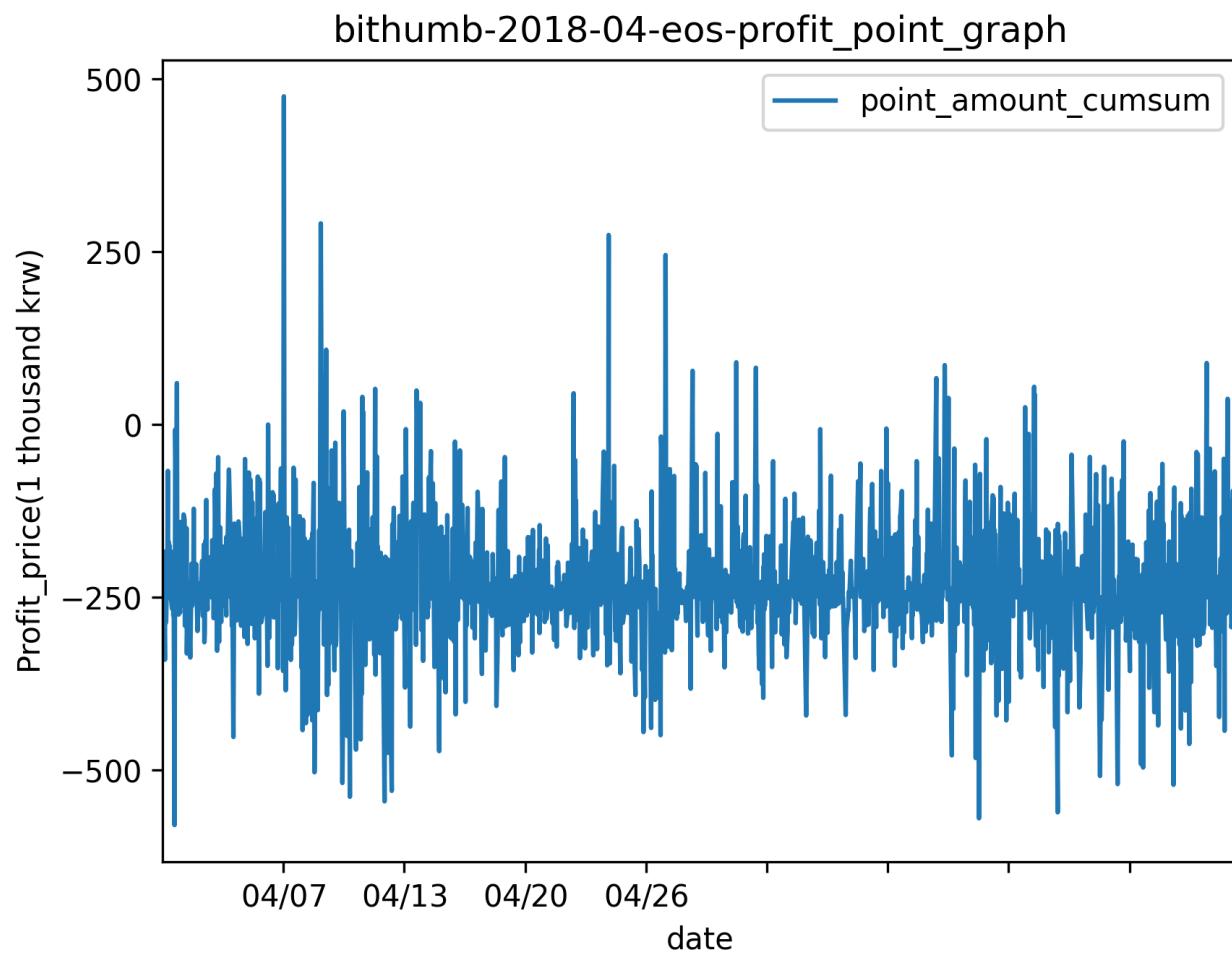
bithumb-2018-06-btc-profit\_point\_graph



bithumb-2018-07-btc-profit\_point\_graph

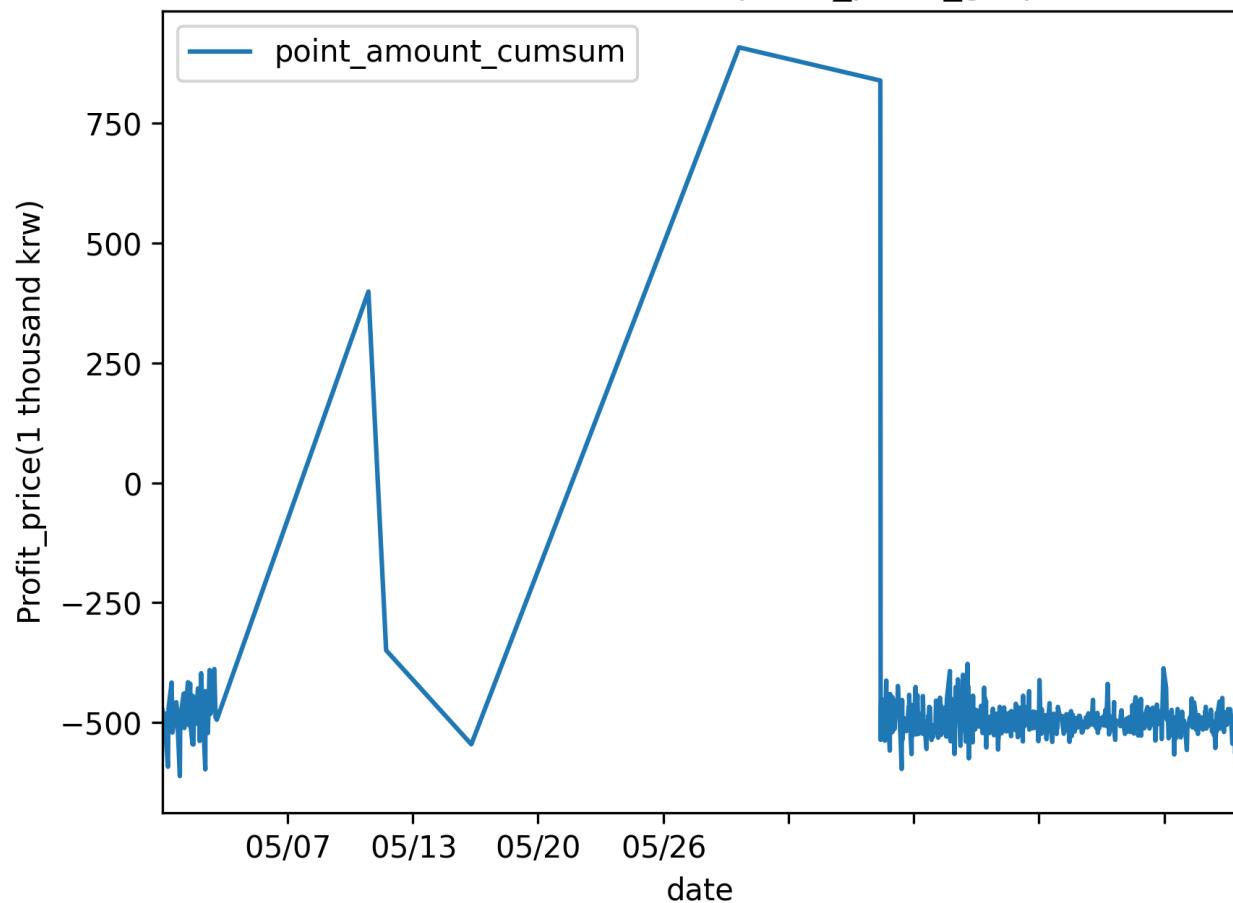


bithumb-2018-04-eos-profit\_point\_graph

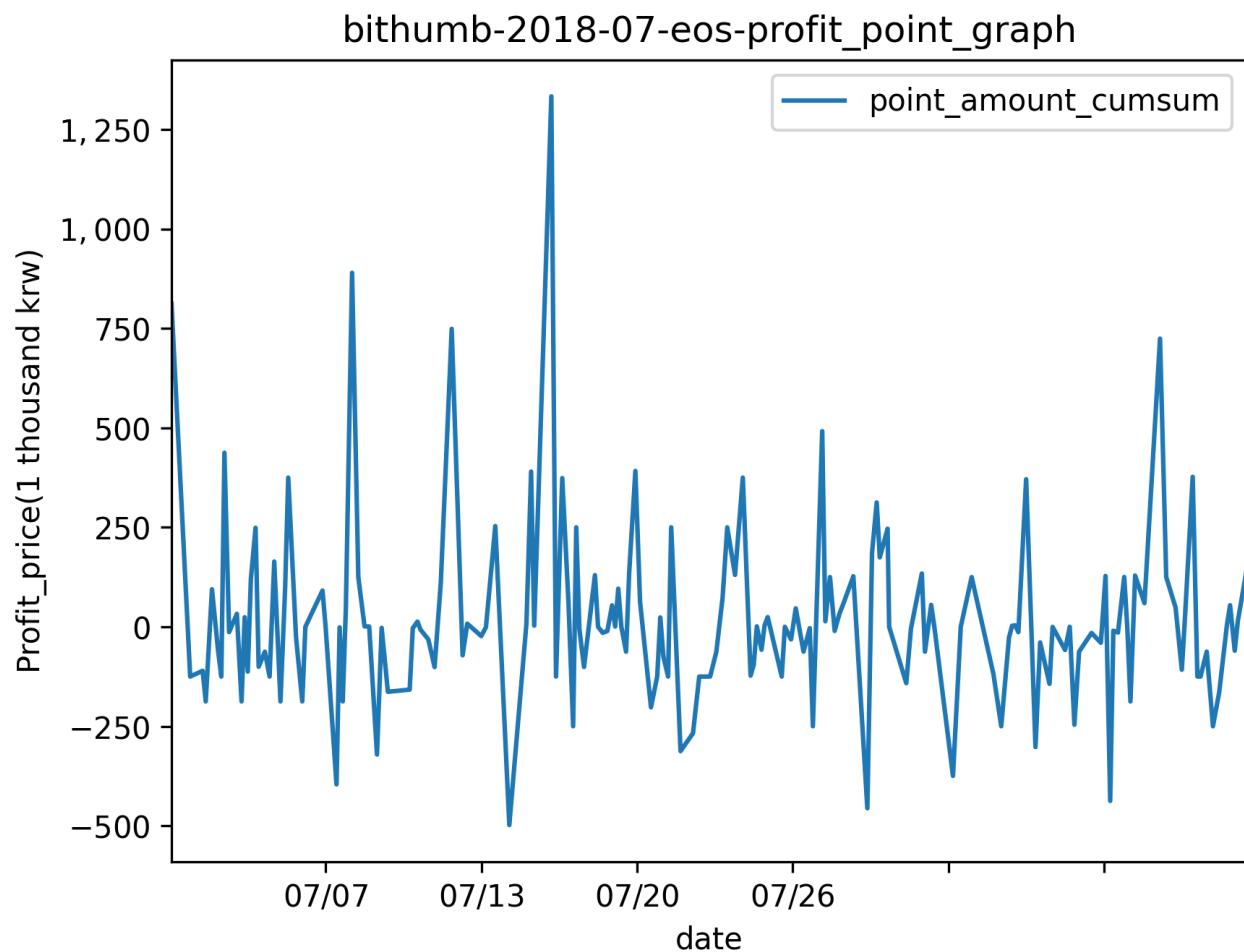


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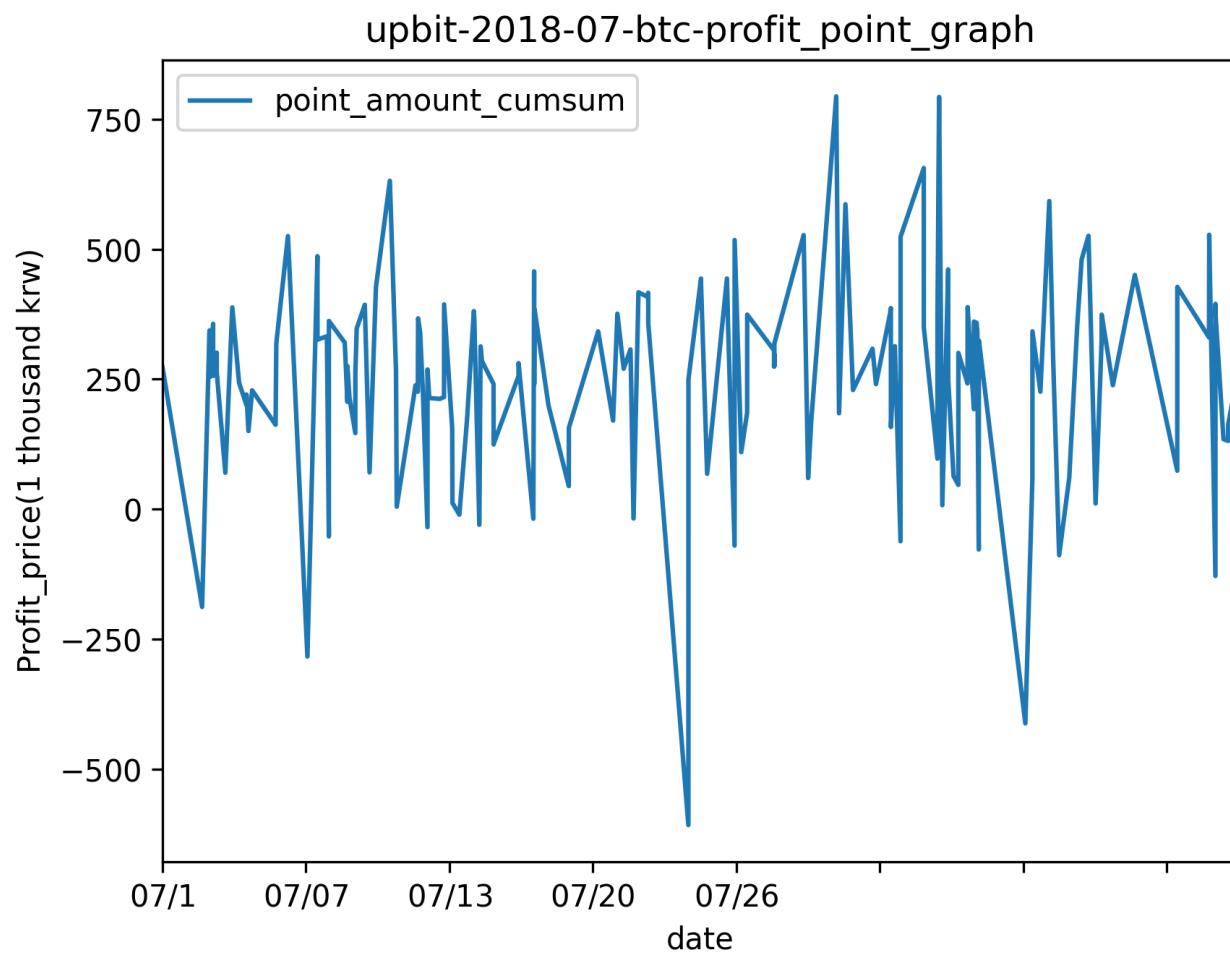
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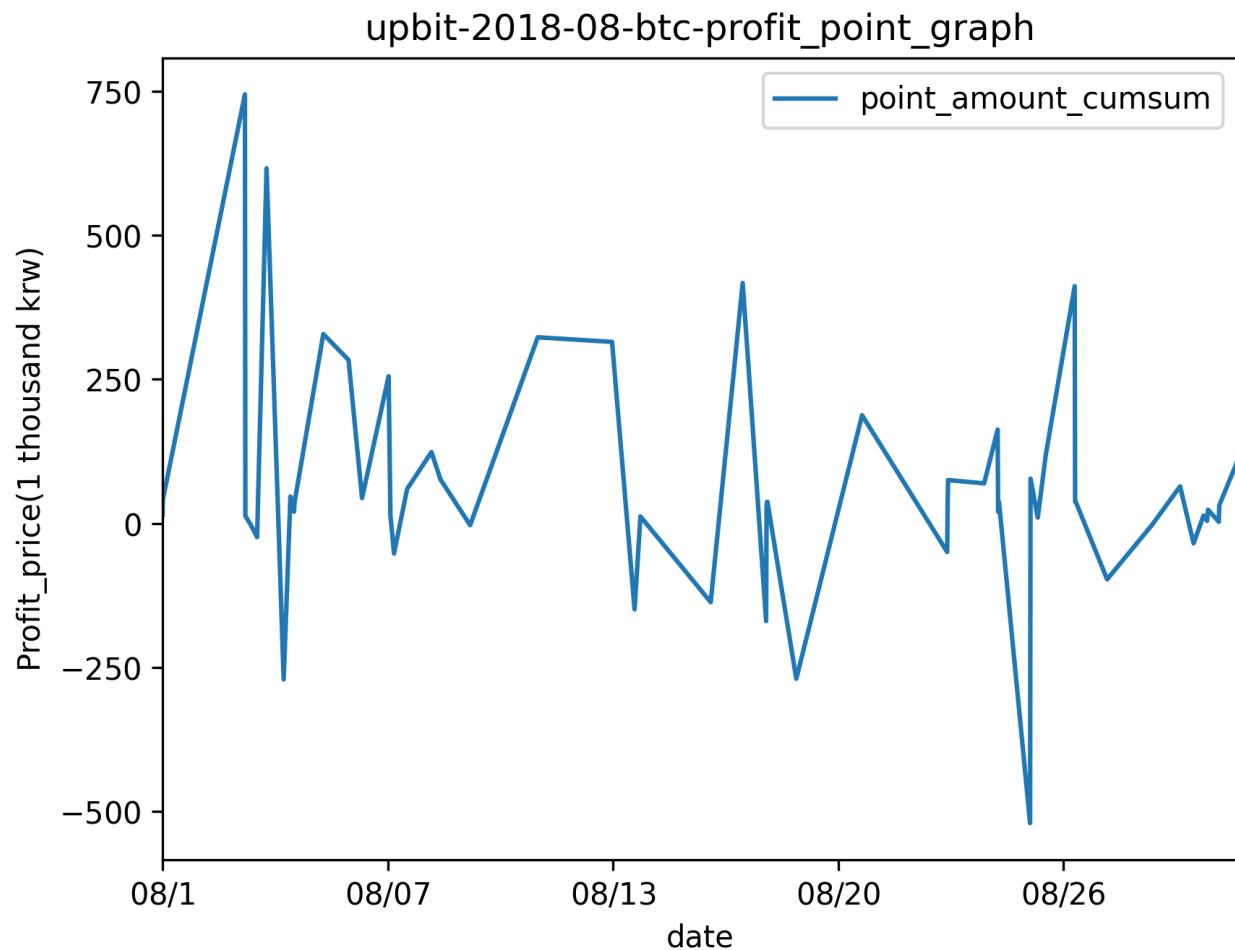
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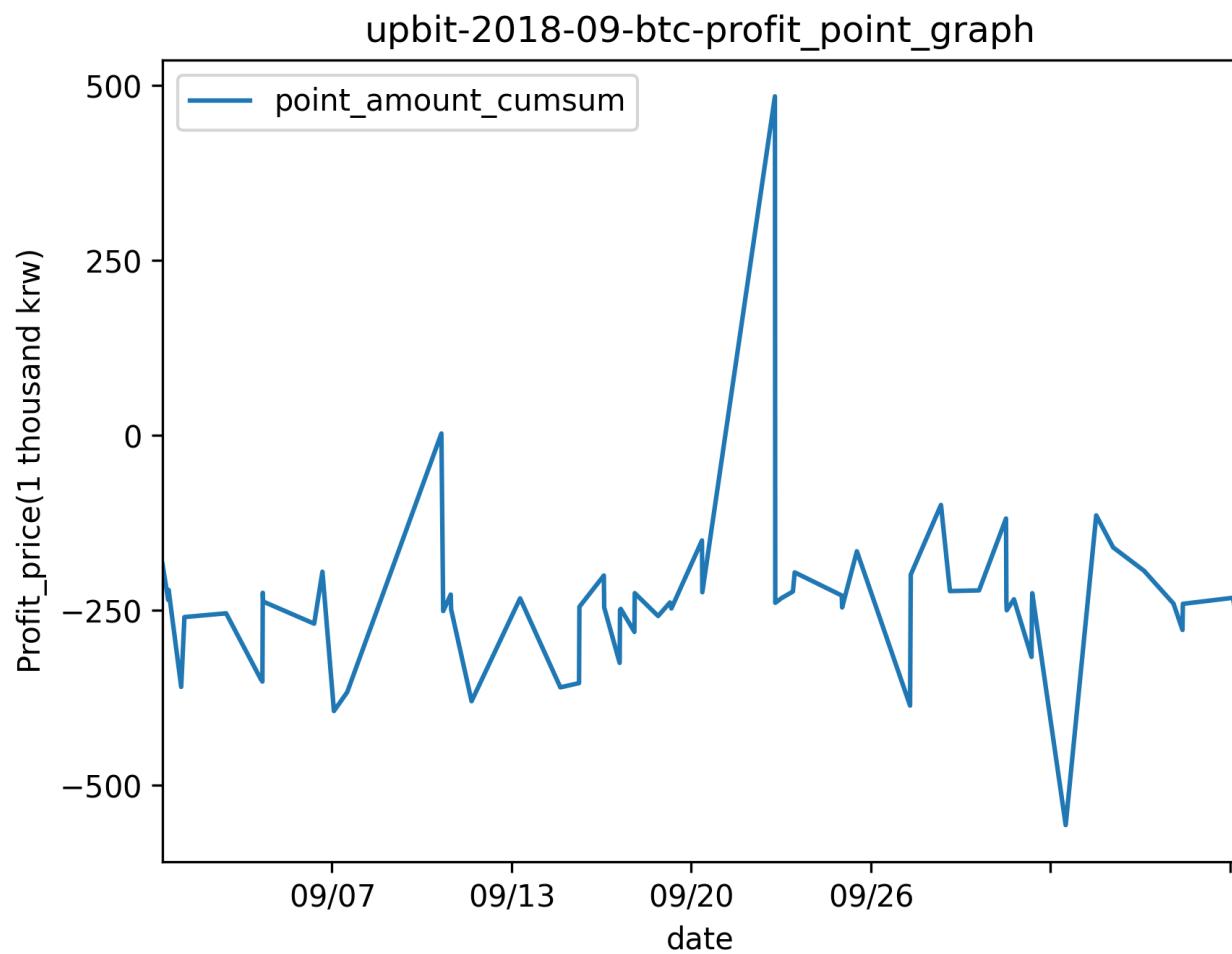
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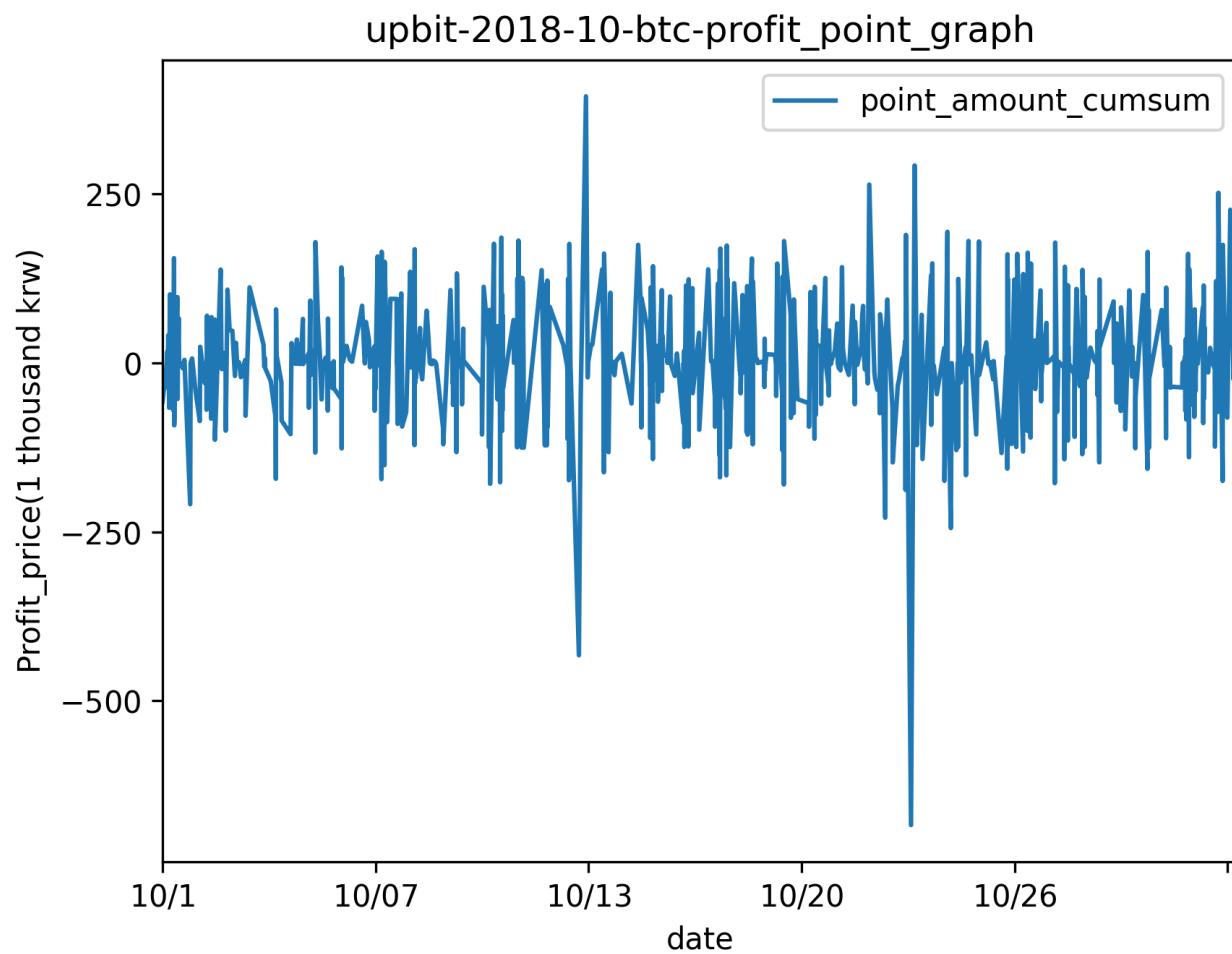
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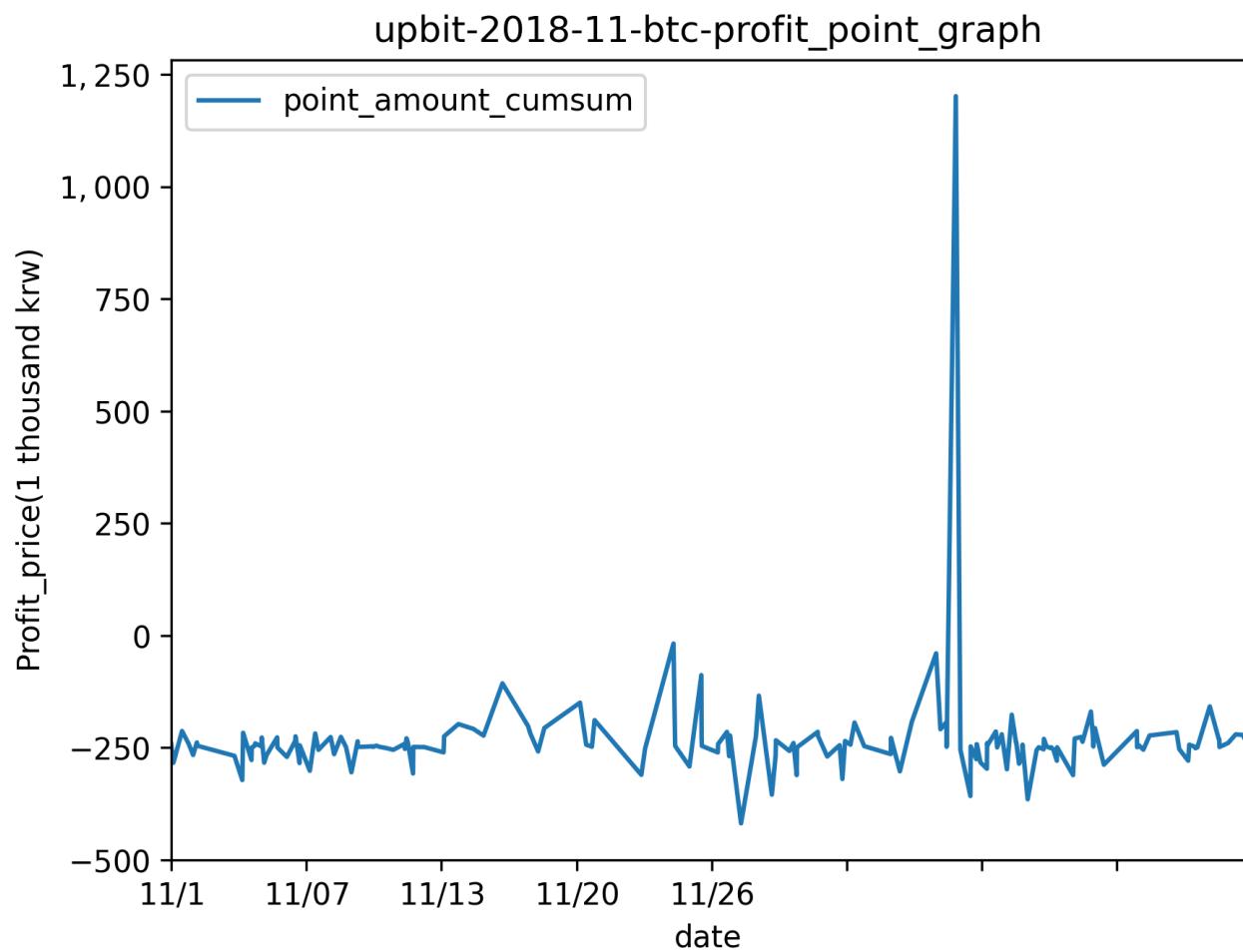
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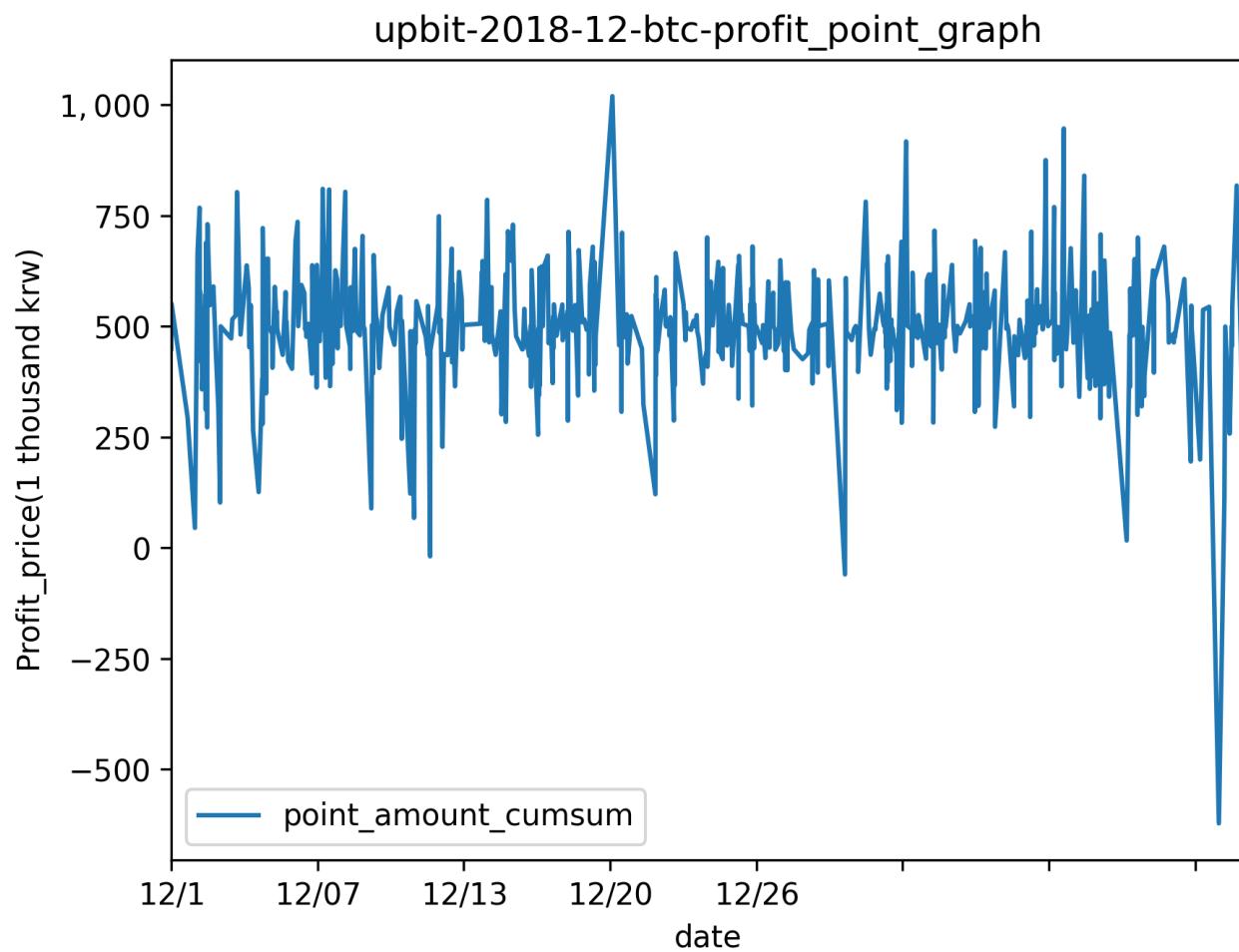
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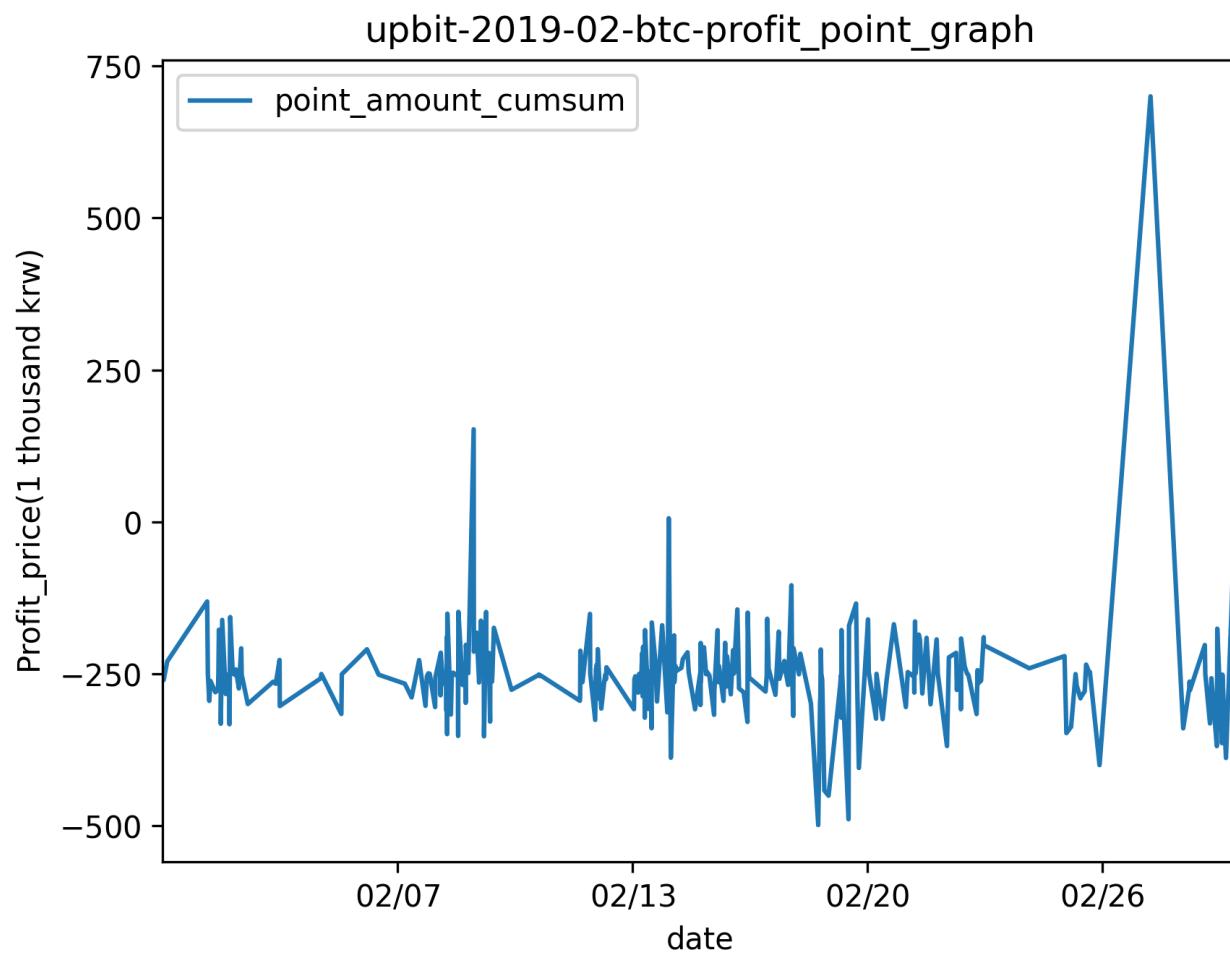
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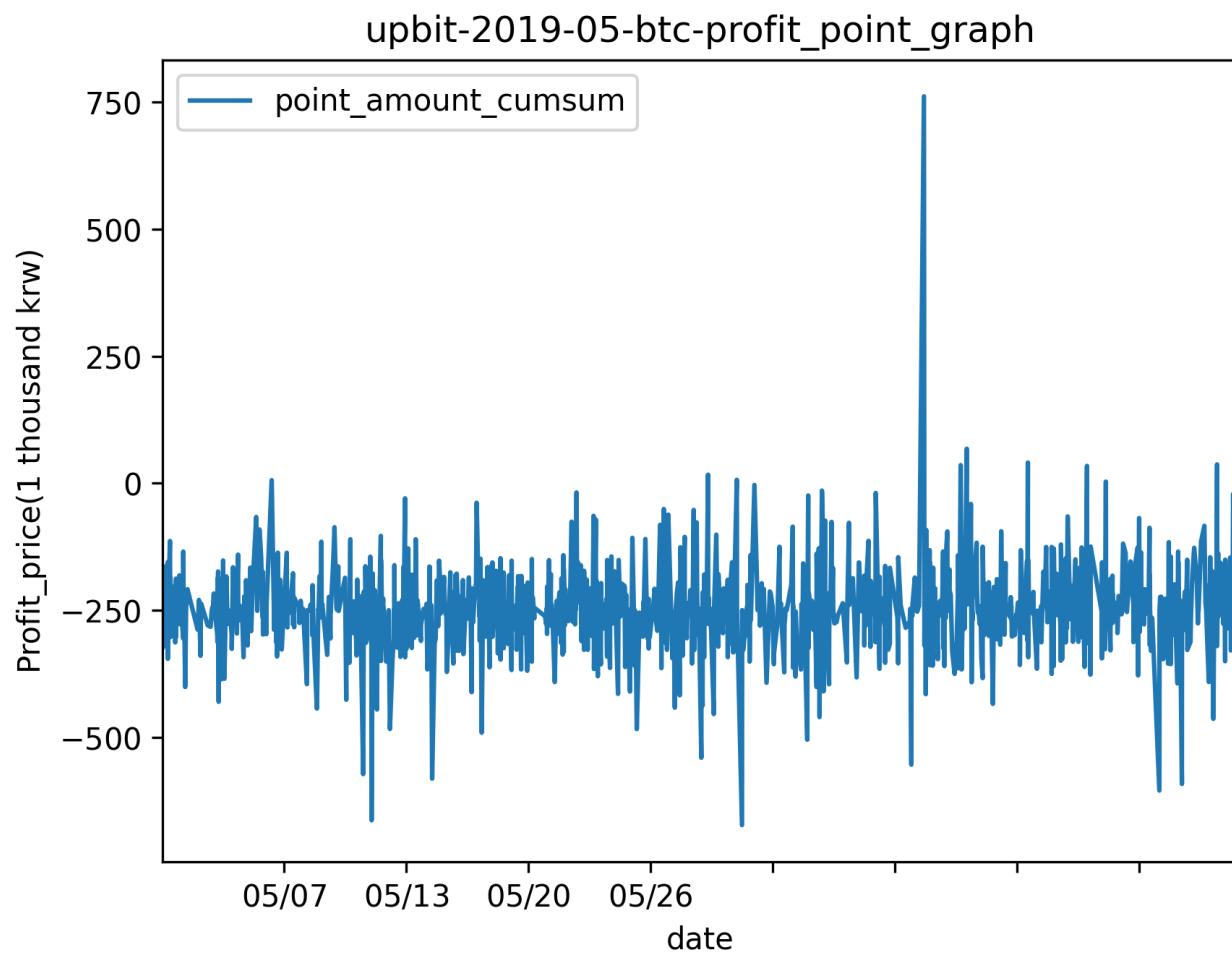
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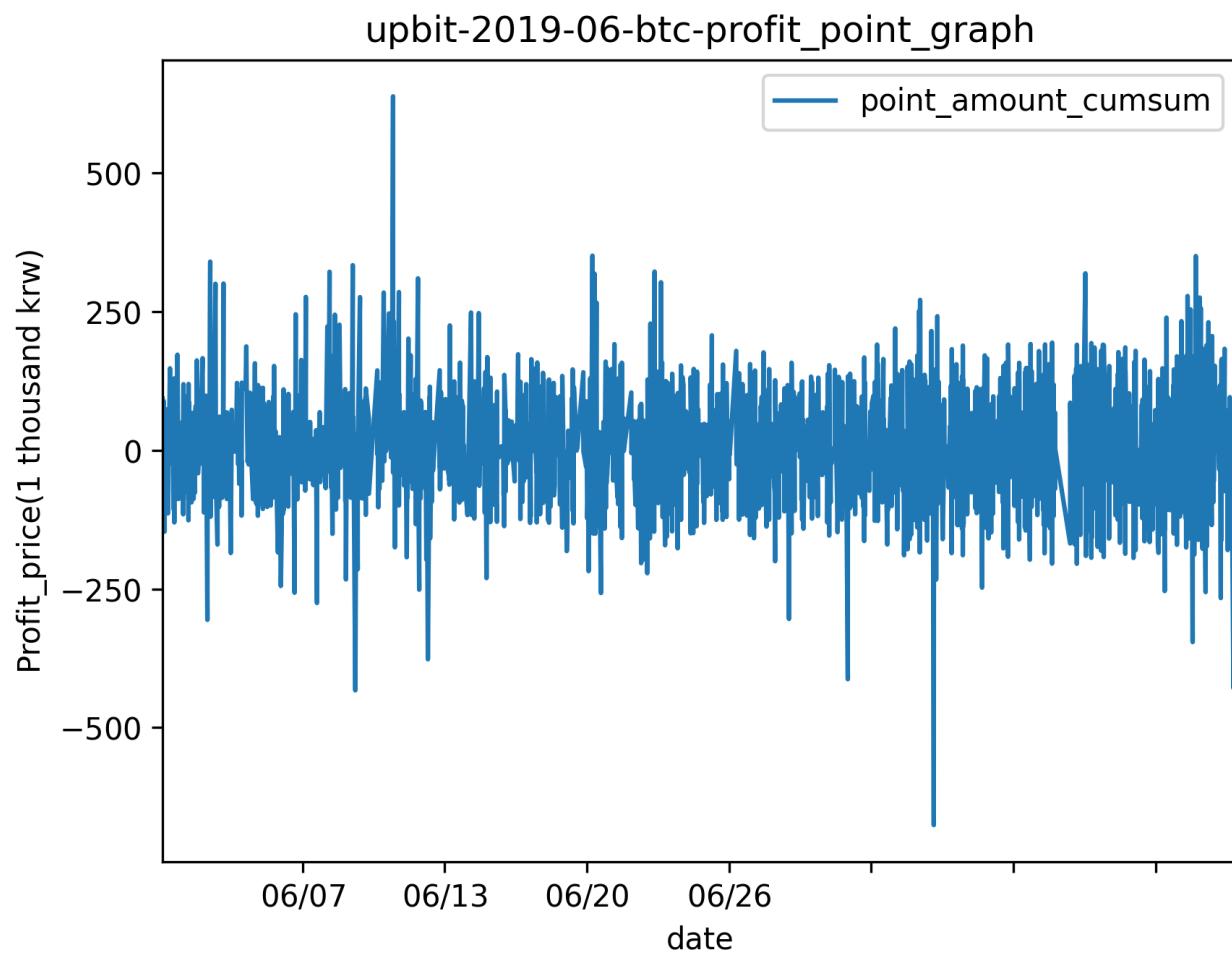
upbit-2019-02-btc-profit\_point\_graph



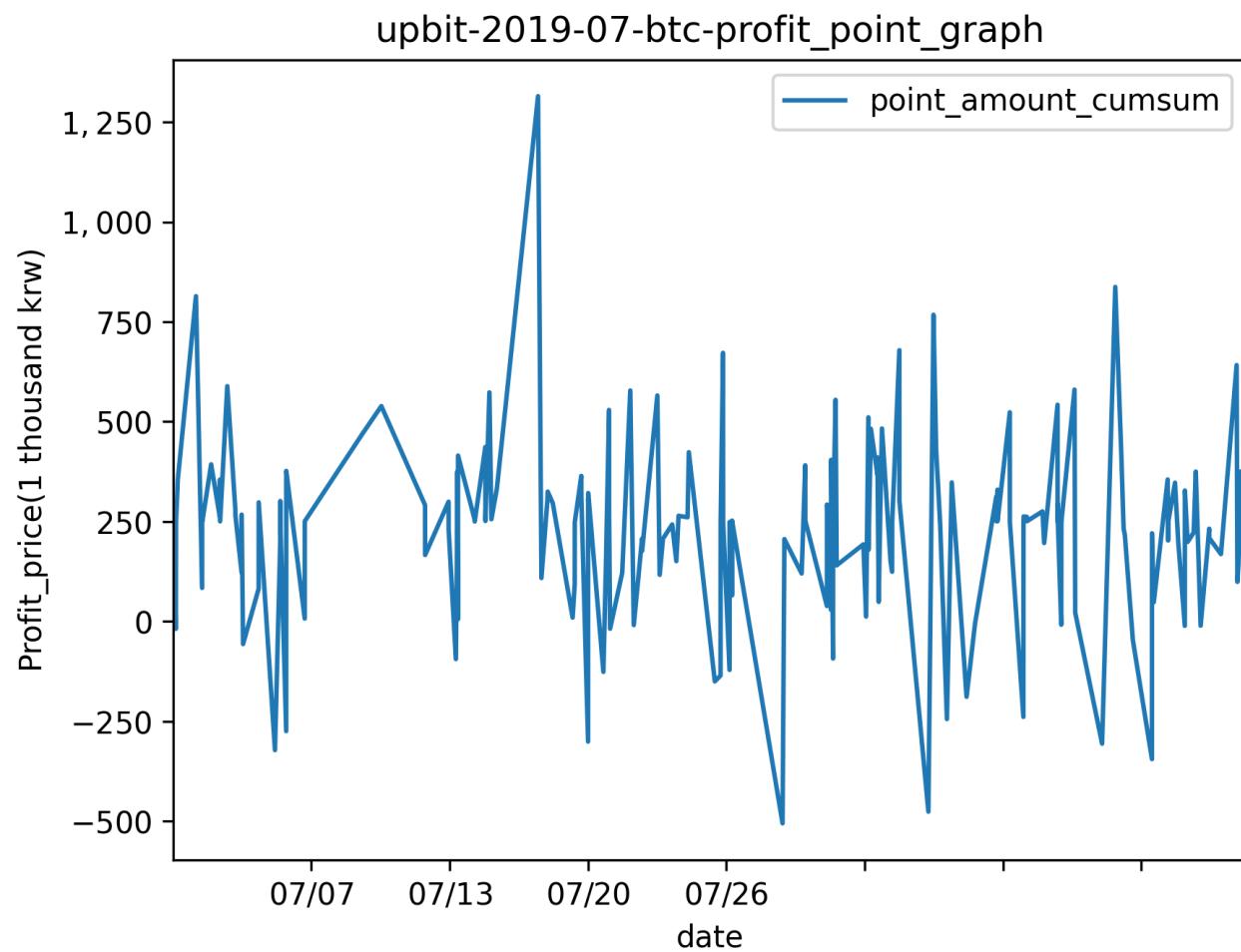
upbit-2019-05-btc-profit\_point\_graph



upbit-2019-06-btc-profit\_point\_graph



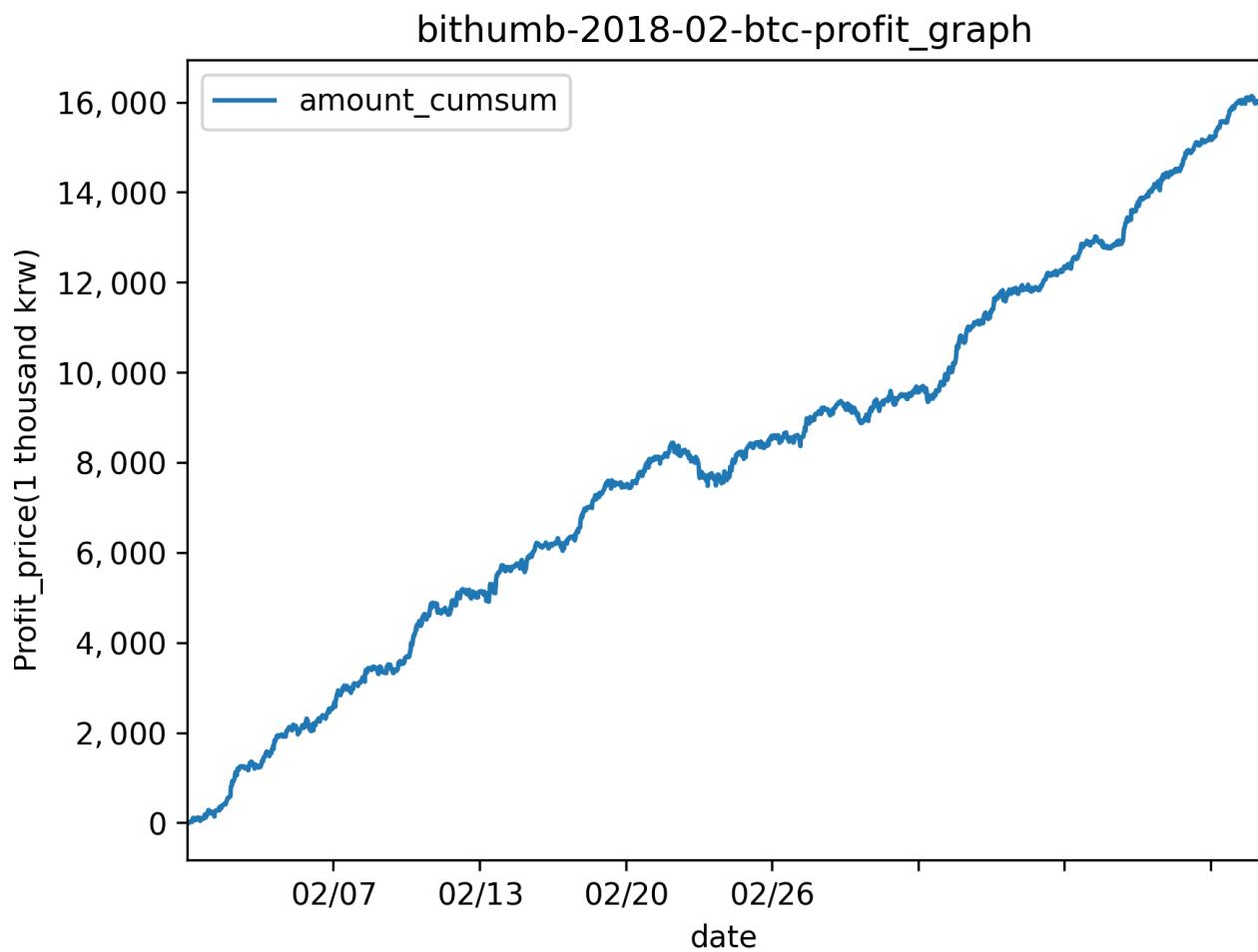
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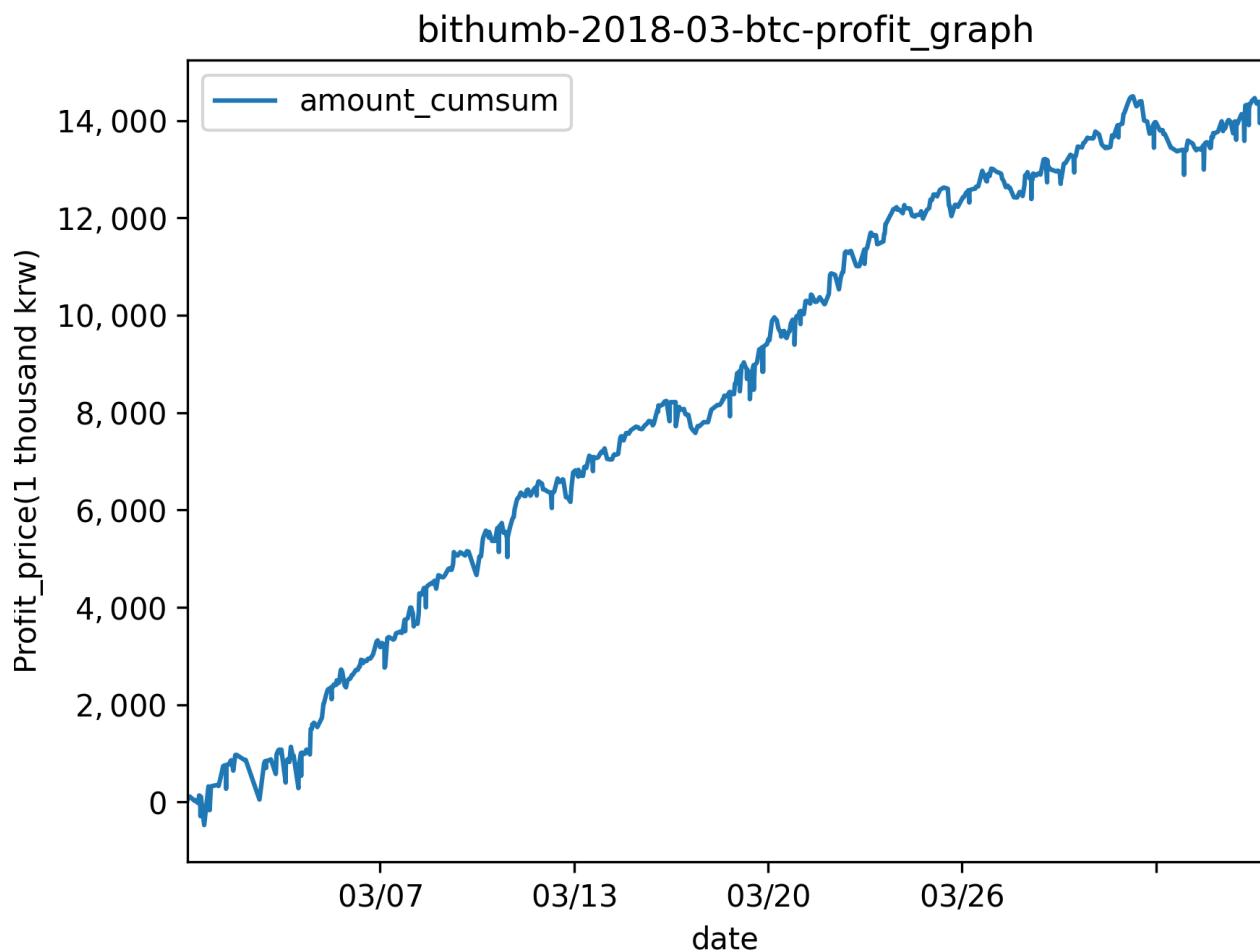
달별 잔여 코인개수가 0이 되는 지점의 누적 profit 그래프

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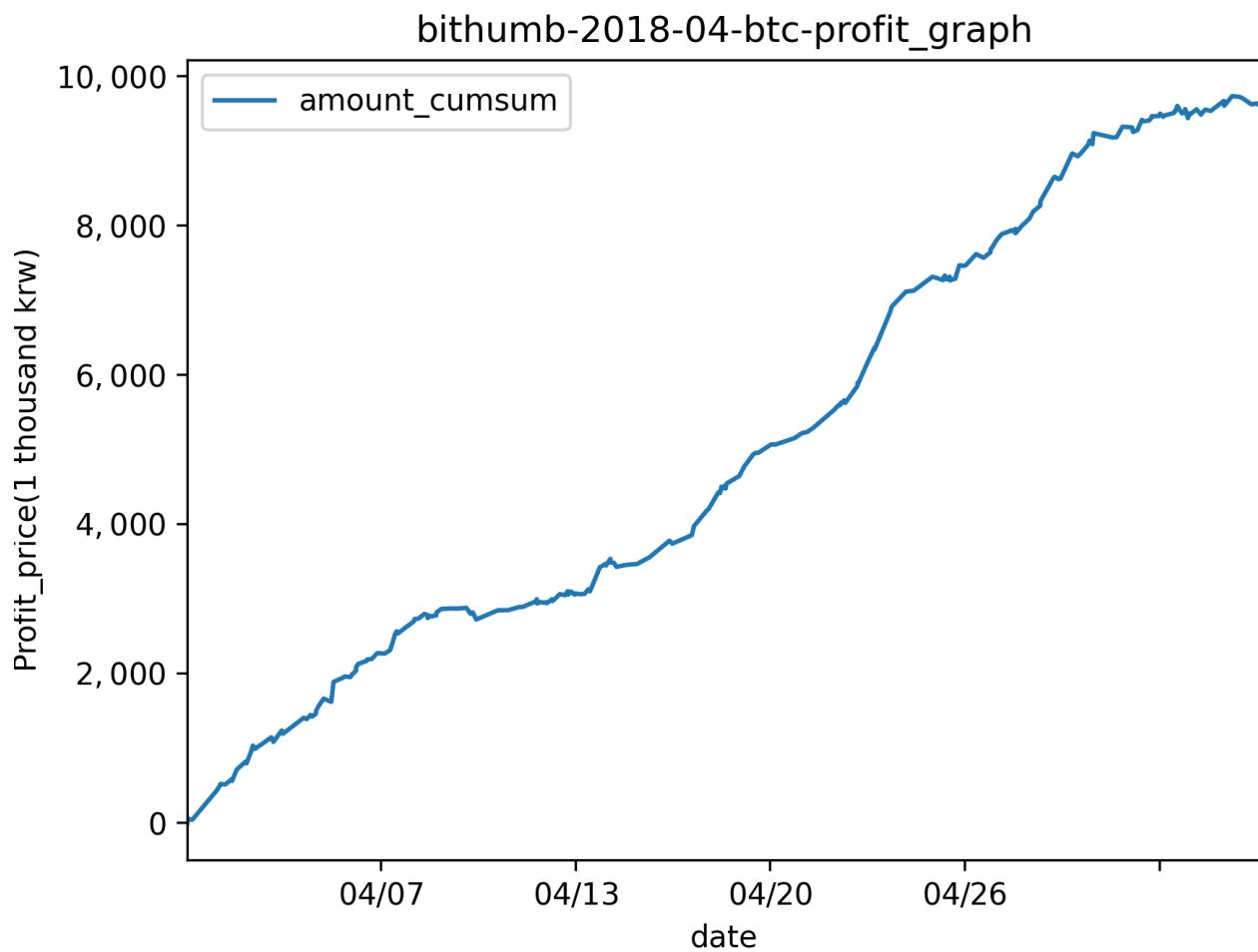
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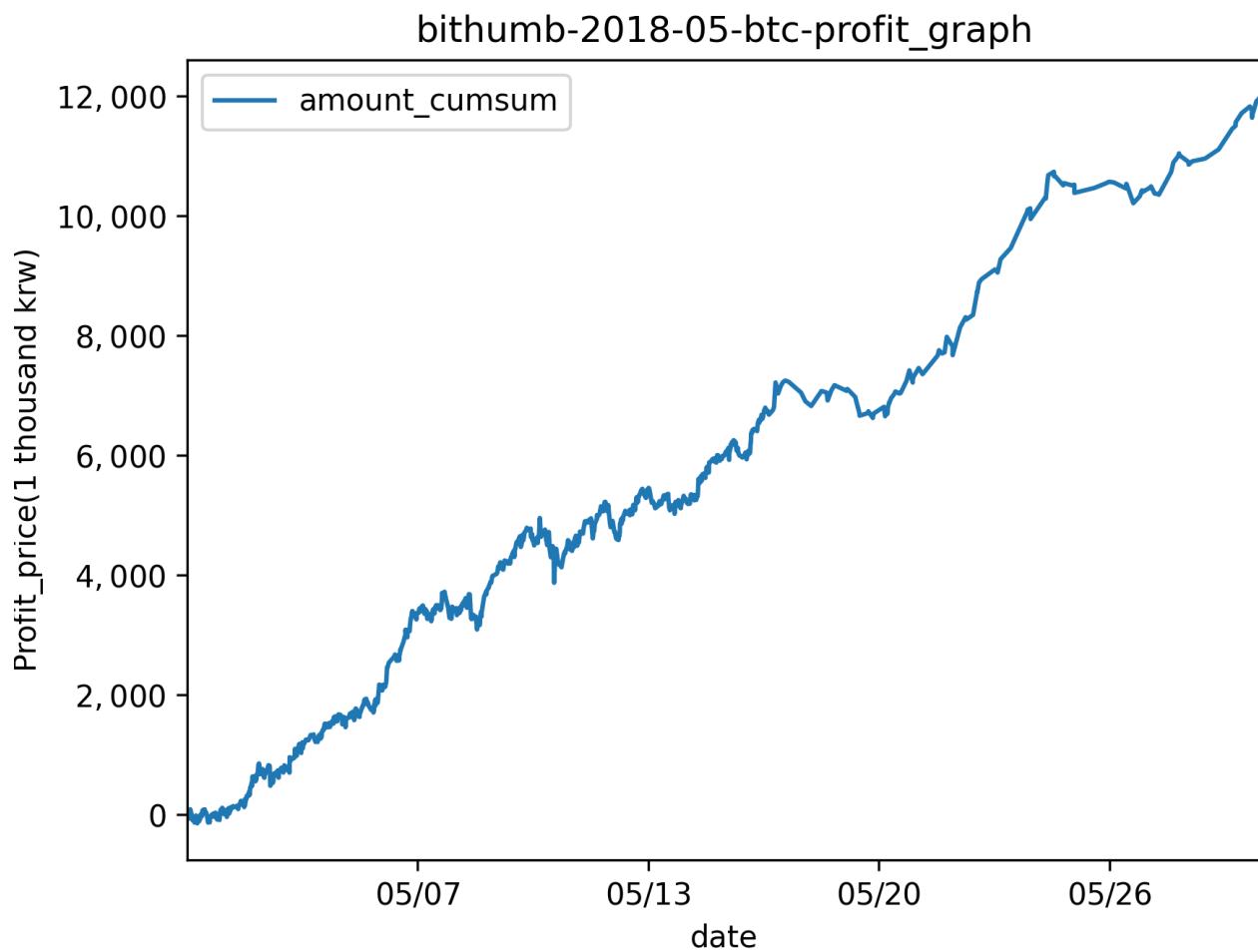
bithumb-2018-03-btc-profit\_graph



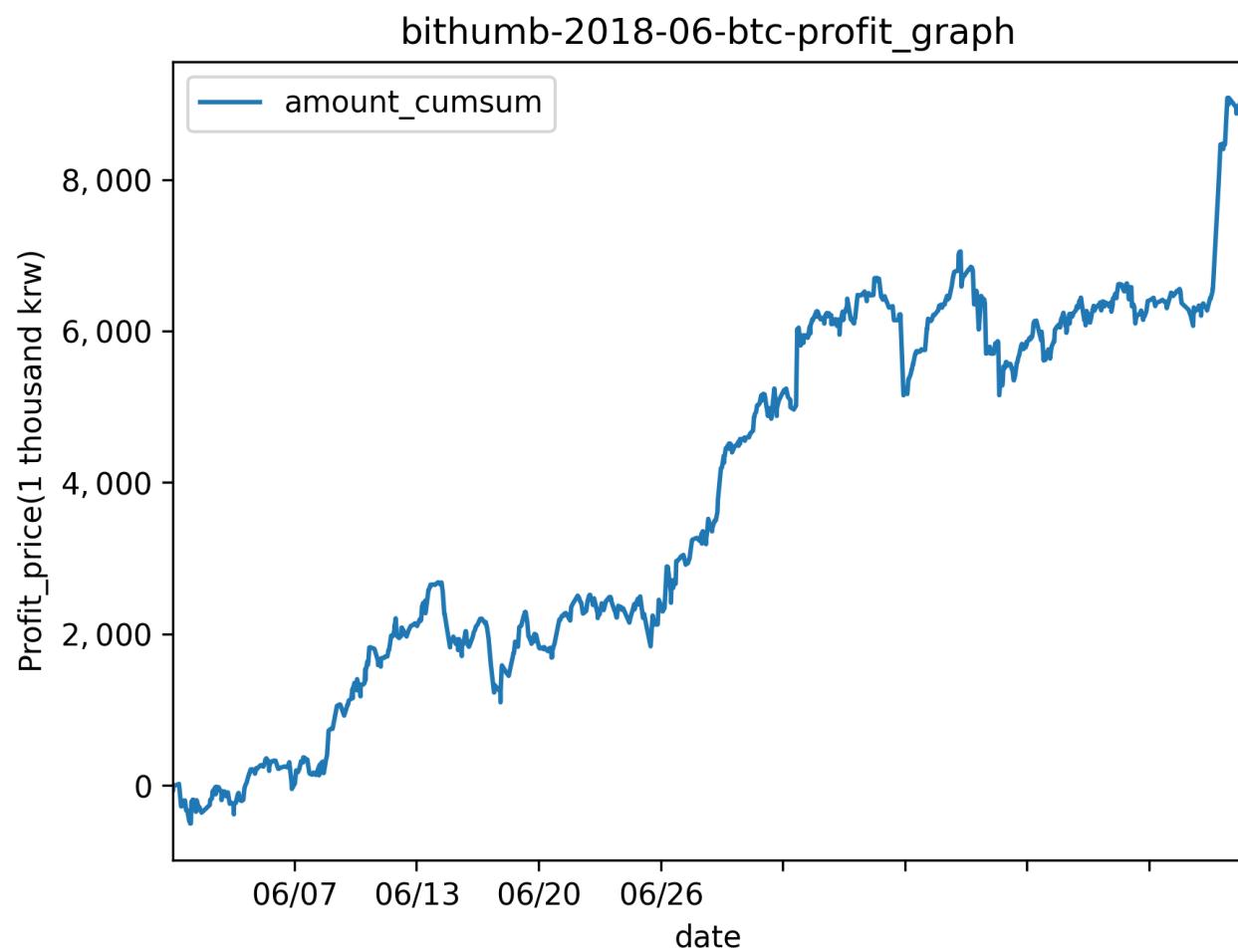
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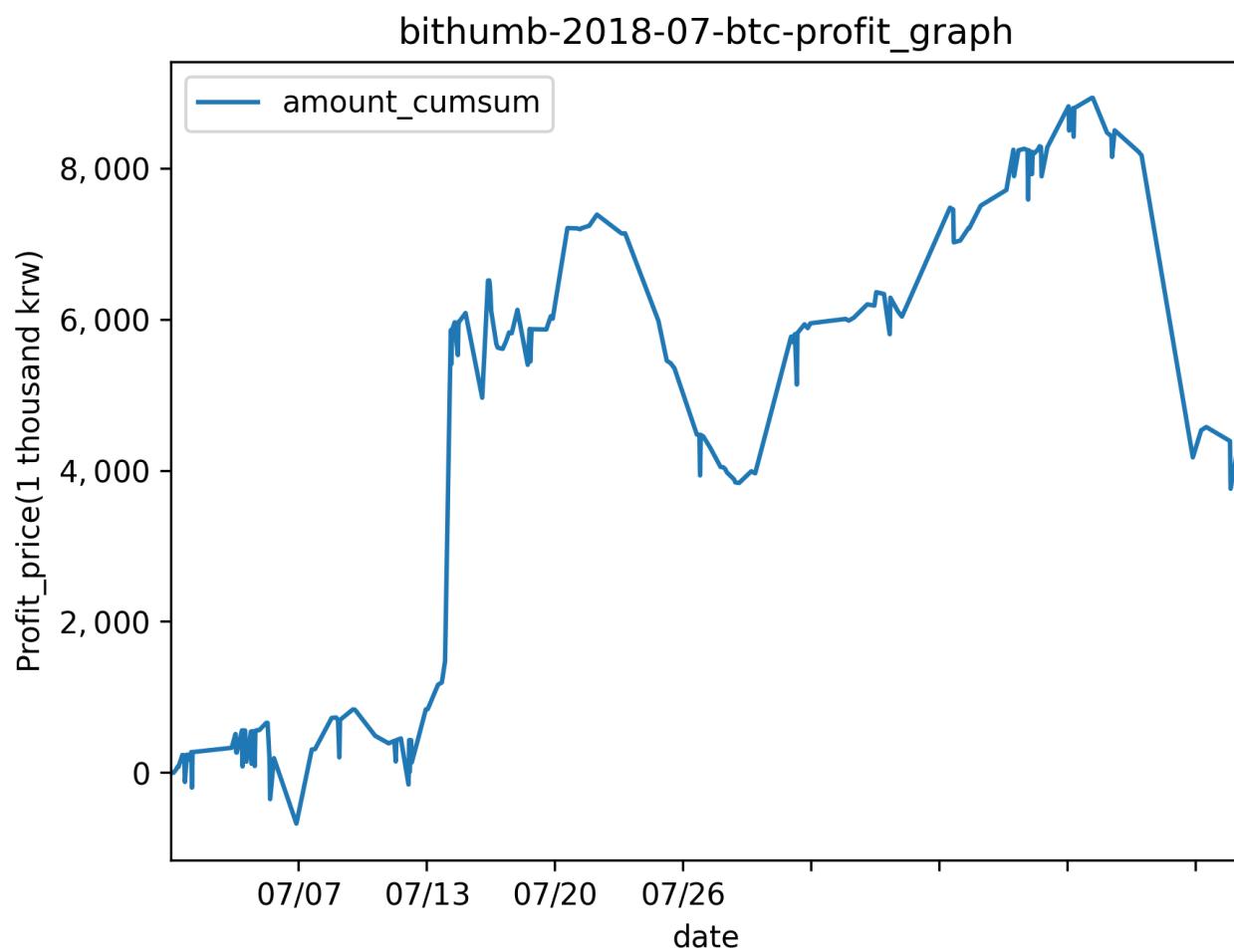
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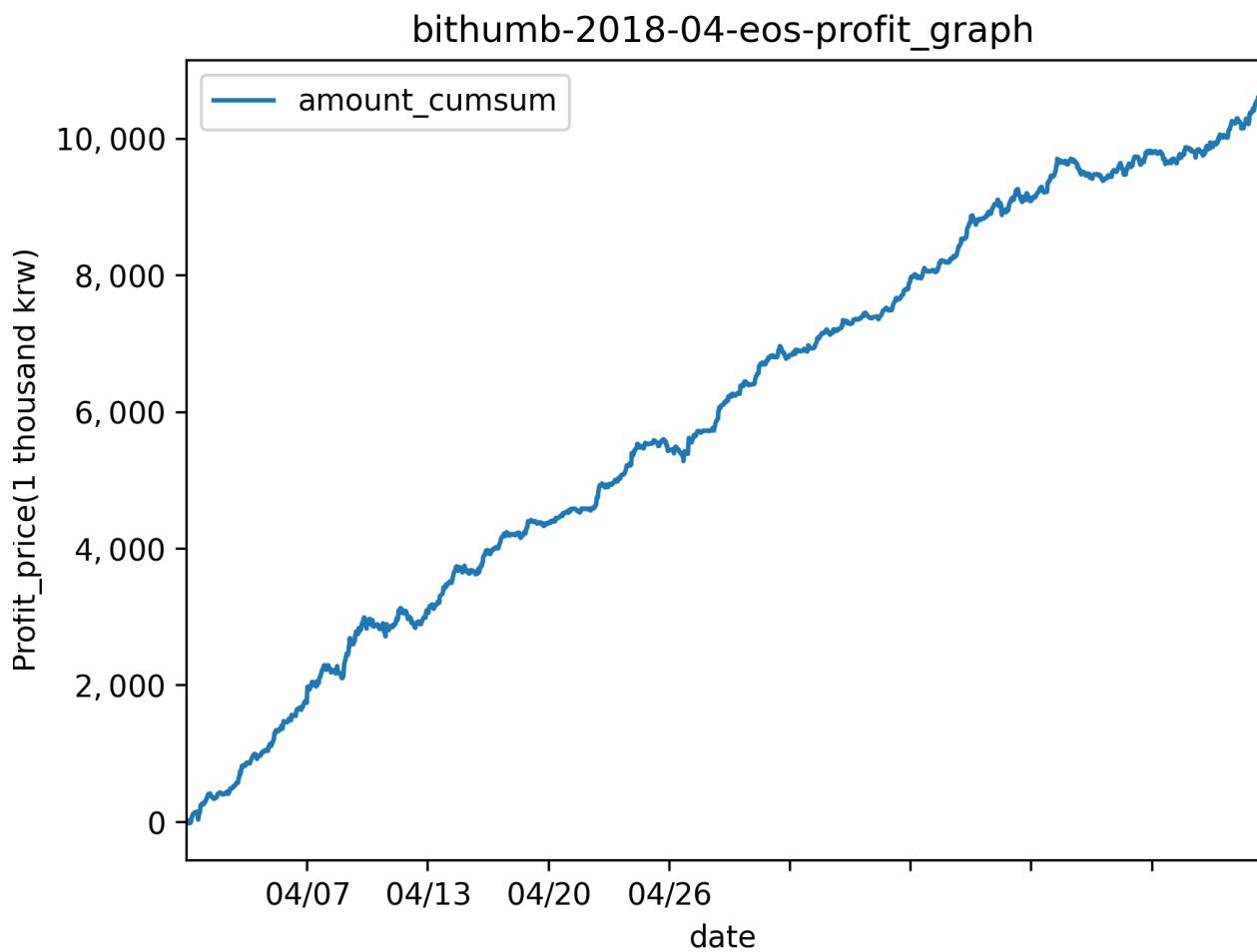
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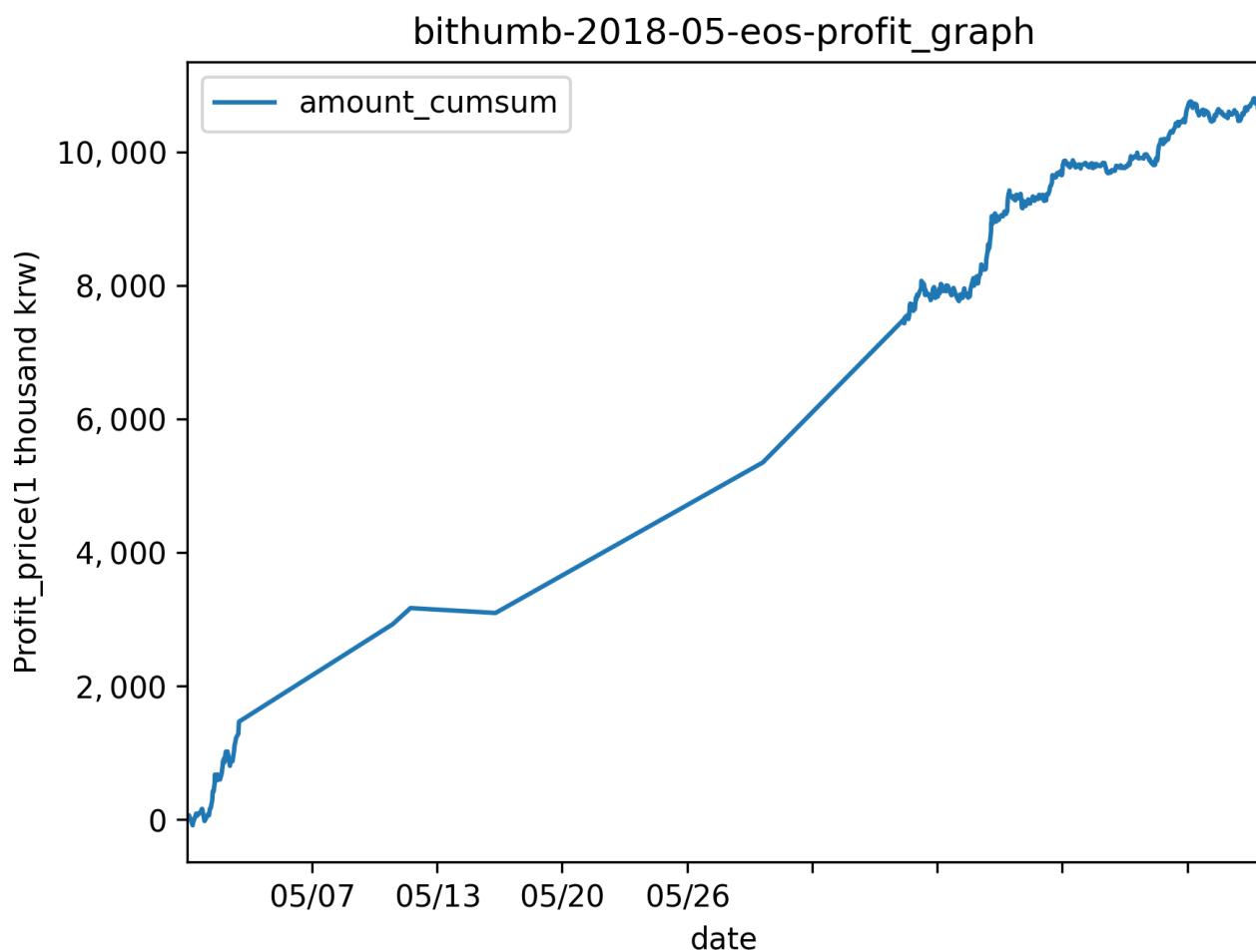
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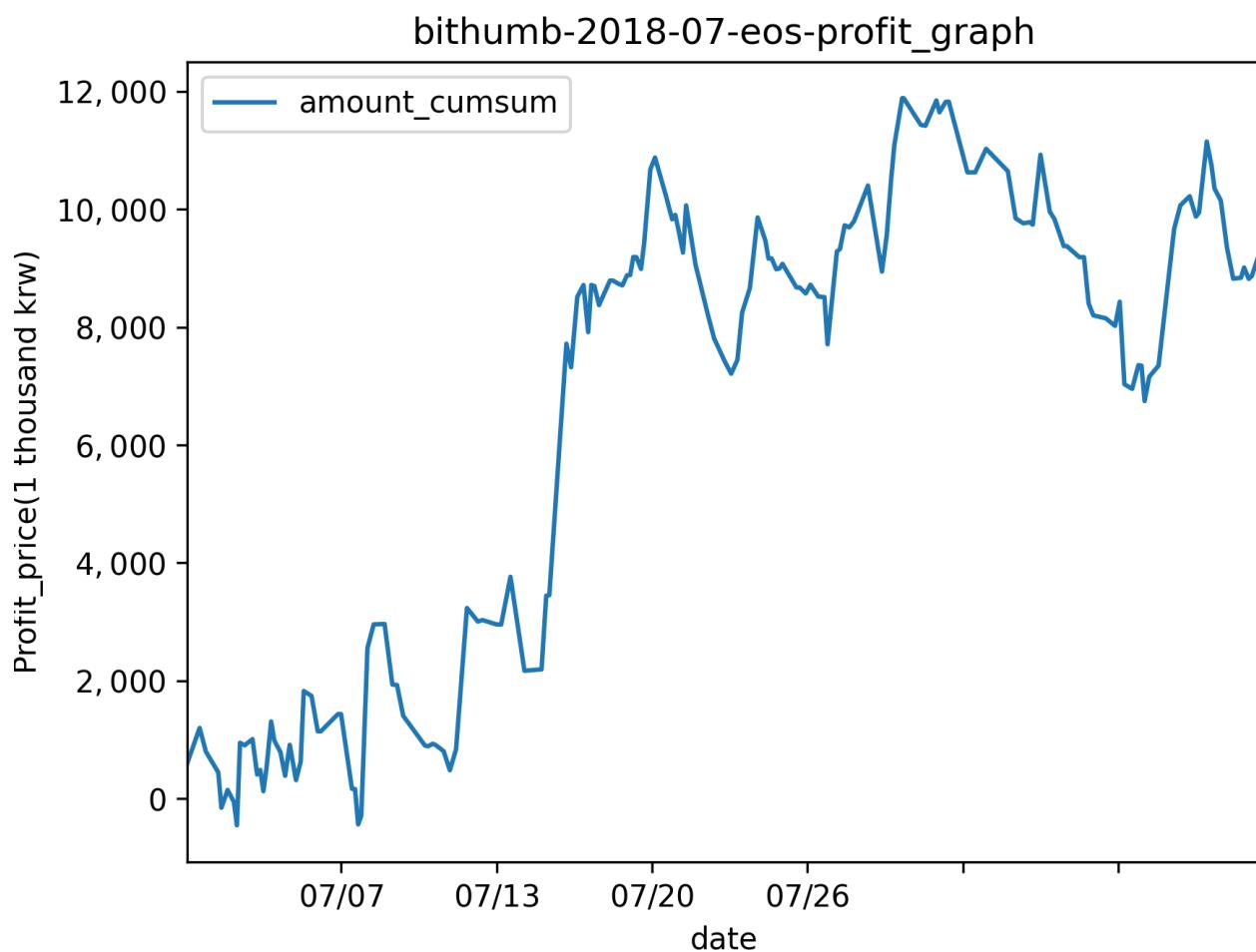
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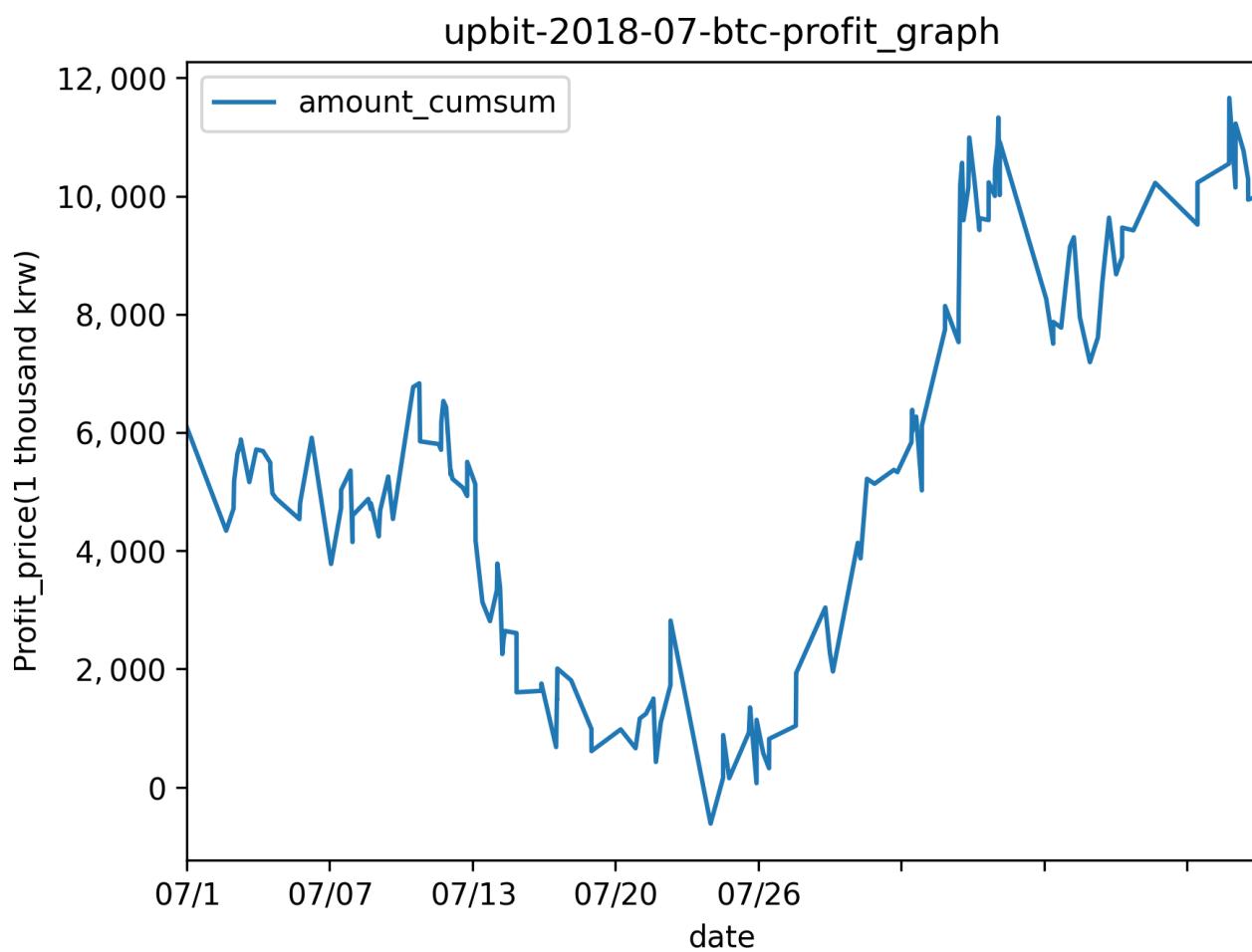
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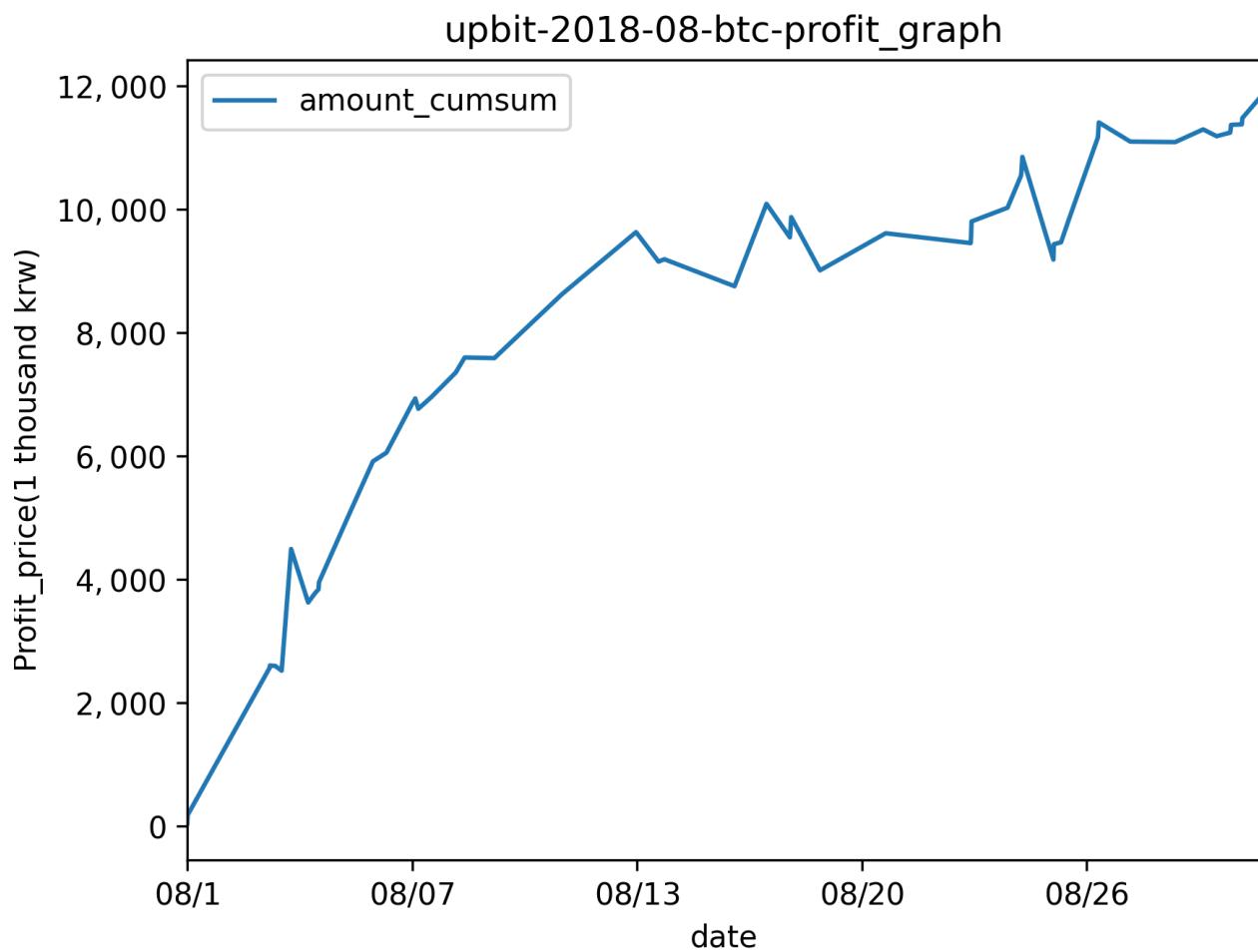
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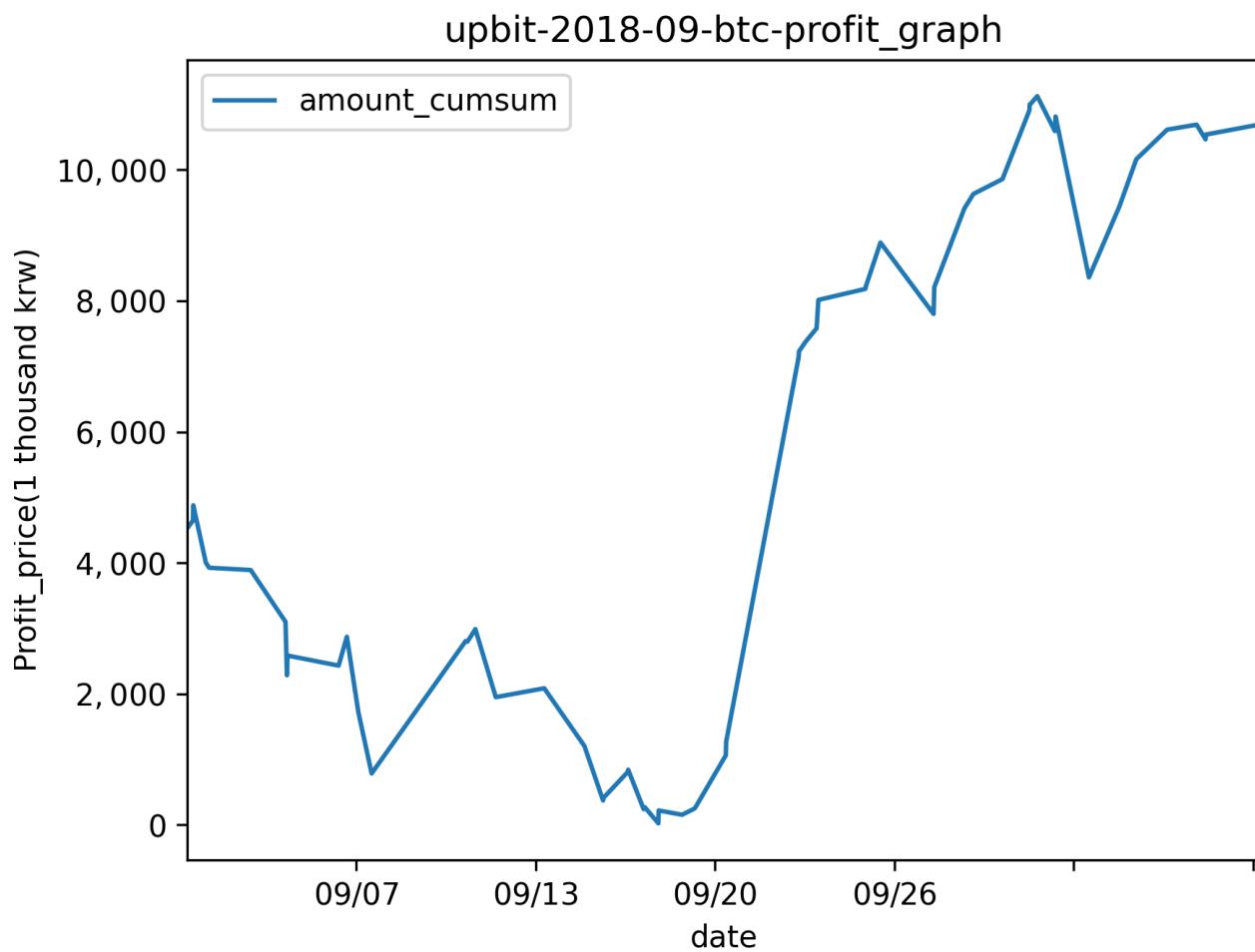
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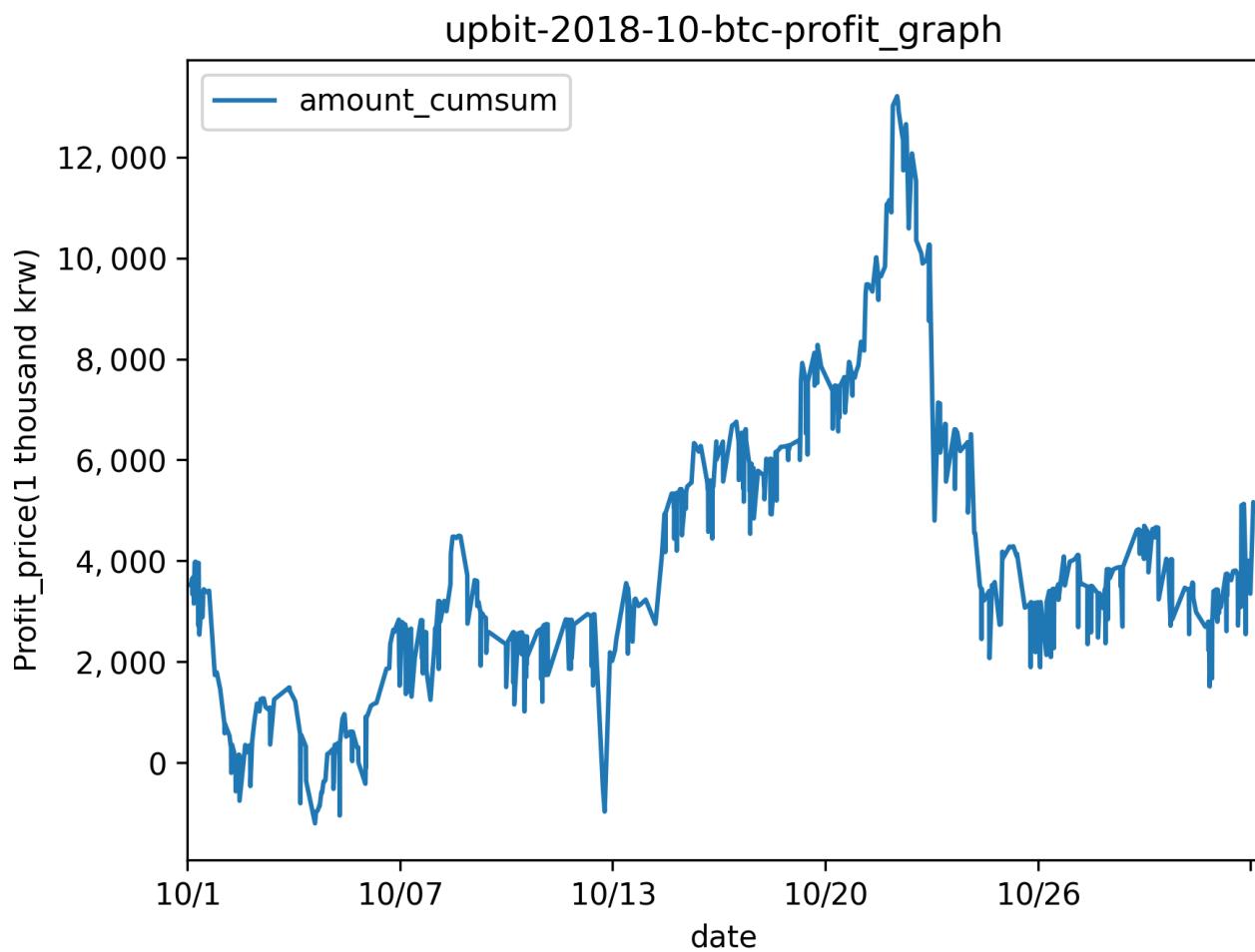
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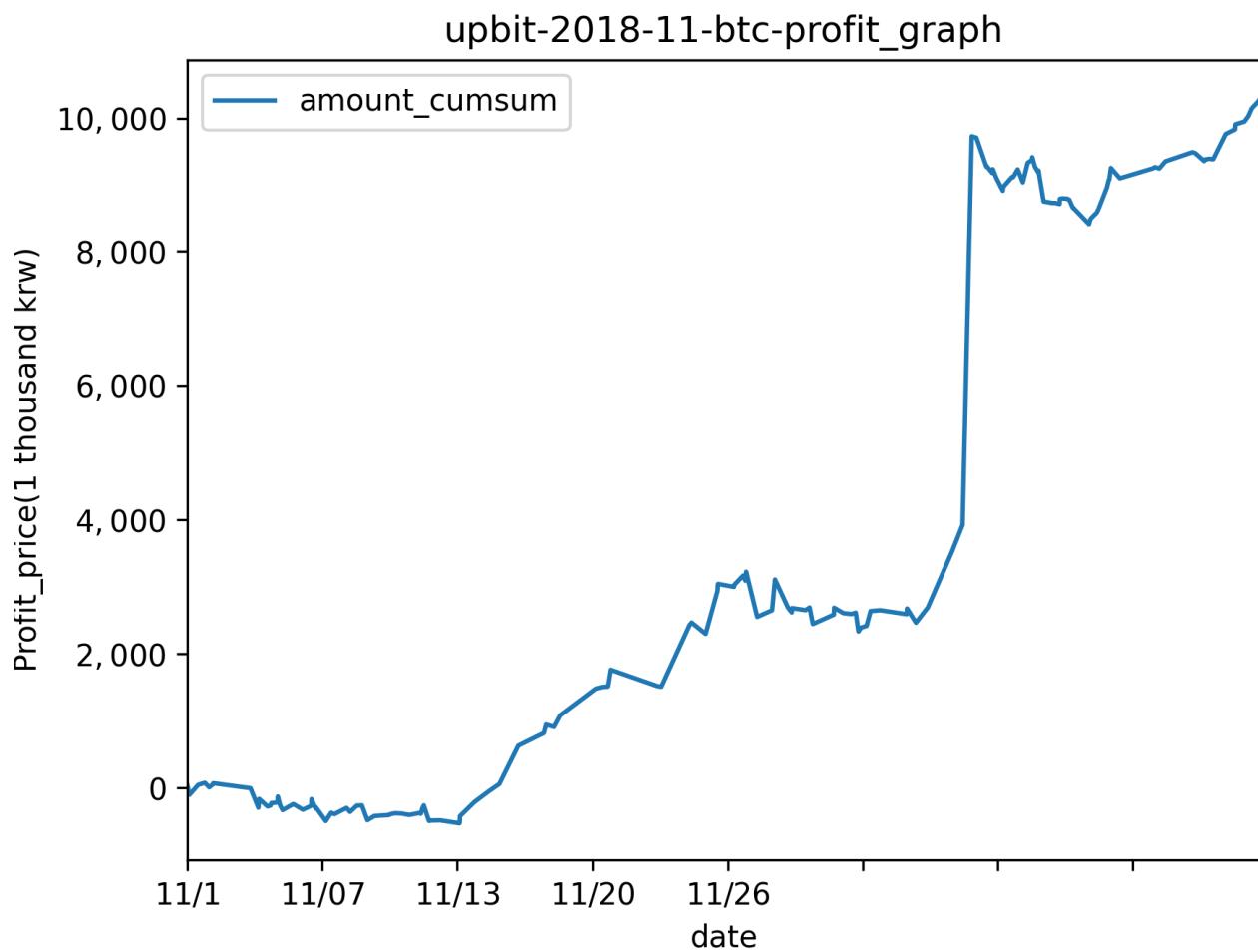
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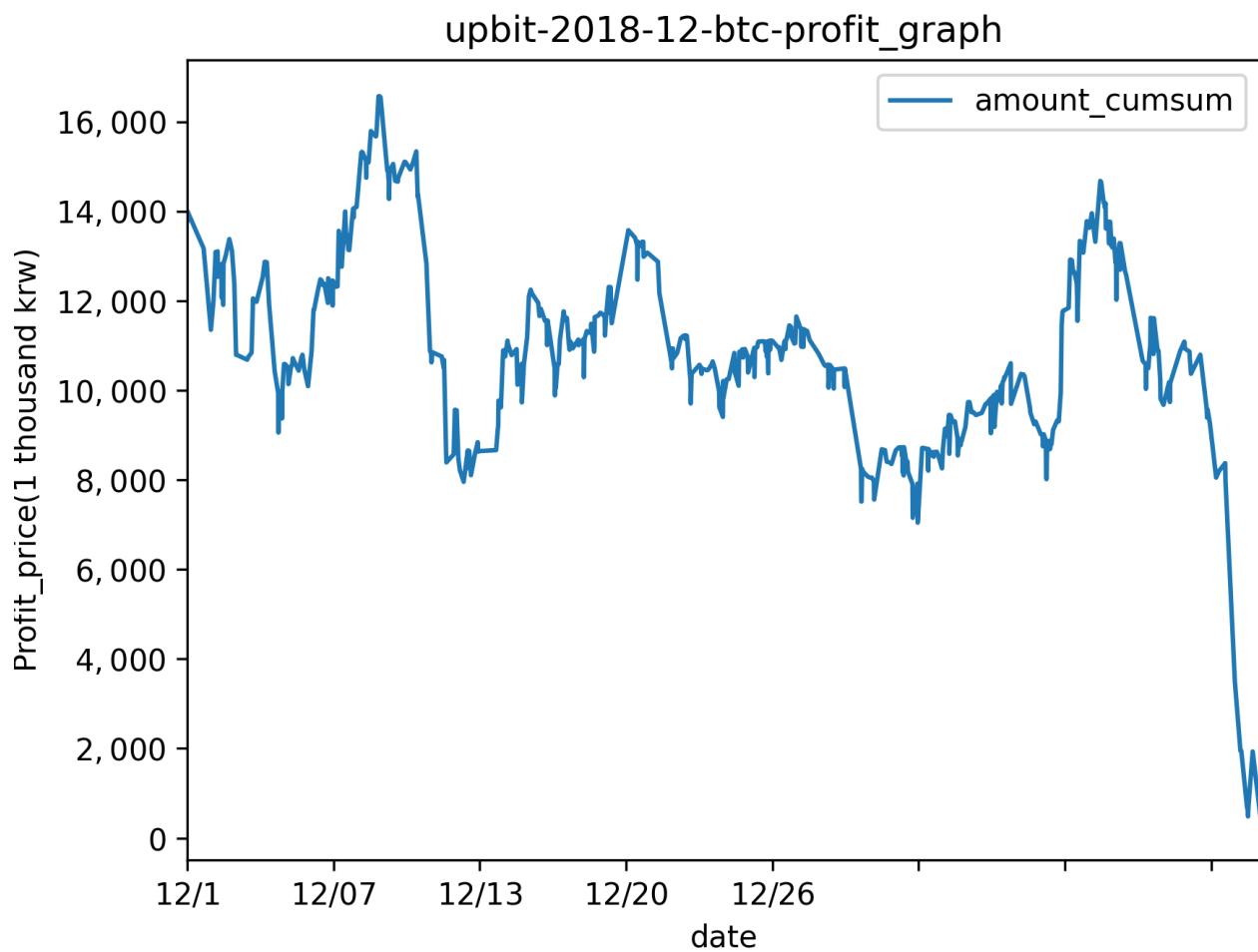
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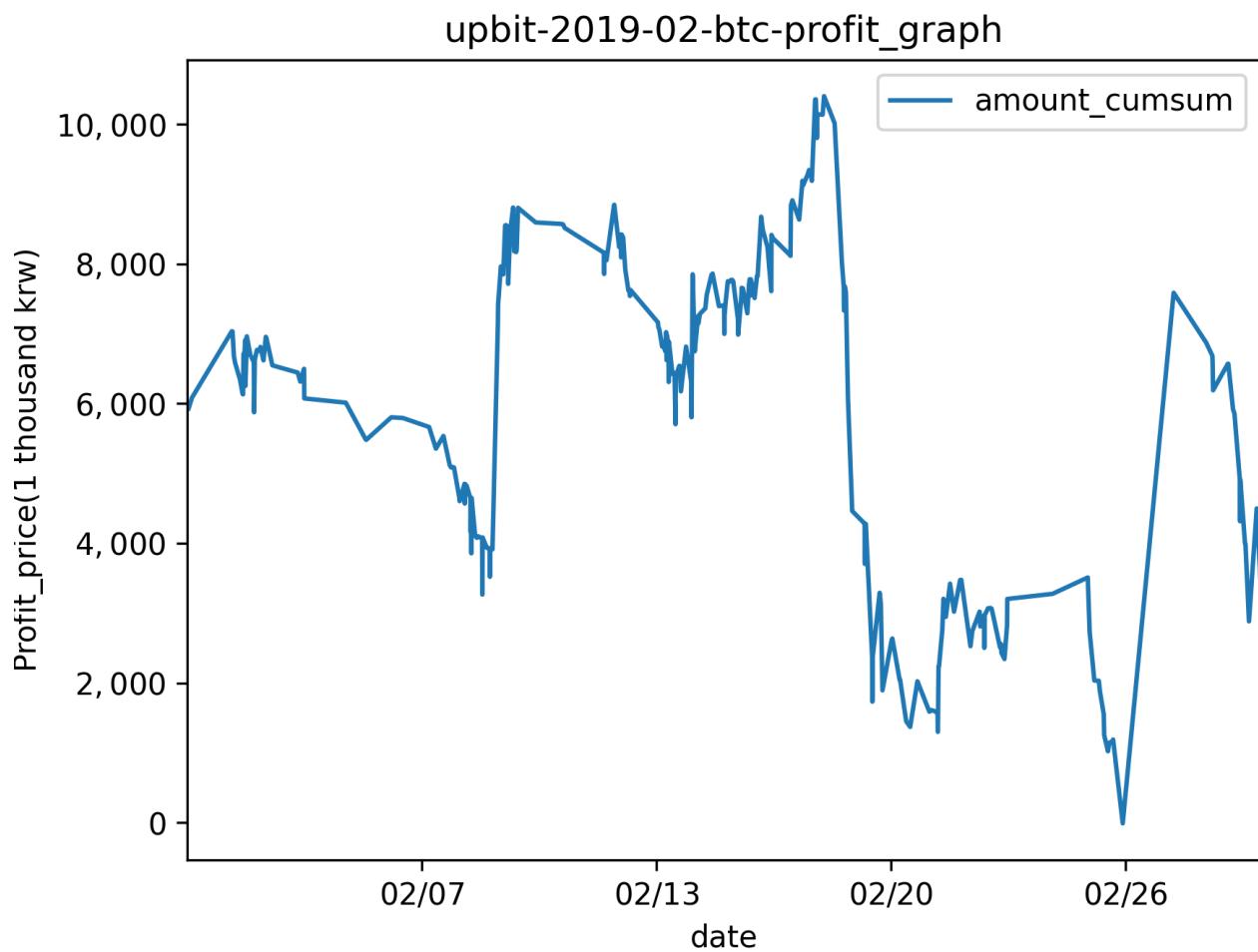
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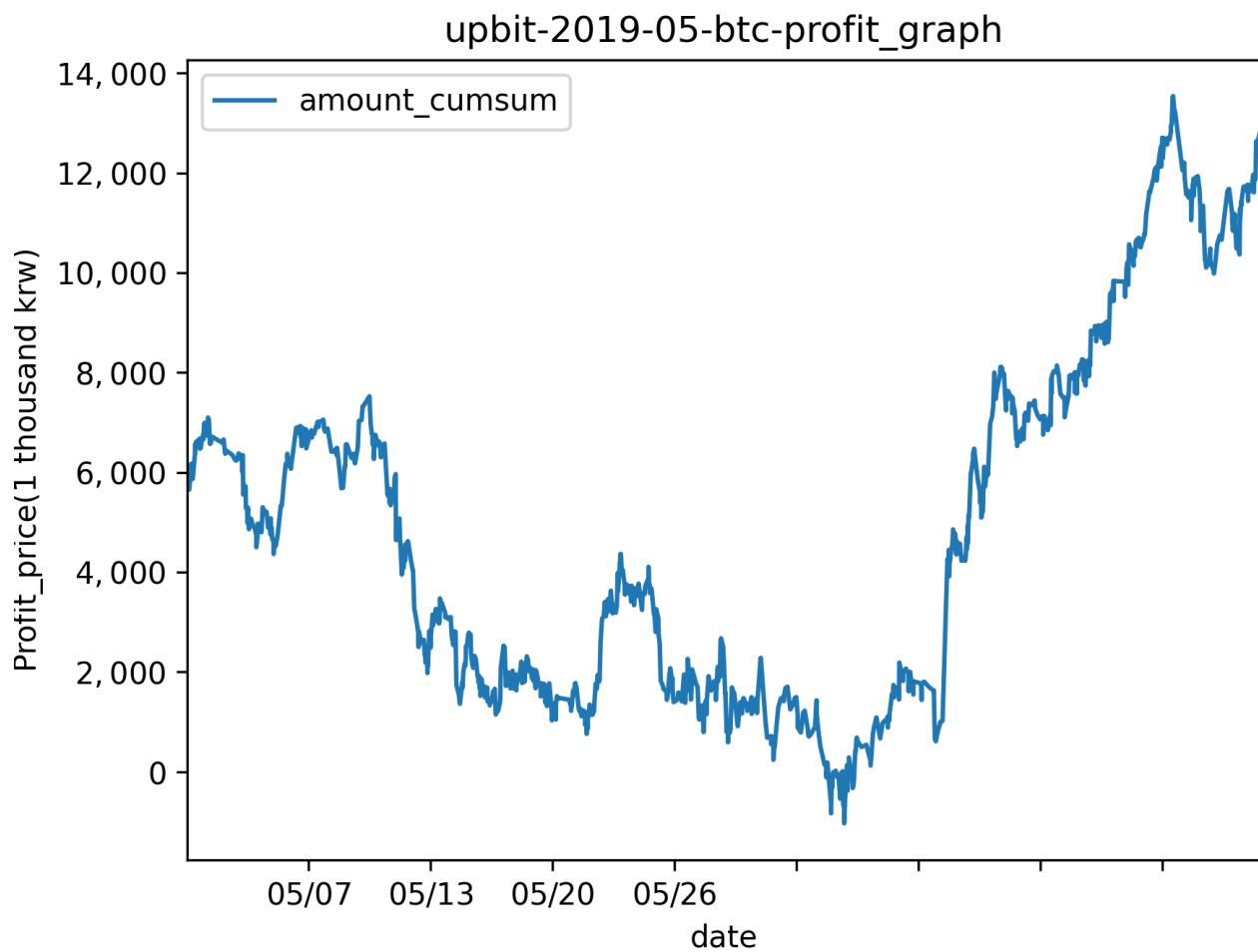
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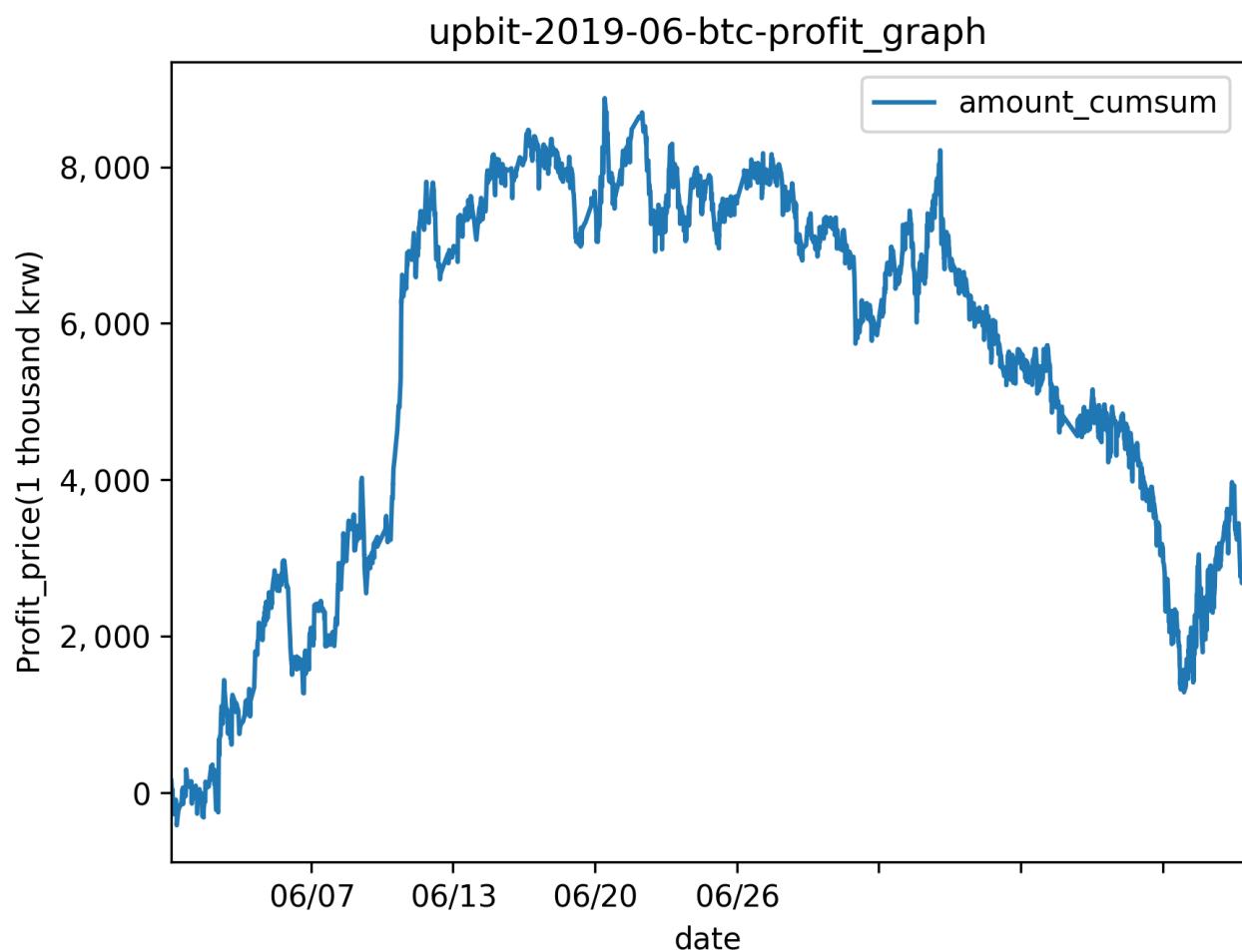
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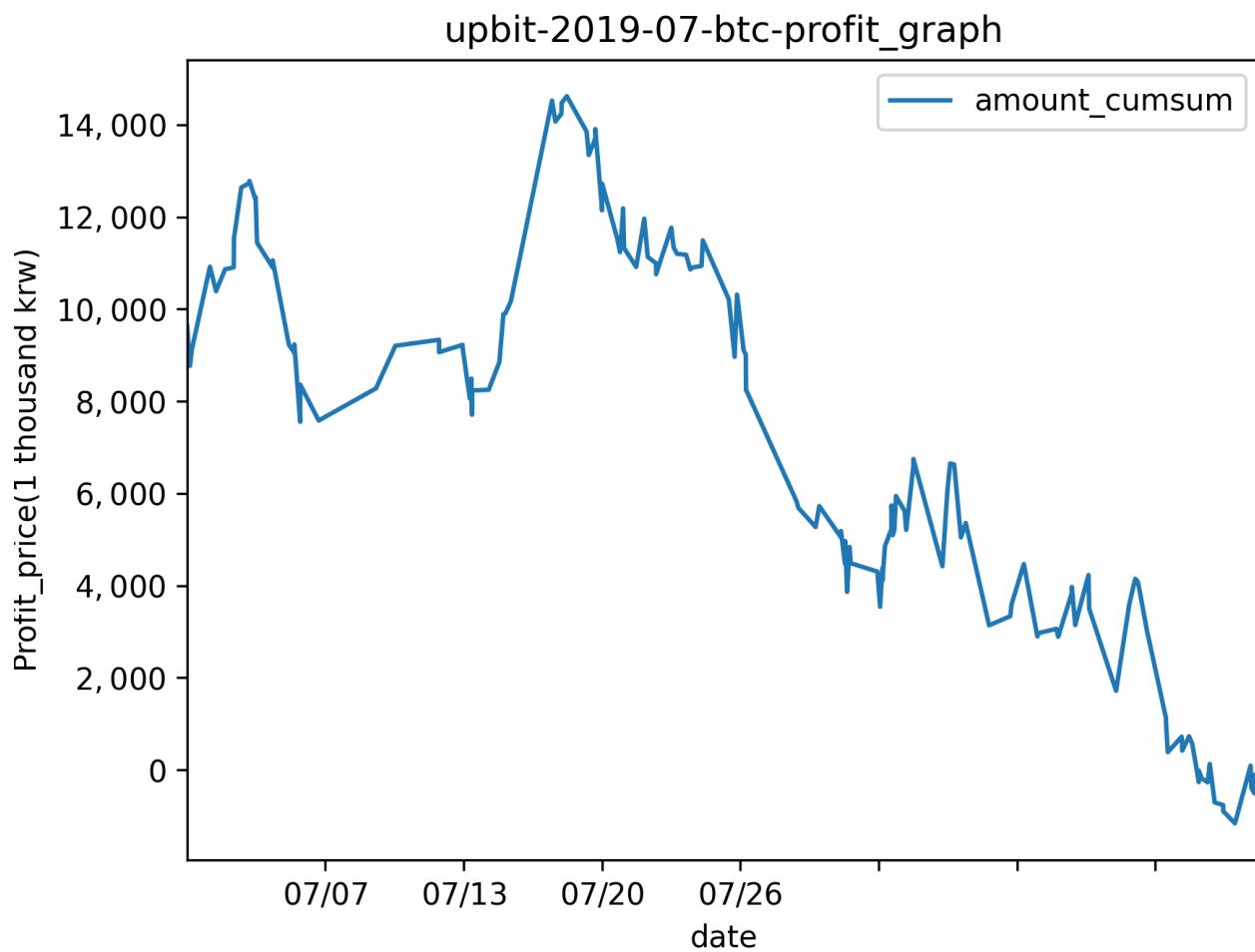
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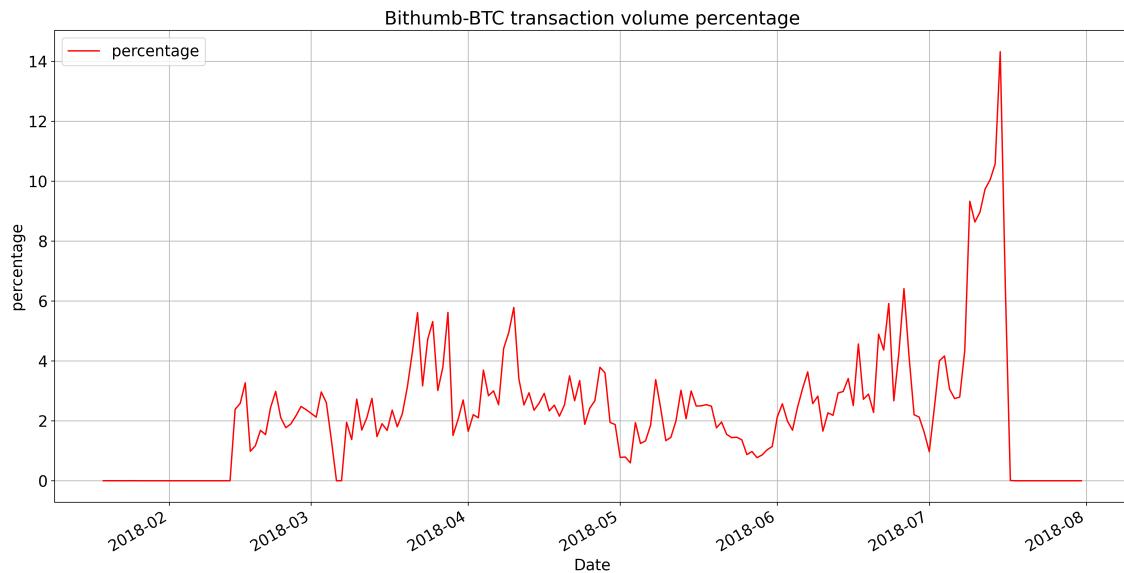


upbit-2019-07-btc-profit\_graph



Bithumb-BTC 2018 January to 2018 August

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timestamp	closing_Price	Trans(BTC)	bithumb_Transaction(KRW)	privateAccount	percentage
2018.7.31	8735000	2670	23322450000	0	0
2018.7.30	9224000	1510	13928240000	0	0
2018.7.29	9185000	940	8633900000	0	0

timestamp	closing_Price	Trans(BTC)	bithumb_Transaction(KRW)	privateAccount	percentage
2018.7.28	9195000	940	8643300000	0	0
2018.7.27	9100000	2940	26754000000	0	0
2018.7.26	8935000	2570	22962950000	0	0
2018.7.25	9150000	2840	25986000000	0	0
2018.7.24	9195000	6270	57652650000	0	0
2018.7.23	8752000	3120	27306240000	0	0
2018.7.22	8325000	1860	15484500000	0	0
2018.7.21	8384000	1610	13498240000	0	0
2018.7.20	8351000	3560	29729560000	0	0
2018.7.19	8440000	2960	24982400000	0	0
2018.7.18	8300000	4790	39757000000	0	0
2018.7.17	8031000	4170	33489270000	2533822	0.007566071
2018.7.16	7475000	4940	36926500000	2407638973	6.520084419
2018.7.15	7192000	1320	9493440000	1359579172	14.3212489
2018.7.14	7119000	1450	10322550000	1091471433	10.5736609
2018.7.13	7075000	2290	16201750000	1627665593	10.04623323
2018.7.12	7107000	2240	15919680000	1549419756	9.732731789
2018.7.11	7236000	2690	19464840000	1745363933	8.966752015
2018.7.10	7145000	3590	25650550000	2215535773	8.637381159
2018.7.9	7486000	3350	25078100000	2339370485	9.328340205
2018.7.8	7494000	4380	32823720000	1425871853	4.344028809
2018.7.7	7544000	5300	39983200000	1116354922	2.79205997
2018.7.6	7484000	5150	38542600000	1057734742	2.744326387
2018.7.5	7281000	4230	30798630000	941947326	3.058406578
2018.7.4	7261000	4660	33836260000	1409221482	4.164826379
2018.7.3	7197000	6090	43829730000	1755766966	4.005881318
2018.7.2	7253000	4910	35612230000	866976970	2.434492224
2018.7.1	7074000	4830	34167420000	332233212	0.972368449
2018.6.30	7143000	3370	24071910000	388063913	1.612102708
2018.6.29	6951000	3430	23841930000	506600605	2.124830519
2018.6.28	6650000	2760	18354000000	404429014	2.203492503
2018.6.27	6923000	1750	12115250000	503469656	4.155668732
2018.6.26	6872000	1830	12575760000	806319570	6.41169655
2018.6.25	7037000	2600	18296200000	781944756	4.273809622
2018.6.24	6985000	3570	24936450000	665933064	2.67052072
2018.6.23	7014000	2350	16482900000	975156383	5.916169988
2018.6.22	6909000	4610	31850490000	1389869919	4.363731669
2018.6.21	7473000	1580	11807340000	577768337	4.893298042
2018.6.20	7463000	5040	37613520000	857754020	2.280440703
2018.6.19	7504000	4550	34143200000	987655261	2.892685106
2018.6.18	7449000	3830	28529670000	776179842	2.720605748
2018.6.17	7214000	1860	13418040000	612433117	4.564251687
2018.6.16	7263000	2760	20045880000	503122911	2.509856943
2018.6.15	7298000	5370	39190260000	1337311449	3.412356665
2018.6.14	7355000	7530	55383150000	1650388152	2.979946341

timestamp	closing_Price	Trans(BTC)	bithumb_Transaction(KRW)	privateAccount	percentage
2018.6.13	7031000	6860	48232660000	1412388105	2.928281594
2018.6.12	7349000	6820	50120180000	1095018611	2.184785871
2018.6.11	7642000	6910	52806220000	1196636584	2.266090214
2018.6.10	7583000	7950	60284850000	999124585	1.657339423
2018.6.9	8238000	2690	22160220000	625962025	2.824710337
2018.6.8	8337000	3630	30263310000	779365340	2.575281223
2018.6.7	8365000	3700	30950500000	1124527034	3.633308134
2018.6.6	8350000	3900	32565000000	1003636235	3.081947597
2018.6.5	8349000	4180	34898820000	857309460	2.456557156
2018.6.4	8252000	4580	37794160000	638058166	1.688245396
2018.6.3	8420000	3880	32669600000	650794236	1.992048375
2018.6.2	8329000	4340	36147860000	928193266	2.567768233
2018.6.1	8278000	4510	37333780000	794460718	2.12799432
2018.5.31	8272000	5960	49301120000	563514765	1.143006011
2018.5.30	8199000	6850	56163150000	580552058	1.033688563
2018.5.29	8303000	7340	60944020000	524002315	0.85980924
2018.5.28	7888000	7090	55925920000	431632616	0.771793501
2018.5.27	8173000	2980	24355540000	237710205	0.976000553
2018.5.26	8164000	3660	29880240000	261136899	0.873945119
2018.5.25	8320000	6000	49920000000	681984676	1.3661552
2018.5.24	8403000	8650	72685950000	1055529545	1.452178234
2018.5.23	8485000	9400	79759000000	1147547739	1.438768965
2018.5.22	8951000	6000	53706000000	833107084	1.551236517
2018.5.21	9331000	5220	48707820000	954023745	1.958666483
2018.5.20	9373000	4770	44709210000	789460214	1.765766414
2018.5.19	9100000	3930	35763000000	889631353	2.487574736
2018.5.18	9169000	6500	59598500000	1514323102	2.540874522
2018.5.17	9069000	6820	61850580000	1546594426	2.500533424
2018.5.16	9303000	8850	82331550000	2052901506	2.493456647
2018.5.15	9509000	8640	82157760000	2460913560	2.995351334
2018.5.14	9790000	10160	99466400000	2061334907	2.072393197
2018.5.13	9809000	6330	62090970000	1876379212	3.021984053
2018.5.12	9491000	9730	92347430000	1844350809	1.997186937
2018.5.11	9251000	13040	120633000000	1748230958	1.449214045
2018.5.10	9980000	6880	68662400000	918973913	1.338394686
2018.5.9	10388000	7170	74481960000	1790217680	2.403558768
2018.5.8	10233000	6550	67026150000	2261280750	3.373729134
2018.5.7	10437000	8430	87983910000	1633907661	1.857052796
2018.5.6	10684000	7590	81091560000	1079537488	1.331257517
2018.5.5	10828000	7090	76770520000	955927119	1.245174735
2018.5.4	10649000	8770	93391730000	1812511408	1.940762215
2018.5.3	10676000	13410	143165000000	853401686	0.596095926
2018.5.2	10034000	7000	70238000000	556368315	0.792118675
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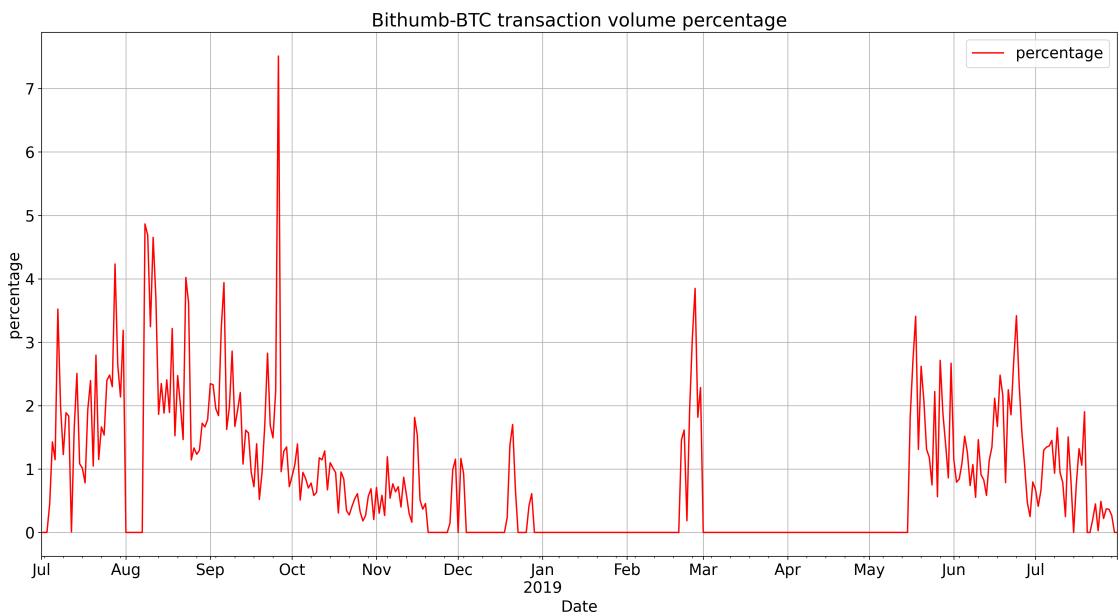
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2018.4.28	10043000	8550	85867650000	3091488833	3.600295144
2018.4.27	9816000	10060	98748960000	3741074155	3.788469423
2018.4.26	10132000	15110	153095000000	4090294118	2.671744304
2018.4.25	9805000	19390	190119000000	4607088412	2.423266283
2018.4.24	10538000	15770	166184000000	3133221639	1.885390132
2018.4.23	9757000	9320	90935240000	3039713084	3.342722892
2018.4.22	9594000	8980	86154120000	2300730074	2.670481776
2018.4.21	9706000	13380	129866000000	4546992664	3.501288143
2018.4.20	9570000	16680	159628000000	4044945575	2.533988843
2018.4.19	8976000	15000	134640000000	2903250128	2.156305799
2018.4.18	8649000	10470	90555030000	2284977054	2.523302189
2018.4.17	8464000	9650	81677600000	1904516557	2.331748921
2018.4.16	8651000	10500	90835500000	2649253097	2.916539345
2018.4.15	8657000	9750	84405750000	2188201201	2.592478831
2018.4.14	8331000	10360	86309160000	2031901304	2.354212814
2018.4.13	8372000	18780	157226000000	4615629370	2.935662469
2018.4.12	8131000	26320	214008000000	5414905338	2.530235955
2018.4.11	7422000	9740	72290280000	2458650130	3.401079827
2018.4.10	7404000	7860	58195440000	3366088716	5.784110776
2018.4.9	7443000	12710	94600530000	4679980761	4.947097824
2018.4.8	7608000	6980	53103840000	2345721646	4.41723545
2018.4.7	7524000	9670	72757080000	1847749829	2.539615154
2018.4.6	7265000	9170	66620050000	1998850076	3.000373125
2018.4.5	7395000	18250	134959000000	3832762228	2.839950895
2018.4.4	7500000	14340	107550000000	3969862612	3.691178626
2018.4.3	8095000	15270	123611000000	2596054951	2.100187121
2018.4.2	7704000	11310	87132240000	1922367203	2.206263954
2018.4.1	7469000	12820	95752580000	1579443058	1.649504439
2018.3.31	7682000	13020	100020000000	2696671094	2.696141572
2018.3.30	7594000	21570	163803000000	3351835218	2.046265216
2018.3.29	7884000	16380	129140000000	1958198700	1.51633879
2018.3.28	8720000	8150	71068000000	3991340224	5.616227028
2018.3.27	8638000	12250	105816000000	4013175378	3.792615806
2018.3.26	9045000	12340	111615000000	3362233197	3.012340779
2018.3.25	9466000	8170	77337220000	4109445995	5.313671729
2018.3.24	9560000	10930	104491000000	4928844504	4.717012889
2018.3.23	9855000	13390	131958000000	4181688861	3.168943604
2018.3.22	9765000	12930	126261000000	7081945877	5.608953388
2018.3.21	9916000	17170	170258000000	7357500987	4.321390529
2018.3.20	9828000	21200	208354000000	6542098235	3.139901703
2018.3.19	9707000	24360	236463000000	5291113541	2.237611923
2018.3.18	8985000	20330	182665000000	3290579789	1.801428237
2018.3.17	8653000	11290	97692370000	2303541787	2.357954656
2018.3.16	9080000	15850	143918000000	2416980924	1.679415309

timestamp	closing_Price	Trans(BTC)	bithumb_Transaction(KRW)	privateAccount	percentage
2018.3.15	9091000	25100	228184000000	4342824566	1.903210857
2018.3.14	9141000	22060	201650000000	2974781490	1.475216813
2018.3.13	10139000	18900	191627000000	5267633016	2.748897737
2018.3.12	10206000	20210	206263000000	4344435566	2.106257588
2018.3.11	10493000	18540	194540000000	3293140751	1.692781447
2018.3.10	9867000	15570	153629000000	4184496520	2.723763967
2018.3.9	10370000	28350	293990000000	4045142965	1.375948109
2018.3.8	10470000	20210	211599000000	4126940733	1.950362045
2018.3.7	11146000	23860	265944000000	0	0
2018.3.6	11992000	15670	187915000000	0	0
2018.3.5	12734000	13390	170508000000	2305581143	1.352181497
2018.3.4	12569000	16130	202738000000	5287939680	2.608263109
2018.3.3	12799000	14960	191473000000	5674419144	2.963560376
2018.3.2	12441000	19480	242351000000	5145449649	2.123142237
2018.3.1	12186000	12610	153665000000	3457315162	2.249897382
2018.2.28	11822000	17790	210313000000	4993303176	2.374220402
2018.2.27	11922000	19410	231406000000	5740524649	2.480715346
2018.2.26	11745000	21550	253105000000	5484101948	2.166732133
2018.2.25	11208000	15170	170025000000	3225412432	1.89701844
2018.2.24	11524000	19260	221952000000	3930137340	1.770713078
2018.2.23	12049000	24970	300864000000	6345763652	2.109183407
2018.2.22	11725000	28500	334163000000	9964204183	2.981843918
2018.2.21	12808000	34290	439186000000	10747716344	2.447188324
2018.2.20	13516000	28880	390342000000	6013066426	1.540460723
2018.2.19	12663000	16450	208306000000	3506012859	1.683104168
2018.2.18	11961000	31020	371030000000	4343122597	1.170557643
2018.2.17	12360000	22600	279336000000	2747684700	0.983648617
2018.2.16	11431000	11880	135800000000	4439990225	3.269500052
2018.2.15	11370000	17220	195791000000	5057773330	2.583245909
2018.2.14	10469000	12320	128978000000	3076960498	2.385646071
2018.2.13	9878000	9640	95223920000	0	0
2018.2.12	10137000	11770	119312000000	0	0
2018.2.11	9302000	13240	123158000000	0	0
2018.2.10	9928000	16760	166393000000	0	0
2018.2.9	9970000	14550	145064000000	0	0
2018.2.8	9473000	15430	146168000000	0	0
2018.2.7	8366000	16250	135948000000	0	0
2018.2.6	8584000	24470	210050000000	0	0
2018.2.5	7807000	15340	119759000000	0	0
2018.2.4	8967000	11850	106259000000	0	0
2018.2.3	9538000	11660	111213000000	0	0
2018.2.2	9415000	23700	223136000000	0	0
2018.2.1	10061000	12550	126266000000	0	0
2018.1.31	11450000	9710	111180000000	44438	0.00005
2018.1.30	11581000	9340	108167000000	0	0

timestamp	closing_Price	Trans(BTC)	bithumb_Transaction(KRW)	privateAccount	percentage
2018.1.29	12847000	7950	102134000000	0	0
2018.1.28	13289000	10780	143255000000	0	0
2018.1.27	12861000	9760	125523000000	0	0
2018.1.26	12871000	16030	206322000000	0	0
2018.1.25	12934000	10840	140205000000	2873385	0.002049423
2018.1.24	13470000	14450	194642000000	1132280	0.000581726
2018.1.23	13094000	16790	219848000000	1265245	0.000575508
2018.1.22	13973000	15690	219236000000	976274	0.000445307
2018.1.21	14521000	14900	216363000000	2405151	0.001111628
2018.1.20	16799000	27770	466508000000	2477956	0.000531171
2018.1.19	15292000	13760	210418000000	1616316	0.000768146
2018.1.18	14820000	19750	292695000000	0	0
2018.1.17	14706000	24350	358091000000	0	0
2018.1.16	14317000	26000	372242000000	0	0
2018.1.15	19068000	11540	220045000000	0	0
2018.1.14	19142000	9310	178212000000	0	0
2018.1.13	20711000	10850	224714000000	0	0
2018.1.12	20316000	11910	241964000000	0	0
2018.1.11	19147000	13750	263271000000	0	0
2018.1.10	20500000	12370	253585000000	0	0
2018.1.9	22595000	11850	267751000000	0	0
2018.1.8	23737000	10470	248526000000	0	0
2018.1.7	24928000	8560	213384000000	0	0
2018.1.6	24771000	20010	495668000000	0	0
2018.1.5	25026000	25290	632908000000	0	0
2018.1.4	21576000	14730	317814000000	0	0
2018.1.3	20419000	15670	319966000000	0	0
2018.1.2	19838000	17460	346371000000	0	0
2018.1.1	18655000	10240	191027000000	0	0

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timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.7.31	11949000	8040	96069960000	0	0
2019.7.30	11337000	4770	54077490000	0	0
2019.7.29	11290000	4960	55998400000	149563963	0.267086136
2019.7.28	11301000	4660	52662660000	191553606	0.36373705
2019.7.27	11309000	8270	93525430000	348527914	0.372655773
2019.7.26	11676000	5530	64568280000	141934806	0.219821259
2019.7.25	11735000	7070	82966450000	406208475	0.489605708
2019.7.24	11611000	8790	102061000000	27963911	0.027399296
2019.7.23	11811000	9190	108543000000	488115936	0.449697844
2019.7.22	12298000	7620	93710760000	187777569	0.200379945
2019.7.21	12565000	7500	94237500000	0	0
2019.7.20	12776000	12760	163022000000	0	0
2019.7.19	12552000	16960	212882000000	4049826020	1.902381386
2019.7.18	12651000	30340	383831000000	4063796404	1.058745334
2019.7.17	11655000	29420	342890000000	4525843087	1.319910691
2019.7.16	11419000	25500	291185000000	2249095801	0.77239544
2019.7.15	13186000	23610	311321000000	0	0
2019.7.14	12433000	18600	231254000000	1911394902	0.826535565
2019.7.13	13814000	10520	145323000000	2187511195	1.50527238
2019.7.12	14173000	17830	252705000000	632463266	0.250277712
2019.7.11	13789000	25450	350930000000	2766584309	0.788357768
2019.7.10	14610000	29000	423690000000	4015603964	0.947769351
2019.7.9	14946000	18410	275156000000	4541821242	1.65063584
2019.7.8	14571000	13220	192629000000	1799694363	0.934281917
2019.7.7	13660000	6100	83326000000	1209128188	1.451081521
2019.7.6	13598000	11020	149850000000	2042531740	1.363051241
2019.7.5	13333000	15600	207995000000	2798288228	1.345364513
2019.7.4	13542000	17780	240777000000	3114085625	1.293349751
2019.7.3	14415000	29700	428126000000	2838720097	0.663057934

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.7.2	13205000	33650	444348000000	1833453589	0.412616363
2019.7.1	13005000	25150	327076000000	2211080634	0.676014848
2019.6.30	13566000	15810	214478000000	1707515200	0.796124329
2019.6.29	14583000	20520	299243000000	749431991	0.25044248
2019.6.28	15311000	34250	524402000000	2474171874	0.47180847
2019.6.27	13994000	53630	750498000000	7968055298	1.061702091
2019.6.26	15854000	49350	782395000000	12330481195	1.575992021
2019.6.25	13952000	15990	223092000000	5204821316	2.333033061
2019.6.24	12891000	8410	108413000000	3705286034	3.417740897
2019.6.23	12689000	10600	134503000000	3633328990	2.701291558
2019.6.22	12400000	24080	298592000000	5541327801	1.855819245
2019.6.21	11982000	10030	120179000000	2702537276	2.248751389
2019.6.20	11349000	8730	99076770000	778968197	0.786226879
2019.6.19	11065000	5150	56984750000	1230138648	2.15871553
2019.6.18	10913000	7160	78137080000	1938003839	2.480261406
2019.6.17	11046000	8590	94885140000	1585866932	1.671354368
2019.6.16	10714000	12030	128889000000	2726371647	2.11527963
2019.6.15	10523000	6510	68504730000	922770448	1.34701713
2019.6.14	10467000	8250	86352750000	979378579	1.134160266
2019.6.13	9931000	5730	56904630000	332237341	0.5838494
2019.6.12	9802000	7050	69104100000	572296120	0.828165217
2019.6.11	9587000	5510	52824370000	480522072	0.909659826
2019.6.10	9730000	6740	65580200000	958811708	1.462044501
2019.6.9	9480000	5370	50907600000	281912402	0.553772722
2019.6.8	9736000	4770	46440720000	497025426	1.070236262
2019.6.7	9750000	7870	76732500000	567419835	0.739477842
2019.6.6	9488000	6690	63474720000	797793555	1.256868175
2019.6.5	9586000	11680	111964000000	1699471664	1.517866795
2019.6.4	9496000	13610	129241000000	1409752251	1.090797077
2019.6.3	9994000	8900	88946600000	748942710	0.842013871
2019.6.2	10508000	6860	72084880000	571343820	0.792598698
2019.6.1	10350000	5510	57028500000	657205161	1.152415303
2019.5.31	10372000	9580	99363760000	2650605821	2.667578019
2019.5.30	10113000	14080	142391000000	1226549952	0.861395459
2019.5.29	10325000	8370	86420250000	1195340080	1.383171282
2019.5.28	10334000	6740	69651160000	1307520778	1.877241927
2019.5.27	10381000	12060	125195000000	3396941112	2.713323144
2019.5.26	10300000	11090	114227000000	643371729	0.563239627
2019.5.25	9582000	4420	42352440000	940533298	2.220729899
2019.5.24	9583000	8930	85576190000	641751780	0.749918616
2019.5.23	9488000	9620	91274560000	1080735193	1.184048647
2019.5.22	9319000	8860	82566340000	1081994434	1.31045464
2019.5.21	9511000	9780	93017580000	1936830686	2.082220034
2019.5.20	9583000	11460	109821000000	2876812533	2.619542545
2019.5.19	9713000	16390	159196000000	2085980719	1.310321743

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.5.18	8823000	11610	102435000000	3491001684	3.408015485
2019.5.17	8891000	22060	196135000000	5320371673	2.712600604
2019.5.16	9462000	17060	161422000000	2955497512	1.830916875
2019.5.15	9606000	17860	171563000000	0	0
2019.5.14	9494000	25060	237920000000	0	0
2019.5.13	9232000	26610	245664000000	0	0
2019.5.12	8171000	21050	172000000000	0	0
2019.5.11	8382000	24010	201252000000	0	0
2019.5.10	7494000	10600	79436400000	0	0
2019.5.9	7272000	9560	69520320000	0	0
2019.5.8	6945000	5630	39100350000	0	0
2019.5.7	6753000	7370	49769610000	0	0
2019.5.6	6620000	3960	26215200000	0	0
2019.5.5	6702000	3200	21446400000	0	0
2019.5.4	6718000	7000	47026000000	0	0
2019.5.3	6596000	11090	73149640000	0	0
2019.5.2	6328000	5230	33095440000	0	0
2019.5.1	6192000	3940	24396480000	0	0
2019.4.30	6116000	5330	32598280000	0	0
2019.4.29	6029000	5700	34365300000	0	0
2019.4.28	6137000	3980	24425260000	0	0
2019.4.27	6114000	3100	18953400000	0	0
2019.4.26	6137000	10590	64990830000	0	0
2019.4.25	6118000	8240	50412320000	0	0
2019.4.24	6413000	11840	75929920000	0	0
2019.4.23	6449000	10860	70036140000	0	0
2019.4.22	6237000	6660	41538420000	0	0
2019.4.21	6145000	5970	36685650000	0	0
2019.4.20	6141000	3990	24502590000	0	0
2019.4.19	6087000	6350	38652450000	0	0
2019.4.18	6070000	8490	51534300000	0	0
2019.4.17	6003000	5950	35717850000	0	0
2019.4.16	6024000	7500	45180000000	0	0
2019.4.15	5862000	8100	47482200000	0	0
2019.4.14	5958000	4220	25142760000	0	0
2019.4.13	5889000	4230	24910470000	0	0
2019.4.12	5896000	8430	49703280000	0	0
2019.4.11	5858000	14340	84003720000	0	0
2019.4.10	6166000	8320	51301120000	0	0
2019.4.9	6003000	7550	45322650000	0	0
2019.4.8	6091000	11260	68584660000	0	0
2019.4.7	5910000	8600	50826000000	0	0
2019.4.6	5792000	10080	58383360000	0	0
2019.4.5	5685000	12730	72370050000	0	0
2019.4.4	5567000	11970	66636990000	0	0

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.4.3	5594000	23010	128718000000	0	0
2019.4.2	5410000	35770	193516000000	0	0
2019.4.1	4710000	13060	61512600000	0	0
2019.3.31	4663000	7660	35718580000	0	0
2019.3.30	4636000	7110	32961960000	0	0
2019.3.29	4637000	8580	39785460000	0	0
2019.3.28	4551000	8950	40731450000	0	0
2019.3.27	4546000	6800	30912800000	0	0
2019.3.26	4493000	7150	32124950000	0	0
2019.3.25	4486000	9560	42886160000	0	0
2019.3.24	4525000	6140	27783500000	0	0
2019.3.23	4507000	4010	18073070000	0	0
2019.3.22	4490000	5770	25907300000	0	0
2019.3.21	4491000	9060	40688460000	0	0
2019.3.20	4533000	7160	32456280000	0	0
2019.3.19	4486000	6630	29742180000	0	0
2019.3.18	4457000	9500	42341500000	0	0
2019.3.17	4425000	4050	17921250000	0	0
2019.3.16	4445000	5140	22847300000	0	0
2019.3.15	4359000	7100	30948900000	0	0
2019.3.14	4336000	9700	42059200000	0	0
2019.3.13	4324000	8250	35673000000	0	0
2019.3.12	4322000	10290	44473380000	0	0
2019.3.11	4335000	10950	47468250000	0	0
2019.3.10	4335000	7250	31428750000	0	0
2019.3.9	4350000	9810	42673500000	0	0
2019.3.8	4310000	10010	43143100000	0	0
2019.3.7	4289000	5120	21959680000	0	0
2019.3.6	4260000	5280	22492800000	0	0
2019.3.5	4247000	7840	33296480000	0	0
2019.3.4	4158000	6150	25571700000	0	0
2019.3.3	4239000	2860	12123540000	0	0
2019.3.2	4254000	2990	12719460000	0	0
2019.3.1	4247000	3230	13717810000	0	0
2019.2.28	4241000	7140	30280740000	691862868	2.284828138
2019.2.27	4259000	6560	27939040000	507716375	1.817229135
2019.2.26	4232000	6240	26407680000	1016212457	3.848170142
2019.2.25	4255000	7130	30338150000	932426107	3.073444185
2019.2.24	4177000	10820	45195140000	876342303	1.939018892
2019.2.23	4478000	4950	22166100000	41095122	0.185396267
2019.2.22	4351000	4030	17534530000	283178493	1.614976238
2019.2.21	4328000	7640	33065920000	483041846	1.460845021
2019.2.20	4315000	5070	21877050000	0	0
2019.2.19	4259000	9220	39267980000	0	0
2019.2.18	4235000	9880	41841800000	0	0

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.2.17	4043000	6460	26117780000	0	0
2019.2.16	4005000	4940	19784700000	0	0
2019.2.15	3986000	4200	16741200000	0	0
2019.2.14	3984000	2820	11234880000	0	0
2019.2.13	3983000	3670	14617610000	0	0
2019.2.12	3981000	3920	15605520000	0	0
2019.2.11	3985000	3690	14704650000	0	0
2019.2.10	4023000	4850	19511550000	0	0
2019.2.9	3998000	4100	16391800000	0	0
2019.2.8	4009000	8680	34798120000	0	0
2019.2.7	3783000	4630	17515290000	0	0
2019.2.6	3791000	4560	17286960000	0	0
2019.2.5	3835000	3540	13575900000	0	0
2019.2.4	3822000	2850	10892700000	0	0
2019.2.3	3821000	2090	7985890000	0	0
2019.2.2	3855000	2190	8442450000	0	0
2019.2.1	3816000	3540	13508640000	0	0
2019.1.31	3775000	5910	22310250000	0	0
2019.1.30	3810000	7620	29032200000	0	0
2019.1.29	3795000	4040	15331800000	0	0
2019.1.28	3828000	5810	22240680000	0	0
2019.1.27	3951000	2880	11378880000	0	0
2019.1.26	3963000	3770	14940510000	0	0
2019.1.25	3957000	4590	18162630000	0	0
2019.1.24	3983000	4410	17565030000	0	0
2019.1.23	3996000	4400	17582400000	0	0
2019.1.22	4013000	6370	25562810000	0	0
2019.1.21	3976000	4740	18846240000	0	0
2019.1.20	3982000	4630	18436660000	0	0
2019.1.19	4115000	4320	17776800000	0	0
2019.1.18	4046000	4470	18085620000	0	0
2019.1.17	4078000	5730	23366940000	0	0
2019.1.16	4052000	5630	22812760000	0	0
2019.1.15	4035000	4820	19448700000	0	0
2019.1.14	4098000	4950	20285100000	0	0
2019.1.13	3963000	3300	13077900000	0	0
2019.1.12	4097000	3250	13315250000	0	0
2019.1.11	4105000	5320	21838600000	0	0
2019.1.10	4087000	10230	41810010000	0	0
2019.1.9	4460000	4480	19980800000	0	0
2019.1.8	4480000	5080	22758400000	0	0
2019.1.7	4499000	4280	19255720000	0	0
2019.1.6	4520000	4830	21831600000	0	0
2019.1.5	4294000	3330	14299020000	0	0
2019.1.4	4309000	5450	23484050000	0	0

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2019.1.3	4283000	4680	20044440000	0	0
2019.1.2	4347000	5410	23517270000	0	0
2019.1.1	4284000	3790	16236360000	0	0
2018.12.31	4201000	4290	18022290000	0	0
2018.12.30	4286000	4820	20658520000	0	0
2018.12.29	4193000	5250	22013250000	0	0
2018.12.28	4338000	9040	39215520000	239812382	0.611524167
2018.12.27	4123000	6390	26345970000	110136330	0.418038622
2018.12.26	4292000	7970	34207240000	0	0
2018.12.25	4243000	8600	36489800000	0	0
2018.12.24	4540000	11020	50030800000	0	0
2018.12.23	4437000	7460	33100020000	0	0
2018.12.22	4470000	7010	31334700000	217589921	0.69440563
2018.12.21	4332000	16820	72864240000	1240125904	1.701967802
2018.12.20	4551000	16480	75000480000	1028405844	1.371199016
2018.12.19	4130000	12330	50922900000	119590214	0.234845647
2018.12.18	4091000	7660	31337060000	0	0
2018.12.17	3923000	9100	35699300000	0	0
2018.12.16	3636000	3540	12871440000	0	0
2018.12.15	3621000	4030	14592630000	0	0
2018.12.14	3642000	5890	21451380000	0	0
2018.12.13	3721000	5310	19758510000	0	0
2018.12.12	3888000	5660	22006080000	0	0
2018.12.11	3822000	6670	25492740000	0	0
2018.12.10	3895000	6040	23525800000	0	0
2018.12.9	4014000	6480	26010720000	0	0
2018.12.8	3873000	7670	29705910000	0	0
2018.12.7	3868000	15550	60147400000	0	0
2018.12.6	3964000	14120	55971680000	0	0
2018.12.5	4259000	8320	35434880000	0	0
2018.12.4	4457000	9750	43455750000	0	0
2018.12.3	4388000	8890	39009320000	362239762	0.928597991
2018.12.2	4685000	6980	32701300000	381481783	1.16656458
2018.12.1	4721000	6990	32999790000	0	0
2018.11.30	4567000	11390	52018130000	600320624	1.154060371
2018.11.29	4847000	13590	65870730000	649246197	0.985636863
2018.11.28	4793000	15130	72518090000	107203981	0.147830674
2018.11.27	4384000	10020	43927680000	0	0
2018.11.26	4361000	14660	63932260000	0	0
2018.11.25	4613000	14840	68456920000	0	0
2018.11.24	4491000	8850	39745350000	0	0
2018.11.23	5016000	9160	45946560000	0	0
2018.11.22	4965000	5000	24825000000	0	0
2018.11.21	5276000	8520	44951520000	0	0
2018.11.20	5164000	17980	92848720000	0	0

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2018.11.19	5628000	10150	57124200000	260780762	0.456515386
2018.11.18	6424000	2330	14967920000	54934715	0.367016359
2018.11.17	6383000	2850	18191550000	92974272	0.511084938
2018.11.16	6436000	4920	31665120000	486003379	1.534822477
2018.11.15	6527000	9340	60962180000	1105712874	1.813768592
2018.11.14	6779000	9330	63248070000	102176706	0.161549129
2018.11.13	7248000	2950	21381600000	63463547	0.296813835
2018.11.12	7249000	2500	18122500000	107799814	0.594839641
2018.11.11	7253000	1820	13200460000	114890237	0.870350253
2018.11.10	7237000	1640	11868680000	47599074	0.401047749
2018.11.9	7243000	3140	22743020000	163982884	0.721025106
2018.11.8	7289000	3320	24199480000	155137215	0.641076647
2018.11.7	7308000	4080	29816640000	228570968	0.766588616
2018.11.6	7231000	3520	25453120000	137422750	0.539905324
2018.11.5	7198000	2780	20010440000	238602491	1.192390027
2018.11.4	7214000	2760	19910640000	53135603	0.266870392
2018.11.3	7150000	1580	11297000000	66029277	0.584485058
2018.11.2	7179000	2650	19024350000	57504767	0.302269286
2018.11.1	7188000	1920	13800960000	97761377	0.708366498
2018.10.31	7162000	2920	20913040000	42696850	0.204163766
2018.10.30	7140000	2330	16636200000	114408600	0.687708732
2018.10.29	7098000	3760	26688480000	152249316	0.570468292
2018.10.28	7257000	1370	9942090000	26412326	0.265661707
2018.10.27	7285000	1630	11874550000	21547918	0.181463028
2018.10.26	7275000	2400	17460000000	57170287	0.327435779
2018.10.25	7272000	2930	21306960000	130292011	0.611499768
2018.10.24	7293000	3600	26254800000	138940390	0.529199956
2018.10.23	7269000	3010	21879690000	89503331	0.40907038
2018.10.22	7295000	2950	21520250000	59505646	0.276510013
2018.10.21	7311000	1840	13452240000	46374665	0.344735635
2018.10.20	7302000	1970	14384940000	121034420	0.841396766
2018.10.19	7291000	2800	20414800000	194608846	0.953273341
2018.10.18	7338000	2700	19812600000	60771362	0.306730878
2018.10.17	7328000	3000	21984000000	207641236	0.944510717
2018.10.16	7352000	3360	24702720000	251488803	1.018061181
2018.10.15	7406000	11980	88723880000	975843988	1.099866223
2018.10.14	7198000	2310	16627380000	111729817	0.671962853
2018.10.13	7184000	1220	8764480000	112620388	1.284963717
2018.10.12	7181000	4570	32817170000	375784872	1.145086161
2018.10.11	7196000	7580	54545680000	642100119	1.177178686
2018.10.10	7472000	4410	32951520000	208184045	0.631788898
2018.10.9	7527000	2140	16107780000	93984129	0.583470404
2018.10.8	7542000	3360	25341120000	197218021	0.778252978
2018.10.7	7484000	1900	14219600000	99648376	0.70078185
2018.10.6	7482000	2190	16385580000	138984953	0.848215034

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2018.10.5	7502000	3890	29182780000	276134106	0.946222759
2018.10.4	7475000	3360	25116000000	128456644	0.511453432
2018.10.3	7377000	3050	22499850000	313937022	1.395284955
2018.10.2	7370000	3520	25942400000	275196424	1.06079786
2018.10.1	7375000	4330	31933750000	283109803	0.886553577
2018.9.30	7393000	3160	23361880000	168678900	0.722026224
2018.9.29	7358000	3250	23913500000	322296025	1.347757647
2018.9.28	7409000	5410	40082690000	514102847	1.282605651
2018.9.27	7447000	4020	29936940000	287209097	0.959380274
2018.9.26	7310000	750	5482500000	411854928	7.512173789
2018.9.25	7297000	4130	30136610000	674575206	2.238391133
2018.9.24	7431000	3040	22590240000	337076809	1.492134696
2018.9.23	7496000	4220	31633120000	533003398	1.684953612
2018.9.22	7538000	3270	24649260000	696614148	2.826105725
2018.9.21	7539000	5330	40182870000	684738576	1.704055922
2018.9.20	7311000	4570	33411270000	317607666	0.950600399
2018.9.19	7245000	4300	31153500000	162286351	0.520924939
2018.9.18	7236000	4050	29305800000	409459732	1.39719691
2018.9.17	7192000	4530	32579760000	234743892	0.72052063
2018.9.16	7350000	2940	21609000000	205359358	0.950341793
2018.9.15	7365000	2210	16276650000	255300801	1.568509497
2018.9.14	7363000	4350	32029050000	516641181	1.613039353
2018.9.13	7357000	4030	29648710000	319710402	1.078328204
2018.9.12	7238000	2240	16213120000	357415239	2.20448155
2018.9.11	7240000	1550	11222000000	216045560	1.925196578
2018.9.10	7274000	2050	14911700000	249389718	1.672443236
2018.9.9	7232000	2240	16199680000	463168783	2.859123038
2018.9.8	7207000	1890	13621230000	269717457	1.980125561
2018.9.7	7382000	2790	20595780000	334665539	1.624922868
2018.9.6	7523000	3630	27308490000	1075911637	3.93984302
2018.9.5	7695000	3420	26316900000	845139945	3.21139627
2018.9.4	8270000	2590	21419300000	394632092	1.84241358
2018.9.3	8118000	3090	25084620000	490077647	1.953697712
2018.9.2	8115000	3450	27996750000	652106916	2.329223628
2018.9.1	8001000	4170	33364170000	782636766	2.345740254
2018.8.31	7872000	4690	36919680000	656875703	1.779202049
2018.8.30	7850000	4790	37601500000	625558548	1.663653173
2018.8.29	7825000	4720	36934000000	636028328	1.722067277
2018.8.28	7839000	4980	39038220000	505857723	1.295801199
2018.8.27	7685000	4130	31739050000	391197117	1.232541985
2018.8.26	7547000	2820	21282540000	283543375	1.33228165
2018.8.25	7604000	3490	26537960000	303591322	1.14398892
2018.8.24	7561000	1210	9148810000	331470105	3.623095299
2018.8.23	7439000	1590	11828010000	475606148	4.021015775
2018.8.22	7286000	5830	42477380000	622564644	1.46563805

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2018.8.21	7375000	3040	22420000000	451397649	2.013370424
2018.8.20	7266000	4190	30444540000	752800513	2.472694654
2018.8.19	7431000	2930	21772830000	332083482	1.525219652
2018.8.18	7391000	4620	34146420000	1098023754	3.215633598
2018.8.17	7496000	6650	49848400000	943581976	1.892903235
2018.8.16	7337000	5320	39032840000	939281952	2.406388959
2018.8.15	7332000	7160	52497120000	988280854	1.882542993
2018.8.14	7226000	8030	58024780000	1362632206	2.348362555
2018.8.13	7387000	5710	42179770000	785597020	1.862497164
2018.8.12	7391000	2680	19807880000	733328248	3.702204618
2018.8.11	7326000	5060	37069560000	1724840190	4.652982636
2018.8.10	7240000	5770	41774800000	1355574650	3.244957845
2018.8.9	7543000	6340	47822620000	2241952512	4.68805873
2018.8.8	7308000	7970	58244760000	2833401816	4.864646736
2018.8.7	7763000	5910	45879330000	0	0
2018.8.6	7982000	3800	30331600000	0	0
2018.8.5	8075000	3580	28908500000	0	0
2018.8.4	8074000	5210	42065540000	0	0
2018.8.3	8509000	6140	52245260000	0	0
2018.8.2	8723000	6310	55042130000	0	0
2018.8.1	8726000	6030	52617780000	0	0
2018.7.31	8807000	8920	78558440000	2503591346	3.186915812
2018.7.30	9270000	5490	50892300000	1087828880	2.137511726
2018.7.29	9240000	4120	38068800000	1006503128	2.643905581
2018.7.28	9204000	3910	35987640000	1523372808	4.233044479
2018.7.27	9142000	10050	91877100000	2112321100	2.299072457
2018.7.26	8952000	7710	69019920000	1713346868	2.482394746
2018.7.25	9155000	11240	102902000000	2464506839	2.395003828
2018.7.24	9458000	16480	155868000000	2394063435	1.535955703
2018.7.23	8749000	9850	86177650000	1433348022	1.663247979
2018.7.22	8350000	3850	32147500000	369606074	1.149719493
2018.7.21	8353000	3410	28483730000	796197483	2.795271135
2018.7.20	8359000	7480	62525320000	655131517	1.047785948
2018.7.19	8443000	6090	51417870000	1230770520	2.393662981
2018.7.18	8303000	9230	76636690000	1485233109	1.938018342
2018.7.17	8076000	8860	71553360000	559406793	0.781803668
2018.7.16	7454000	6210	46289340000	469320620	1.013884881
2018.7.15	7178000	2380	17083640000	185195401	1.08405118
2018.7.14	7111000	1980	14079780000	353036303	2.507399285
2018.7.13	7054000	3730	26311420000	428941750	1.630249337
2018.7.12	7090000	3720	26374800000	2164940	0.008208366
2018.7.11	7226000	3910	28253660000	518283700	1.834394907
2018.7.10	7140000	5200	37128000000	700776569	1.887461132
2018.7.9	7473000	3710	27724830000	340418331	1.227846414
2018.7.8	7516000	2800	21044800000	417586632	1.984274652

timestamp	closing_Price	Trans(BTC)	upbit_Transaction(KRW)	privateAccount	percentage
2018.7.7	7549000	2080	15701920000	553048741	3.522172709
2018.7.6	7479000	5350	40012650000	459024227	1.147197766
2018.7.5	7360000	4270	31427200000	448372720	1.426702729
2018.7.4	7329000	4980	36498420000	163212052	0.447175664
2018.7.3	7283000	5240	38162920000	206506	0.000541117
2018.7.2	7287000	5930	43211910000	182828	0.000423096
2018.7.1	7103000	3150	22374450000	0	0