THE
ALGORITHM

I THINK I FIGURED IT OUT

I think I figured out the shorting algorithm

Let's begin by looking at EVERYTHING

Here is a quick overlay of March / April data and June / July data to see how the trends are exactly the fucking same.

If we were to adjust the size of the red dildos so they match, you can fucking see the relative rates of change are EXACTLY THE FUCKING SAME again.

Here are the candlesticks directly on top of each other if I haven't stressed my point enough.

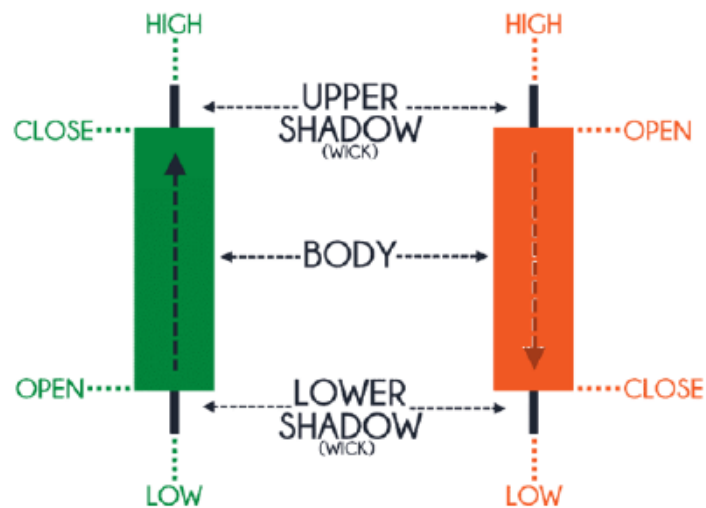
Selecting which values to compare

Stretching the 6/15 red dildo to match the same length as 3/10, the close and high have the same ratio size. This is circled in rotten banana color.

Thus, it looks like we can compare the wick and the upper body of the candlesticks against each other.

BUT FIRST

Let's refresh our memory on how candlesticks work. Both the red and green have the same locations for their highs and lows, however, their open and close are different:
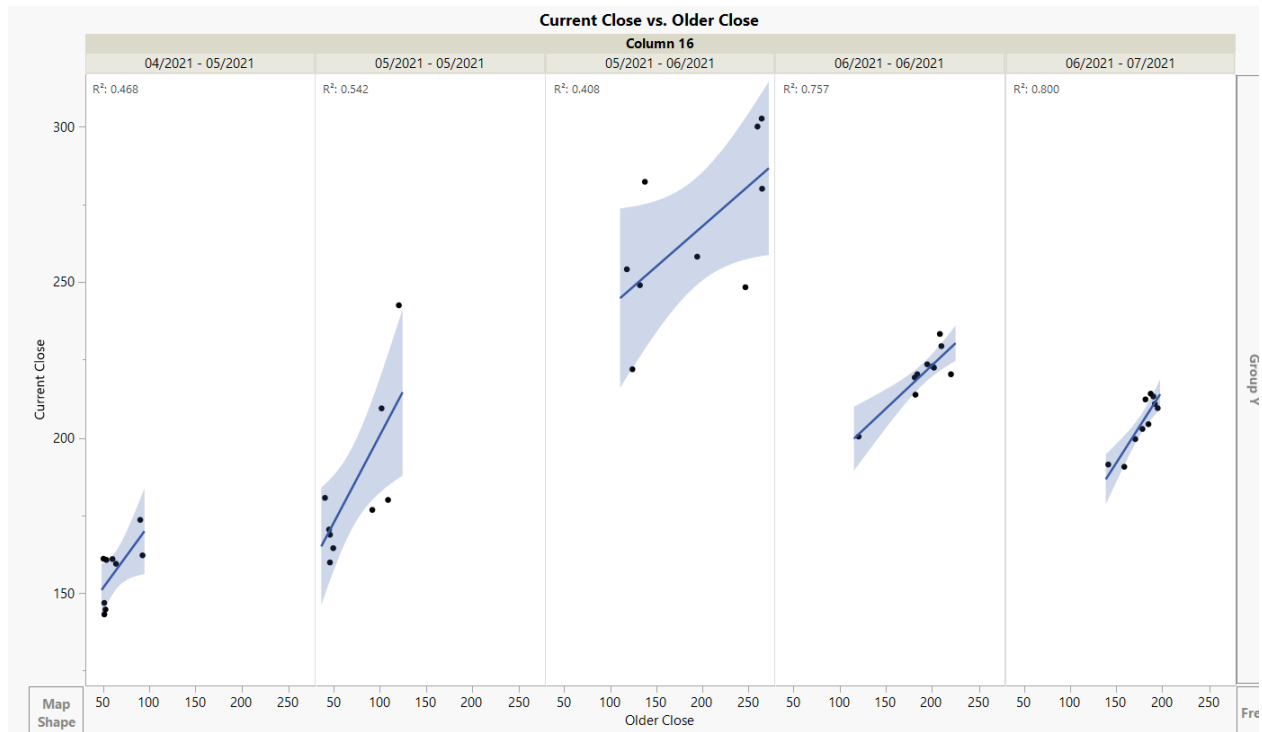

Back to the Mathemagics

If we were to continue to match up 3/10 with 6/15, we get the below table. The "Current Open Close" and the "Older Open Close" is the value of the top of the candlestick body. The "Open Close Difference" is "Current Open Close" subtracted by "Older Open Close."

Day	Current Date	Current Open	Current High	Current Low	Current Close	Current Open Close	Older Date	Older Open	Older High	Older Low	Older Close	Older Open Close	Close Difference	Open Close Difference
1	4/30/2021	175	183.8	172.7	173.59	175.00	2/2/2021	140.76	158	74.22	90	140.760	83.59	34.24
2	5/3/2021	177.49	177.49	159.61	162.20	177.49	2/3/2021	112.01	113.4	85.25	92.41	112.010	69.79	65.48
3	5/4/2021	159	161.49	151.8	160.73	160.73	2/4/2021	91.19	91.5	53.33	53.5	91.190	107.23	69.54
4	5/5/2021	161.83	165.5	158.33	159.48	161.83	2/5/2021	54.04	95	51.09	63.77	63.770	95.71	98.06
5	5/6/2021	160.86	164.72	155.6	161.01	161.01	2/8/2021	72.41	72.66	58.02	60	72.410	101.01	88.60
6	5/7/2021	160.11	167.41	157.5	161.11	161.11	2/9/2021	56.61	57	46.52	50.31	56.610	110.80	104.50
7	5/10/2021	161.31	161.59	143	143.22	161.31	2/10/2021	50.77	62.83	46.55	51.2	51.200	92.02	110.11
8	5/11/2021	137	150.5	136.5	146.92	146.92	2/11/2021	50.01	55.32	48.22	51.1	51.100	95.82	95.82
9	5/12/2021	145.7	150.5	142.23	144.79	145.70	2/12/2021	50.75	55.24	48.05	52.4	52.400	92.39	93.30
10	5/13/2021	147.44	169.95	146.43	164.50	164.50	2/16/2021	52.66	53.5	49.04	49.51	52.660	114.99	111.84
11	5/14/2021	160	166.47	156.22	159.92	160.00	2/17/2021	49.77	51.19	44.56	45.94	49.770	113.98	110.23
12	5/17/2021	159.85	182.5	159	180.60	180.60	2/18/2021	48.49	48.87	40.65	40.69	48.490	139.91	132.11
13	5/18/2021	174.54	189.2	168.27	180.67	180.67	2/19/2021	41.28	43.89	38.5	40.59	41.280	140.08	139.39
14	5/19/2021	171.99	178.98	164.15	168.83	171.99	2/22/2021	46.69	48.51	42.4	46	46.690	122.83	125.30
15	5/20/2021	170.79	174.91	166.9	170.49	170.79	2/23/2021	44.97	46.23	40	44.97	44.970	125.52	125.82
16	5/21/2021	171	179.24	170.33	176.79	176.79	2/24/2021	44.7	91.71	44.7	91.71	91.710	85.08	85.08
17	5/24/2021	175.85	188.46	173.35	180.01	180.01	2/25/2021	169.56	184.68	101	108.73	169.560	71.28	10.45
18	5/25/2021	181	217.11	181	209.43	209.43	2/26/2021	117.46	142.9	86	101.74	117.460	107.69	91.97
19	5/26/2021	229	248.48	225.55	242.56	242.56	3/1/2021	104.54	133.99	99.97	120.4	120.400	122.16	122.16
20	5/27/2021	229.8	264	227	254.13	254.13	3/2/2021	116.93	133.2	112.2	118.18	118.180	135.95	135.95
21	5/28/2021	262.97	268.8	221.43	222.00	262.97	3/3/2021	122.51	127.75	113.12	124.18	124.180	97.82	138.79
22	6/1/2021	233.48	254.98	227.07	249.02	249.02	3/4/2021	125	147.87	115.3	132.35	132.350	116.67	116.67
23	6/2/2021	248.88	294	244.3	282.24	282.24	3/5/2021	128.17	151.53	127.5	137.74	137.740	144.50	144.50
24	6/3/2021	265.71	274.43	242.12	258.18	265.71	3/8/2021	154.89	210.87	146.1	194.5	194.500	63.68	71.21
25	6/4/2021	256.02	265	245.77	248.36	256.02	3/9/2021	217.71	249.85	208.51	246.9	246.900	1.46	9.12
26	6/7/2021	258	282	255.2	280.01	280.01	3/10/2021	269.43	348.5	172	265	269.430	15.01	10.58
27	6/8/2021	292	344.66	281	300.00	300.00	3/11/2021	241.64	281.5	232.6	260	260.000	40.00	40.00
28	6/9/2021	303.12	328	291.51	302.56	303.12	3/12/2021	275	295.5	262.27	264.5	275.000	38.06	28.12
29	6/10/2021	282	288	211	220.39	282.00	3/15/2021	277.52	283	206	220.14	277.520	0.25	4.48
30	6/11/2021	222.35	241.13	206.13	233.34	233.34	3/16/2021	203.16	220.7	172.35	208.17	208.170	25.17	25.17
31	6/14/2021	236.5	238.01	219.2	229.44	236.50	3/17/2021	217.84	231.47	204	209.81	217.840	19.63	18.66
32	6/15/2021	226.36	229.25	208	222.50	226.36	3/18/2021	214	218.88	195.65	201.75	214.000	20.75	12.36
33	6/16/2021	215.24	228.73	209	222.97	222.97	3/19/2021	195.73	227	182.66	200.27	200.270	22.70	22.70
34	6/17/2021	224	233.66	221.48	223.59	224.00	3/22/2021	205.26	210.36	186.2	194.49	205.260	29.10	18.74
35	6/18/2021	220.18	223.49	213	213.82	220.18	3/23/2021	197.5	201.75	177.55	181.75	197.500	32.07	22.68
36	6/21/2021	216.95	218.4	197	200.37	216.95	3/24/2021	157.98	166.97	118.62	120.34	157.980	80.03	58.97
37	6/22/2021	217.73	225.88	209.17	220.40	220.40	3/25/2021	123.49	187.5	116.9	183.75	183.750	36.65	36.65
38	6/23/2021	221.45	222.57	214.12	219.34	221.45	3/26/2021	197.68	218.93	163.26	181	197.680	38.34	23.77
39	6/24/2021	221.16	227.45	211.6	212.31	221.16	3/29/2021	180.75	193.92	173.51	181.3	181.300	31.01	39.86
40	6/25/2021	214	214.2	198.5	209.51	214.00	3/30/2021	187.5	204.3	182	194.46	194.460	15.05	19.54
41	6/28/2021	211.25	224.45	210.2	213.25	213.25	3/31/2021	197.5	199.46	187.11	189.82	197.500	23.43	15.75
42	6/29/2021	213.59	215.22	208.01	210.88	213.59	4/1/2021	193.36	196.97	183.6	191.45	193.360	19.43	20.23
43	6/30/2021	209.69	215.28	206.94	214.14	214.14	4/5/2021	171	195	164.81	186.95	186.950	27.19	27.19
44	7/1/2021	213.4	216.83	202	204.36	213.40	4/6/2021	185.21	192	183.56	184.5	185.210	19.86	28.19
45	7/2/2021	204.8	205.45	196.5	202.83	204.80	4/7/2021	183.22	184.5	176.11	177.97	183.220	24.86	21.58
46	7/6/2021	204	204.77	193.71	199.56	204.00	4/8/2021	185.88	185.88	164.3	170.26	185.880	29.30	18.12
47	7/7/2021	196	197.5	177.56	190.66	196.00	4/9/2021	169.7	171.58	153	158.36	169.700	32.30	26.30
48	7/8/2021	179.83	194.22	179.51	191.38	191.38	4/12/2021	158.11	163.9	135.01	141.09	158.110	50.29	37.89

Looking at all the data at once

If we were to graph all the current open close against the older open close, the correlation isn't that high.

Current Open Close vs. Older Open Close

However, if we separate into time intervals, we can see how the correlation increases and the similarities are beginning are becoming tighter and tighter. Our R^2 values are crazy good.
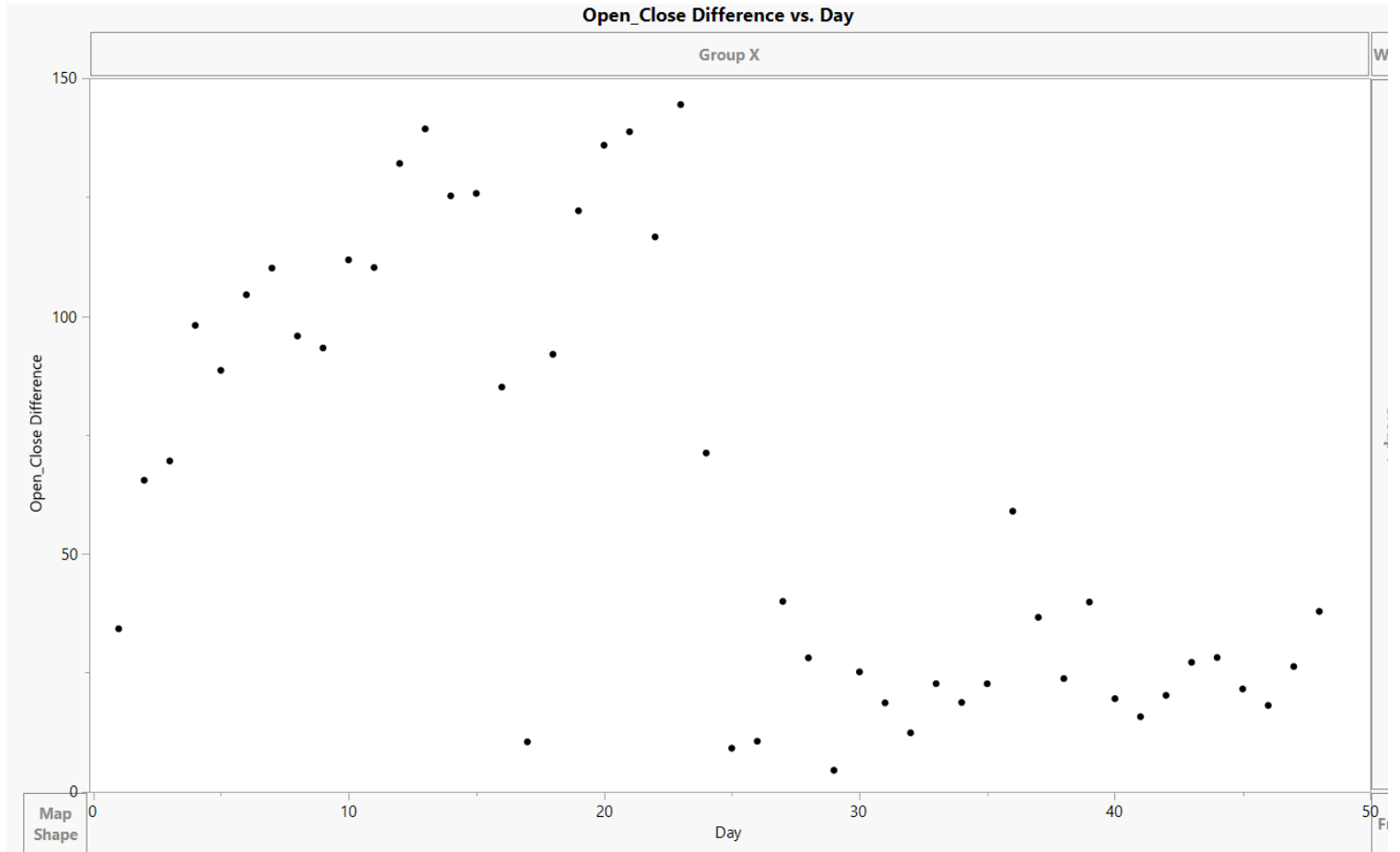

Looking at the difference between the Two

Despite if the day is red or green, the top parts of the candlestick body are trending similarly to each other. The average difference between the tops from the current data and the older data seems to be about $25.
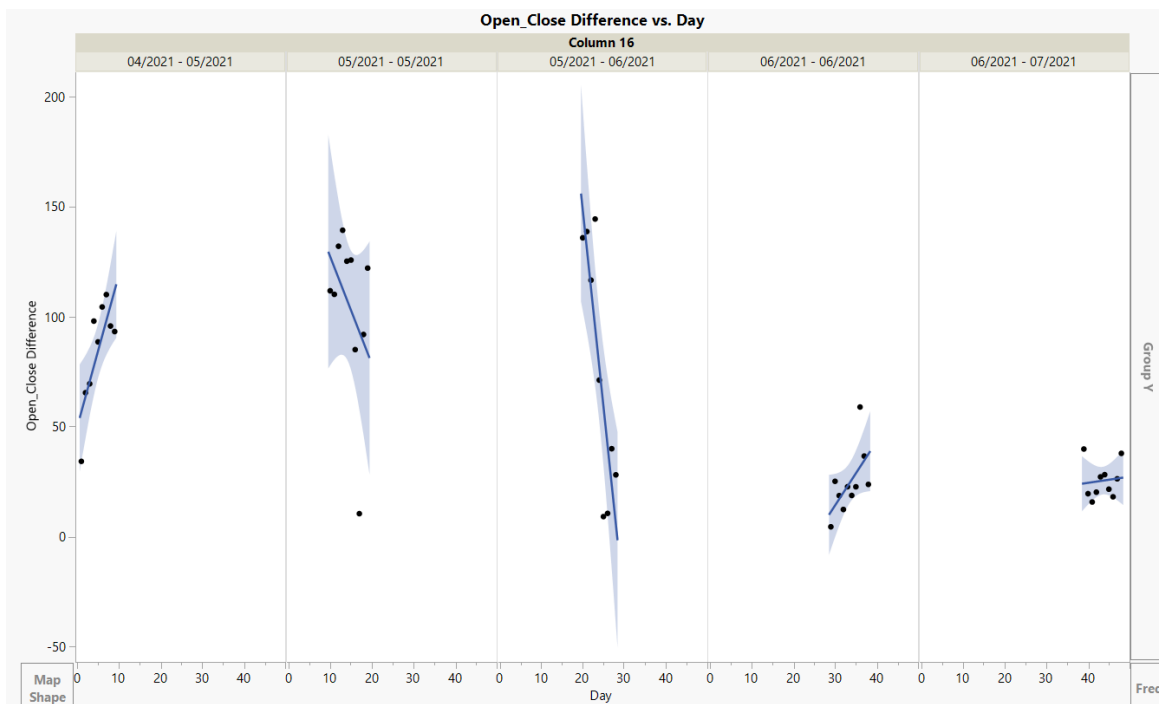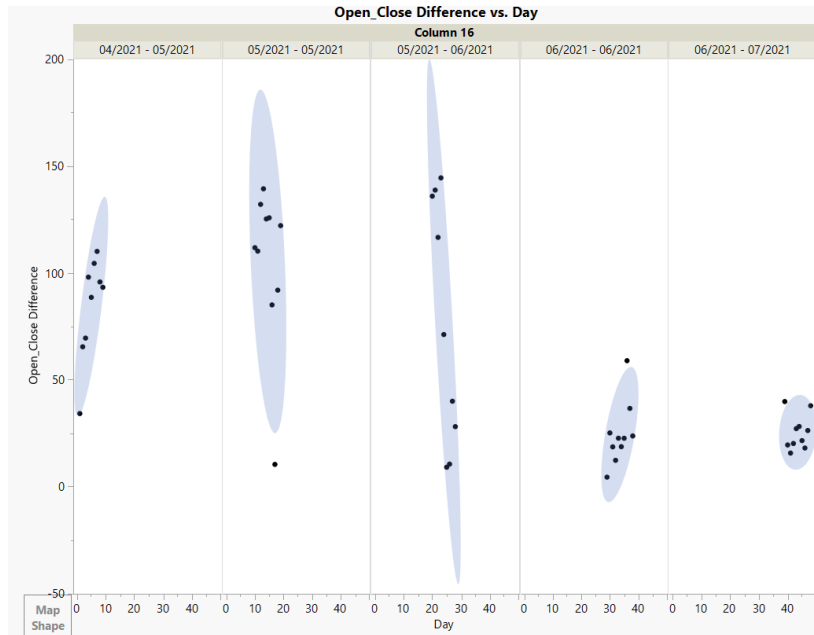
If we look at the difference by a day to day difference we can see it is beginning to level.

If we were to segregate the data into time intervals, we can see how the difference is moving to about $20 - $30. The regression lines are becoming more and more horizontal since as time continues, there is no change.

We can also view it as a density chart.

Incorporating the Algorithms

Always has been

The algorithms are the only thing determining the price?

90 day calibration?

The red giant dildos we aligned earlier (3/10 and 6/15) have total of 68 trading days / 96 total between. If we take a few steps back, we can see how there is a break from the trends at 2/24 and 5/24 (circled in yellow). After the yellow circle dates, we see an upwards trend for about 17 days followed by an immediate drop.

The algorithms are repeating every 90 days. Left side buildup see the last max 16 days in followed by a small red day on day 17. The subsequent small red day is followed by a big red day.

Start Day	Total Days
Last High	16
Small Low	17

TL;DR

The algorithms are repeating every 90 days with a 16 day positive buildup. The overall daily trends are also repeating itself. Hold the line

Thoughts

While each individual day share price is determined by the retail buying pressure, the overall trend is determined by the algorithms. The algorithms are so fucking influential that TA hasn't matter this entire time no matter what the indicators. I think the algorithm looks something like this
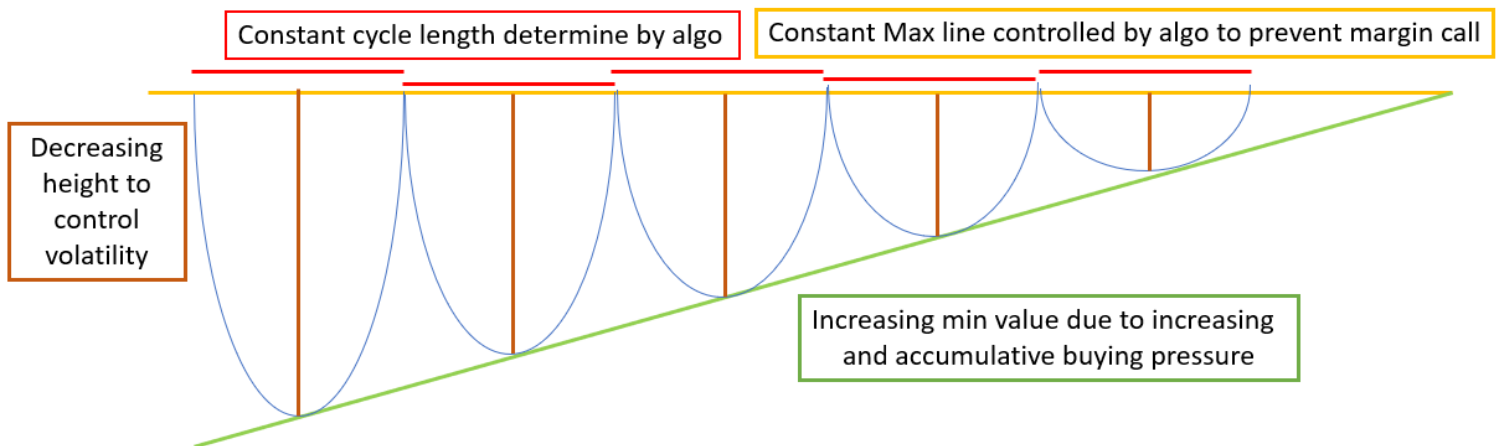
I don't think the share offerings had really any effect on the trends. I would assume this is because the MASSIVE amount of naked shorts in comparison.

Edit 1: fixed some typos

Edit 2: Added some more thoughts

Edit 3: GME Data

Tweet

Edit 4:

Holy shit! I didn't even know RC posted this. It even shows the same oscillations! Observational bias confirmed.

Edit 5: More thoughts

If we continue this ~$25 or $30 increase, we'll soon have a $210 resistance. The following oscillation ($240) would cause the resistance to become the max and then moon. Just like in RC's tweet.

(These are just some example numbers I pulled that make sense to me. They are not suppose to be exact numbers)
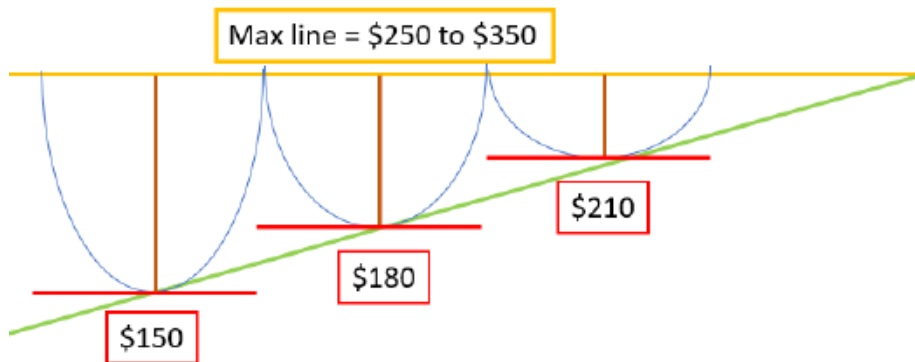
None of this is financial advice.

Edit 6: Explanation of population and within population

Let's say you own 3 banana farms.

Population to Population

1. Farm A, B, and C all have the shape (timeframe)
2. Farm A is bigger than farm B and C (min / max share price)

Within Population

1. Looking within Farm A and B, we can also see they have their banana plants looking exactly the same. (same sized ratio of candlesticks / similar behaviors)
2. Farm C was all done fucked up.

Banana Farm A

Banana Farm B

Banana Farm C
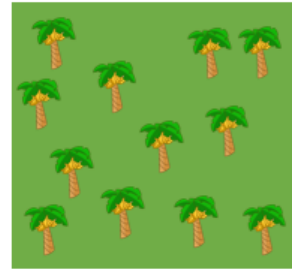
While the dates are interesting that they occur at the same intervals (Farm A and Farm B), what's also interesting is that their candlestick and ratio of size are the same (Like Farm A and B but not C). This is effectively showing not only the improbability of having a repeat of a timeframe but the HIGHLY improbability of the candlesticks have similar overlays as shown above. While many have stated it's solely comparing 2 dates, it's not. We selected the two dates and within them, compared the population.

Edit 7: Today's data:

Fucking lol