

Stocks Visualization Demo

July 27, 2020

[6]:

[6]:

Date	Adj Close				Close			\
	AAL	AAPL	INTC	KO	AAL	AAPL	AMD	
2015-01-01	NaN	NaN	NaN	NaN	50.227158	98.501518	2.580000	
2015-01-08	NaN	NaN	NaN	NaN	46.816154	100.375572	2.630000	
2015-01-15	NaN	NaN	NaN	NaN	50.852512	100.147011	2.450000	
2015-01-22	NaN	NaN	NaN	NaN	47.962620	105.412628	2.630000	
2015-01-29	NaN	NaN	NaN	NaN	46.863522	109.297836	2.850000	
...	
2020-06-25	NaN	NaN	NaN	NaN	12.810000	364.109985	52.580002	
2020-07-02	NaN	NaN	NaN	NaN	11.990000	381.369995	53.430000	
2020-07-09	NaN	NaN	NaN	NaN	13.440000	390.899994	55.340000	
2020-07-16	NaN	NaN	NaN	NaN	11.360000	389.089996	61.790001	
2020-07-23	NaN	NaN	NaN	NaN	11.390000	370.459991	69.400002	

Date	AMZN		COST		FB		Volume		\
	AMZN	COST	FB	...	AMD	AMZN	...	...
2015-01-01	298.420013	126.671837	76.150002	...	35168300.0	11716700.0	...	...
2015-01-08	293.269989	122.274490	76.279999	...	57921100.0	18777300.0	...	...
2015-01-15	297.250000	122.125259	76.739998	...	151180500.0	21037600.0	...	...
2015-01-22	303.910004	122.546577	76.239998	...	160440100.0	19012800.0	...	...
2015-01-29	364.750000	136.853317	75.629997	...	113808700.0	53127100.0	...	...
...	
2020-06-25	2878.699951	304.750000	237.550003	...	241167700.0	23826000.0	...	...
2020-07-02	3081.110107	316.320007	243.580002	...	133612200.0	23769100.0	...	...
2020-07-09	3008.870117	326.700012	240.279999	...	302048200.0	32615900.0	...	...
2020-07-16	3099.909912	328.299988	239.869995	...	296591900.0	28992900.0	...	...
2020-07-23	3008.909912	325.779999	230.710007	...	311886700.0	11282800.0	...	...

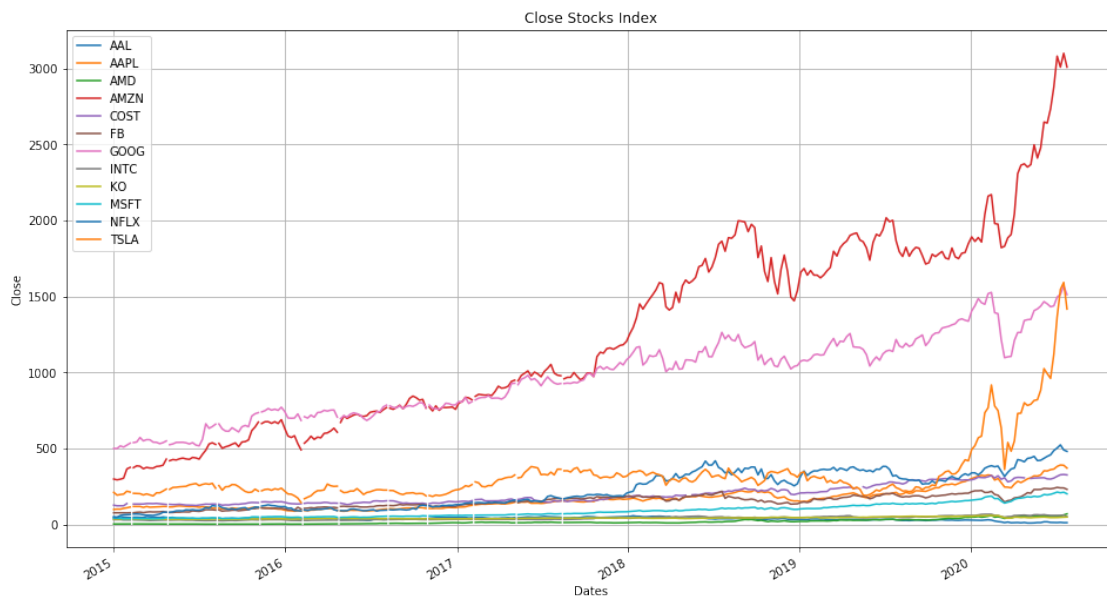
Date	COST		FB		GOOG		INTC		\
	COST	FB	GOOG	INTC	KO	...	...	...
2015-01-01	8576300.0	94074300.0	8472200.0	114963400.0	66523500.0	...	...	...
2015-01-08	10415900.0	115406400.0	12357600.0	149745000.0	71870000.0	...	...	...

2015-01-15	7122500.0	103843800.0	9514700.0	173366000.0	54075900.0
2015-01-22	8879900.0	128943200.0	10090100.0	183529100.0	67771200.0
2015-01-29	33149100.0	193133400.0	16344600.0	168114000.0	77642200.0
...
2020-06-25	11279800.0	230889300.0	11126000.0	128824900.0	91385000.0
2020-07-02	10584000.0	114518900.0	6131000.0	65389700.0	57152700.0
2020-07-09	13996400.0	112344200.0	8321700.0	101686100.0	89238300.0
2020-07-16	8220200.0	92742900.0	6683900.0	84407600.0	99356600.0
2020-07-23	2985100.0	40086500.0	3171600.0	225581200.0	32130900.0

	MSFT	NFLX	TSLA
Date			
2015-01-01	133149800.0	57527400.0	19363200.0
2015-01-08	142231500.0	70730800.0	30090300.0
2015-01-15	143689100.0	138819100.0	17475900.0
2015-01-22	358306200.0	130517800.0	16720600.0
2015-01-29	285639900.0	70224700.0	18835900.0
...
2020-06-25	175552800.0	29687600.0	57381200.0
2020-07-02	128414100.0	25552100.0	75621000.0
2020-07-09	167206100.0	70995100.0	113826500.0
2020-07-16	186172300.0	77512000.0	71070600.0
2020-07-23	107256500.0	15466300.0	43673200.0

[303 rows x 88 columns]

[7]:



[9]:

[9]:

	AAL	AAPL	AMD	AMZN	COST \
Date					
2015-01-01	50.227158	98.501518	2.580000	298.420013	126.671837
2015-01-08	46.816154	100.375572	2.630000	293.269989	122.274490
2015-01-15	50.852512	100.147011	2.450000	297.250000	122.125259
2015-01-22	47.962620	105.412628	2.630000	303.910004	122.546577
2015-01-29	46.863522	109.297836	2.850000	364.750000	136.853317
...
2020-06-25	12.810000	364.109985	52.580002	2878.699951	304.750000
2020-07-02	11.990000	381.369995	53.430000	3081.110107	316.320007
2020-07-09	13.440000	390.899994	55.340000	3008.870117	326.700012
2020-07-16	11.360000	389.089996	61.790001	3099.909912	328.299988
2020-07-23	11.390000	370.459991	69.400002	3008.909912	325.779999
	FB	GOOG	INTC	KO	MSFT \
Date					
2015-01-01	76.150002	499.727997	31.000975	35.881165	41.275364
2015-01-08	76.279999	499.498627	31.284983	35.522259	41.034302
2015-01-15	76.739998	516.621643	31.396870	36.189976	40.998585
2015-01-22	76.239998	508.603638	29.073093	34.988091	36.775524
2015-01-29	75.629997	521.328674	28.918175	34.787788	37.355858
...
2020-06-25	237.550003	1438.040039	58.810001	44.820000	204.699997
2020-07-02	243.580002	1496.000000	58.610001	45.070000	212.830002
2020-07-09	240.279999	1513.640015	59.029999	46.400002	208.039993
2020-07-16	239.869995	1568.489990	61.049999	48.480000	211.750000
2020-07-23	230.710007	1511.869995	50.590000	48.490002	201.300003
	NFLX	TSLA			
Date					
2015-01-01	46.742859	210.949997			
2015-01-08	46.320000	192.690002			
2015-01-15	58.468571	196.570007			
2015-01-22	63.208572	199.369995			
2015-01-29	64.101425	218.550003			
...			
2020-06-25	485.640015	1119.630005			
2020-07-02	502.779999	1365.880005			
2020-07-09	523.260010	1546.010010			
2020-07-16	489.820007	1592.329956			
2020-07-23	480.450012	1417.000000			

[303 rows x 12 columns]

[11]:

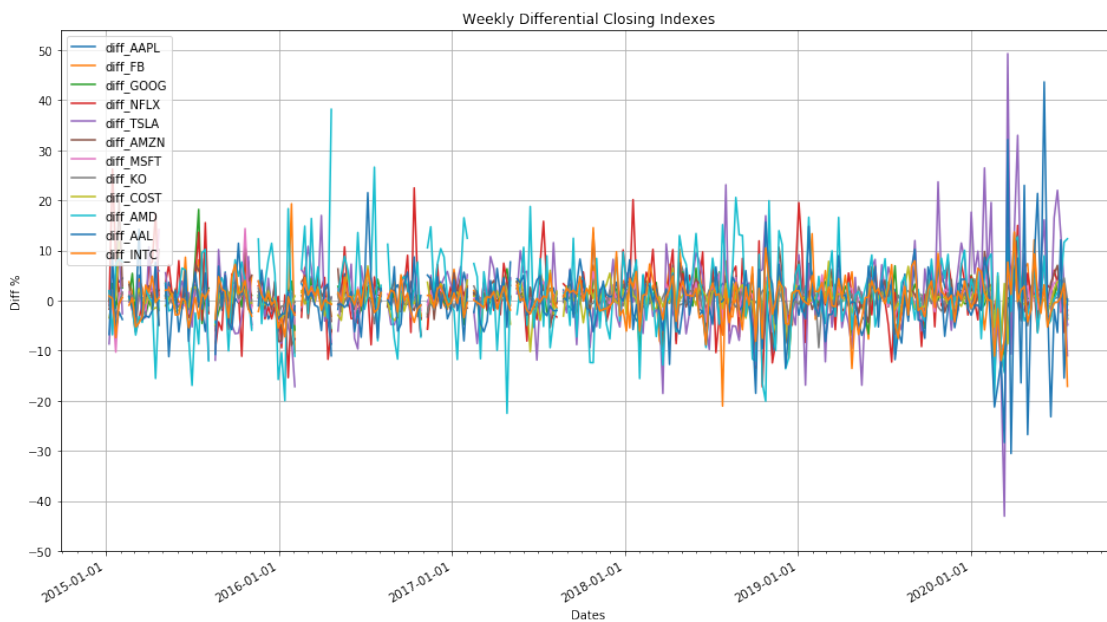
[11]:

	AAL	AAPL	AMD	AMZN	COST	\
Date						
2015-01-01	50.227158	98.501518	2.580000	298.420013	126.671837	
2015-01-08	46.816154	100.375572	2.630000	293.269989	122.274490	
2015-01-15	50.852512	100.147011	2.450000	297.250000	122.125259	
2015-01-22	47.962620	105.412628	2.630000	303.910004	122.546577	
2015-01-29	46.863522	109.297836	2.850000	364.750000	136.853317	
...	
2020-06-25	12.810000	364.109985	52.580002	2878.699951	304.750000	
2020-07-02	11.990000	381.369995	53.430000	3081.110107	316.320007	
2020-07-09	13.440000	390.899994	55.340000	3008.870117	326.700012	
2020-07-16	11.360000	389.089996	61.790001	3099.909912	328.299988	
2020-07-23	11.390000	370.459991	69.400002	3008.909912	325.779999	
	FB	GOOG	INTC	KO	MSFT	...
Date						...
2015-01-01	76.150002	499.727997	31.000975	35.881165	41.275364	...
2015-01-08	76.279999	499.498627	31.284983	35.522259	41.034302	...
2015-01-15	76.739998	516.621643	31.396870	36.189976	40.998585	...
2015-01-22	76.239998	508.603638	29.073093	34.988091	36.775524	...
2015-01-29	75.629997	521.328674	28.918175	34.787788	37.355858	...
...
2020-06-25	237.550003	1438.040039	58.810001	44.820000	204.699997	...
2020-07-02	243.580002	1496.000000	58.610001	45.070000	212.830002	...
2020-07-09	240.279999	1513.640015	59.029999	46.400002	208.039993	...
2020-07-16	239.869995	1568.489990	61.049999	48.480000	211.750000	...
2020-07-23	230.710007	1511.869995	50.590000	48.490002	201.300003	...
	diff_GOOG	diff_NFLX	diff_TSLA	diff_AMZN	diff_MSFT	diff_KO
Date						
2015-01-01	NaN	NaN	NaN	NaN	NaN	NaN
2015-01-08	-0.045899	-0.904650	-8.656077	-1.725764	-0.584034	-1.000262
2015-01-15	3.428041	26.227485	2.013599	1.357115	-0.087042	1.879714
2015-01-22	-1.552007	8.106922	1.424423	2.240539	-10.300503	-3.321045
2015-01-29	2.501955	1.412550	9.620308	20.019083	1.578043	-0.572487
...
2020-06-25	0.423896	6.069675	16.524955	5.277211	3.467449	0.380735
2020-07-02	4.030483	3.529360	21.993873	7.031304	3.971668	0.557787
2020-07-09	1.179145	4.073354	13.187835	-2.344609	-2.250627	2.950969
2020-07-16	3.623713	-6.390705	2.996096	3.025714	1.783314	4.482754
2020-07-23	-3.609841	-1.912947	-11.010906	-2.935569	-4.935063	0.020631
	diff_COST	diff_AMD	diff_AAL	diff_INTC		
Date						
2015-01-01	NaN	NaN	NaN	NaN		

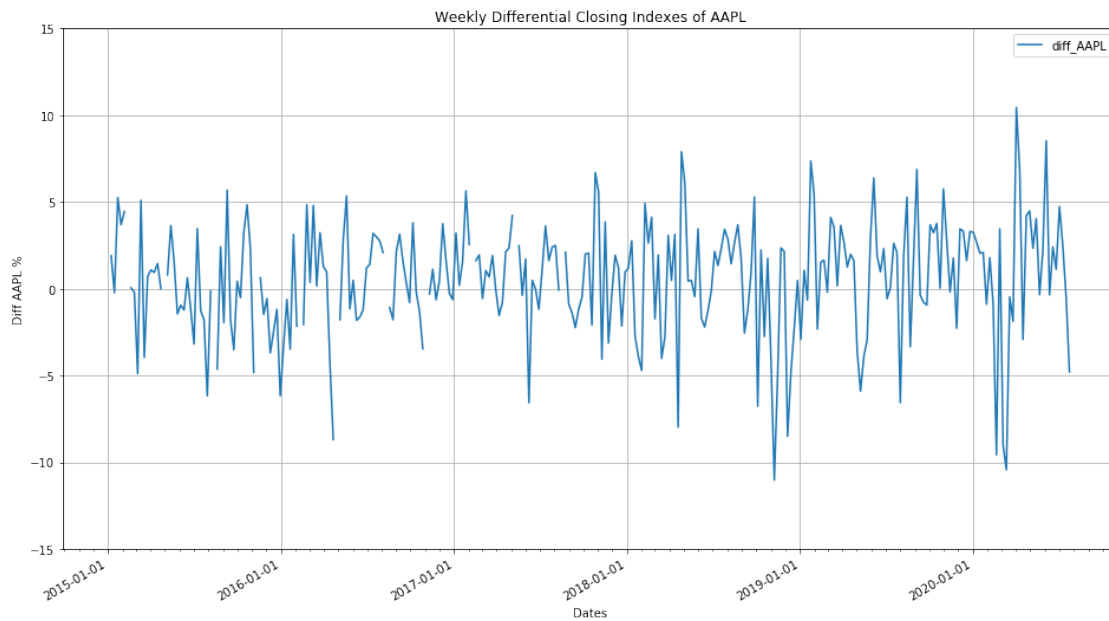
2015-01-08	-3.471448	1.937992	-6.791153	0.916126
2015-01-15	-0.122046	-6.844109	8.621720	0.357638
2015-01-22	0.344988	7.346941	-5.682890	-7.401299
2015-01-29	11.674532	8.365011	-2.291573	-0.532859
...
2020-06-25	2.258241	0.362669	-1.763800	-0.473851
2020-07-02	3.796557	1.616581	-6.401254	-0.340080
2020-07-09	3.281489	3.574770	12.093410	0.716598
2020-07-16	0.489738	11.655224	-15.476190	3.421990
2020-07-23	-0.767587	12.315910	0.264091	-17.133496

[303 rows x 24 columns]

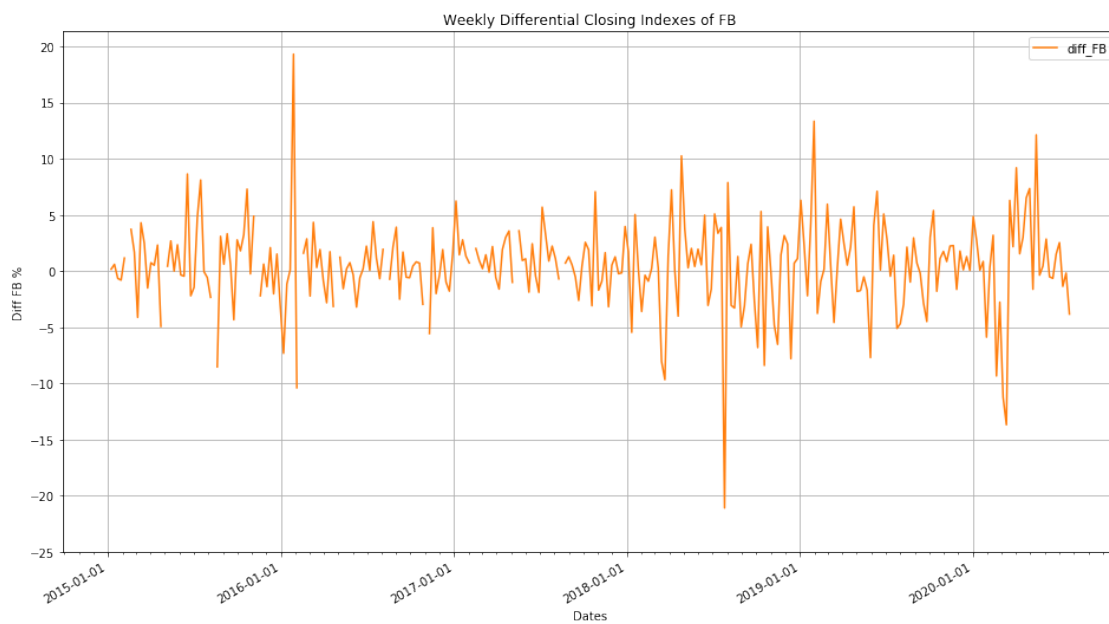
[13]:



[14]:



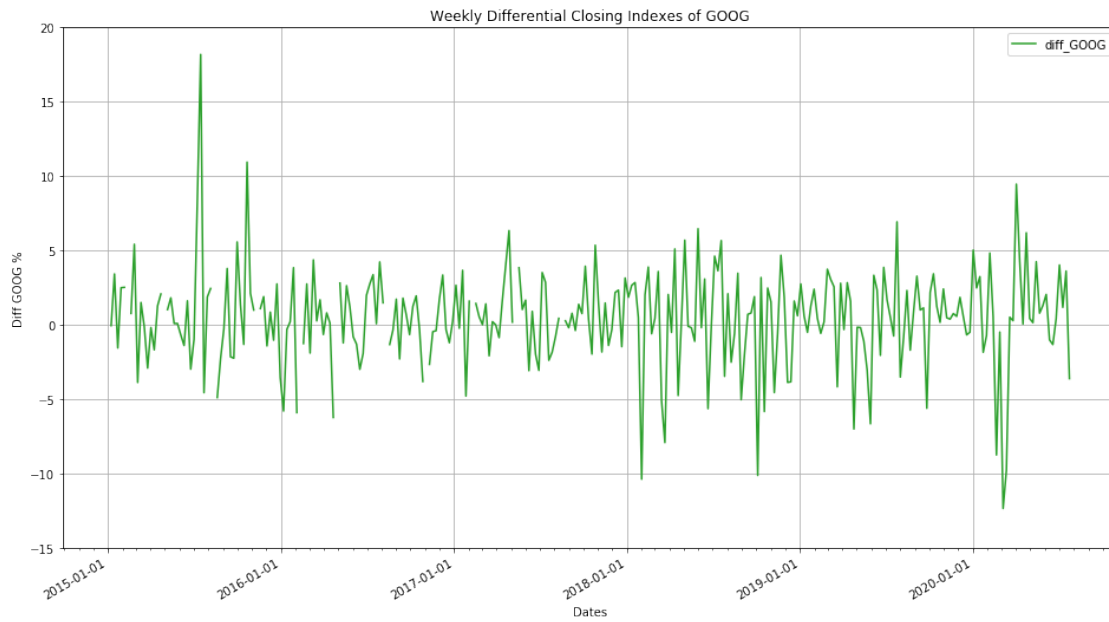
Date	AAPL	diff_AAPL
2018-11-08	182.466843	-11.026420
2020-03-12	246.004074	-10.441855
2020-04-02	265.351715	10.443738



FB	diff_FB
2018-11-08	-11.026420
2020-03-12	-10.441855
2020-04-02	10.443738

Date

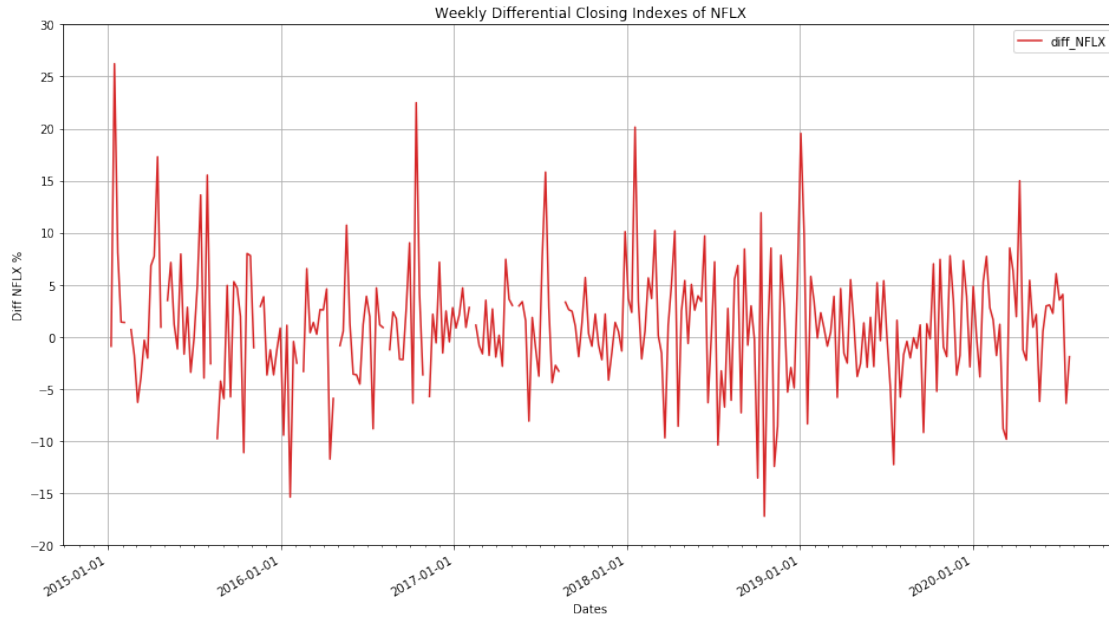
2016-01-28	112.690002	19.311812
2016-02-04	101.000000	-10.373593
2018-04-26	176.070007	10.257377
2018-07-26	171.649994	-21.080463
2019-01-31	170.490005	13.342646
2020-03-05	170.240005	-11.222356
2020-03-12	146.960007	-13.674811
2020-05-14	229.970001	12.125790



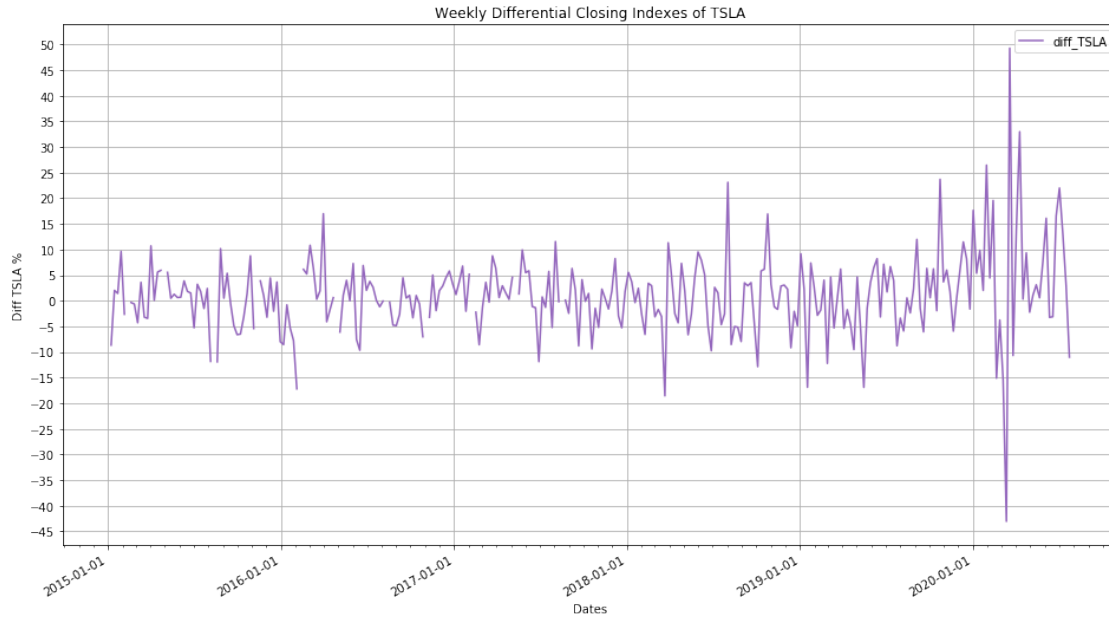
GOOG diff_GOOG

Date

2015-07-16	662.099976	18.185715
2015-10-22	712.950012	10.945990
2018-02-01	1048.579956	-10.373181
2018-10-04	1081.219971	-10.119289
2020-03-05	1215.410034	-12.340968

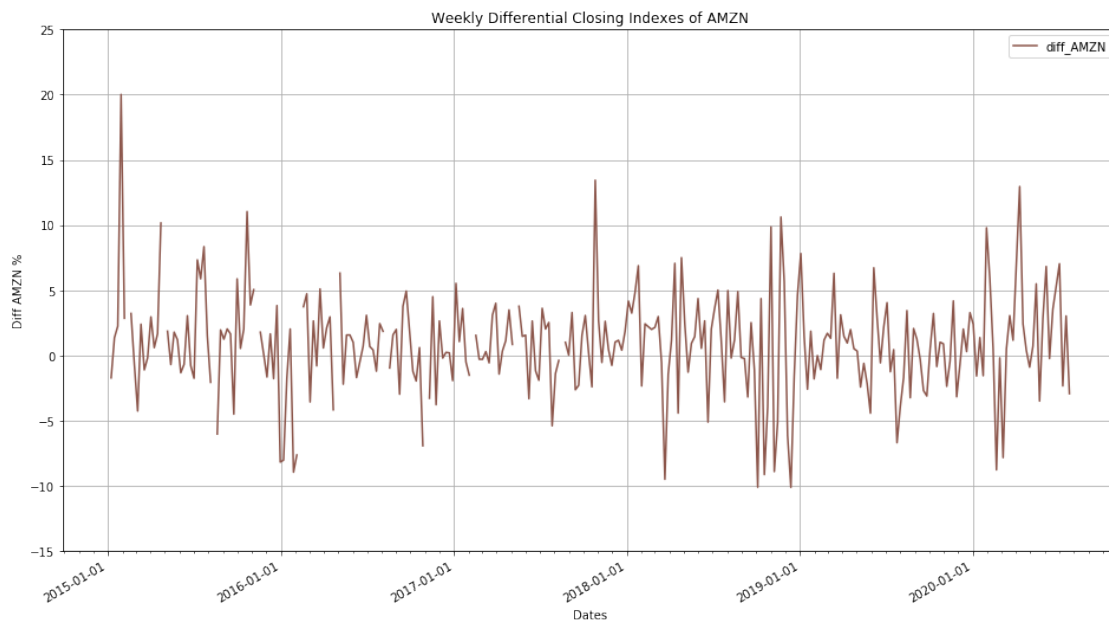


	NFLX	diff_NFLX
Date		
2015-01-15	58.468571	26.227485
2015-04-16	79.668571	17.292724
2015-07-16	111.500000	13.624787
2015-07-30	123.709999	15.530442
2015-10-15	97.959999	-11.131275
2016-01-21	91.150002	-15.398178
2016-04-14	96.769997	-11.746470
2016-05-19	100.199997	10.718229
2016-10-13	121.870003	22.482415
2017-07-13	183.860001	15.817323
2017-12-28	205.050003	10.099870
2018-01-18	261.299988	20.137925
2018-03-01	321.160004	10.220330
2018-04-12	334.519989	10.159046
2018-07-12	375.130005	-10.395316
2018-10-04	325.890015	-13.568486
2018-10-11	364.700012	11.908925
2018-10-18	301.829987	-17.238833
2018-11-08	286.730011	-12.448852
2019-01-03	319.959991	19.539710
2019-07-18	317.940002	-12.277894
2020-04-09	426.750000	14.989762

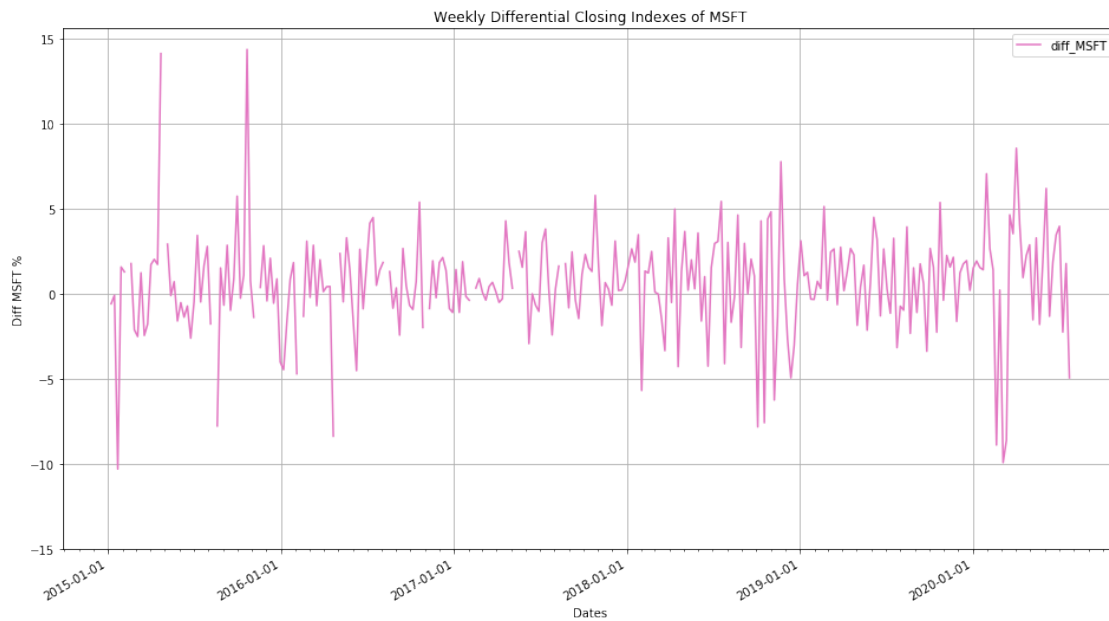


Date	TSLA	diff_TSLA
2015-04-02	207.669998	10.704197
2015-08-06	238.169998	-11.831343
2015-08-20	224.839996	-11.913811
2015-08-27	247.690002	10.162785
2016-02-04	143.669998	-17.183536
2016-03-03	208.720001	10.820859
2016-03-31	265.420013	16.981804
2017-06-29	327.089996	-11.892575
2017-08-03	363.529999	11.549904
2018-03-22	257.779999	-18.560642
2018-03-29	286.940002	11.311973
2018-08-02	370.339996	23.101981
2018-10-04	256.880005	-12.862953
2018-10-25	337.320007	16.922013
2019-01-17	287.589996	-16.893511
2019-02-28	276.239990	-12.232319
2019-05-16	192.729996	-16.908817
2019-09-05	247.100006	11.972093
2019-10-24	315.010010	23.688558
2019-12-12	393.149994	11.468665
2020-01-02	492.140015	17.643973
2020-01-30	734.700012	26.456570
2020-02-13	917.419983	19.566267
2020-02-20	778.799988	-15.109764
2020-03-05	634.229980	-15.379589

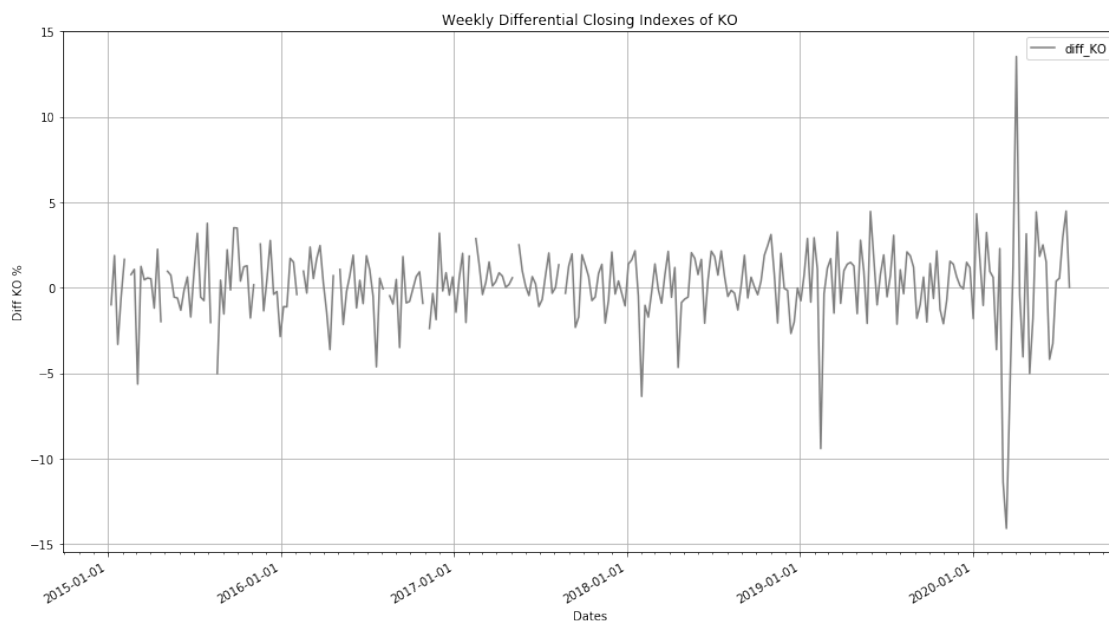
2020-03-12	361.220001	-43.045896
2020-03-19	539.250000	49.285753
2020-03-26	481.559998	-10.698192
2020-04-02	548.840027	13.971266
2020-04-09	729.830017	32.976820
2020-06-04	1025.050049	16.092464
2020-06-25	1119.630005	16.524955
2020-07-02	1365.880005	21.993873
2020-07-09	1546.010010	13.187835
2020-07-23	1417.000000	-11.010906



Date	AMZN	diff_AMZN
2015-01-29	364.750000	20.019083
2015-04-23	429.369995	10.151362
2015-10-22	617.099976	11.035132
2017-10-26	1103.680054	13.441129
2018-10-04	1755.250000	-10.114403
2018-11-22	1677.750000	10.616261
2018-12-13	1495.079956	-10.126602
2020-04-09	2307.679932	12.955454



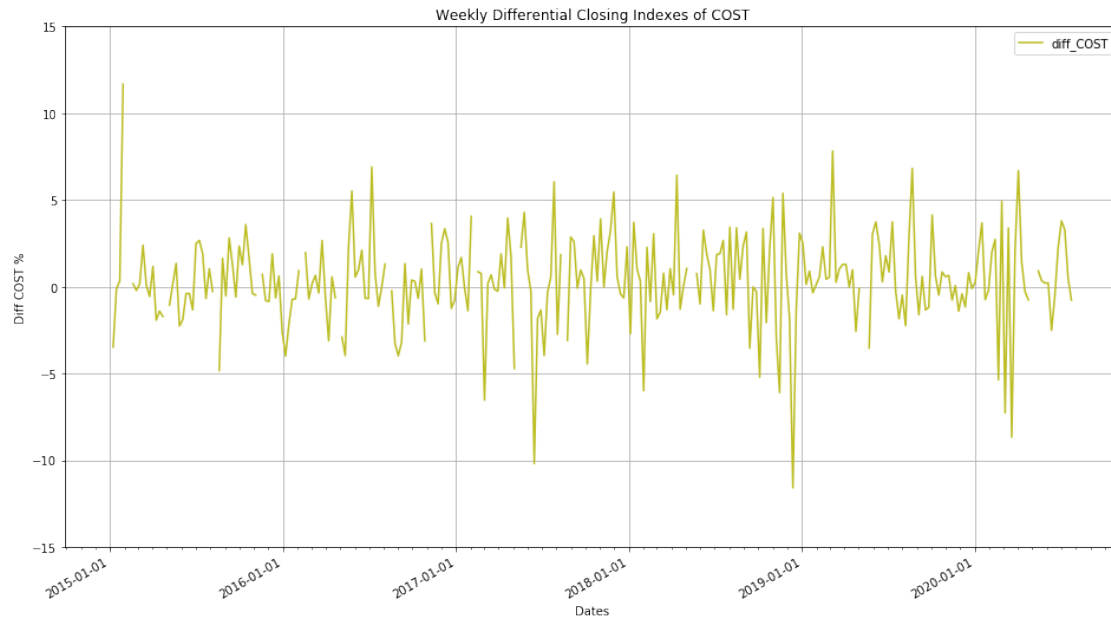
	MSFT	diff_MSFT
Date		
2015-01-22	36.775524	-10.300503
2015-04-23	44.113792	14.119567
2015-10-22	49.175350	14.364394



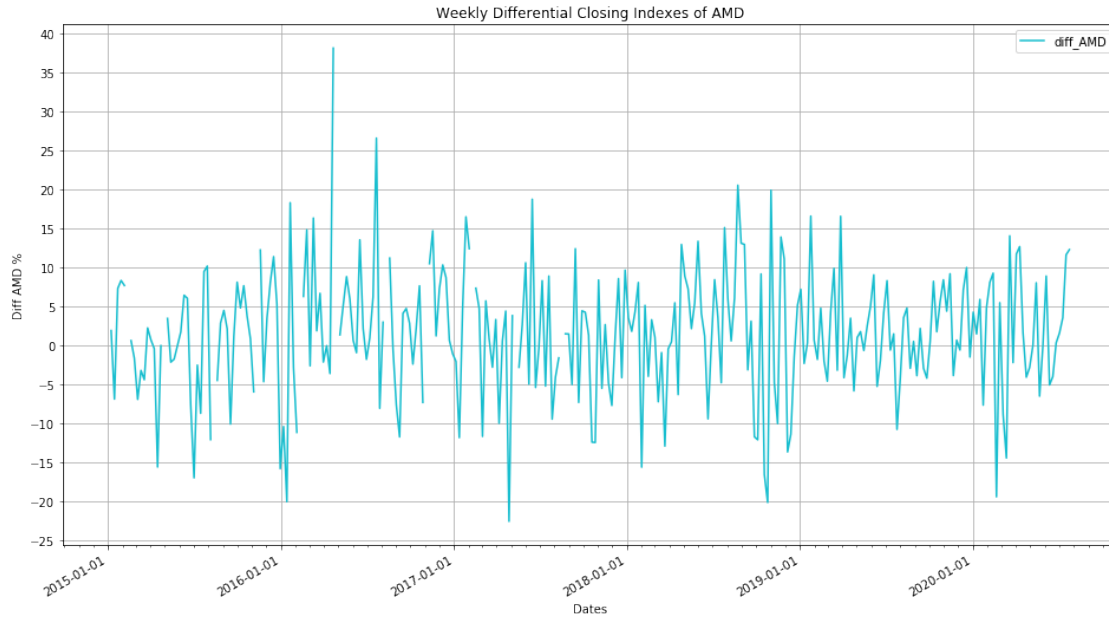
	KO	diff_KO
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Date

2020-03-05	51.290131	-11.388316
2020-03-12	44.059799	-14.096925
2020-04-02	47.389473	13.532772

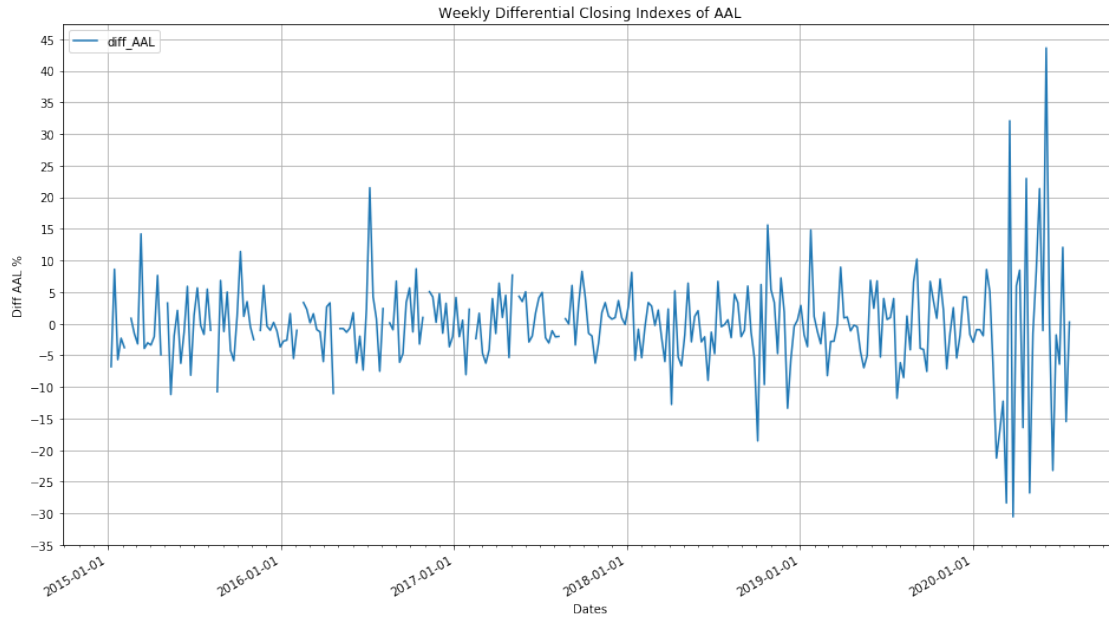


Date	COST	diff_COST
2015-01-29	136.853317	11.674532
2017-06-15	158.208633	-10.194322
2018-12-13	198.577652	-11.584730



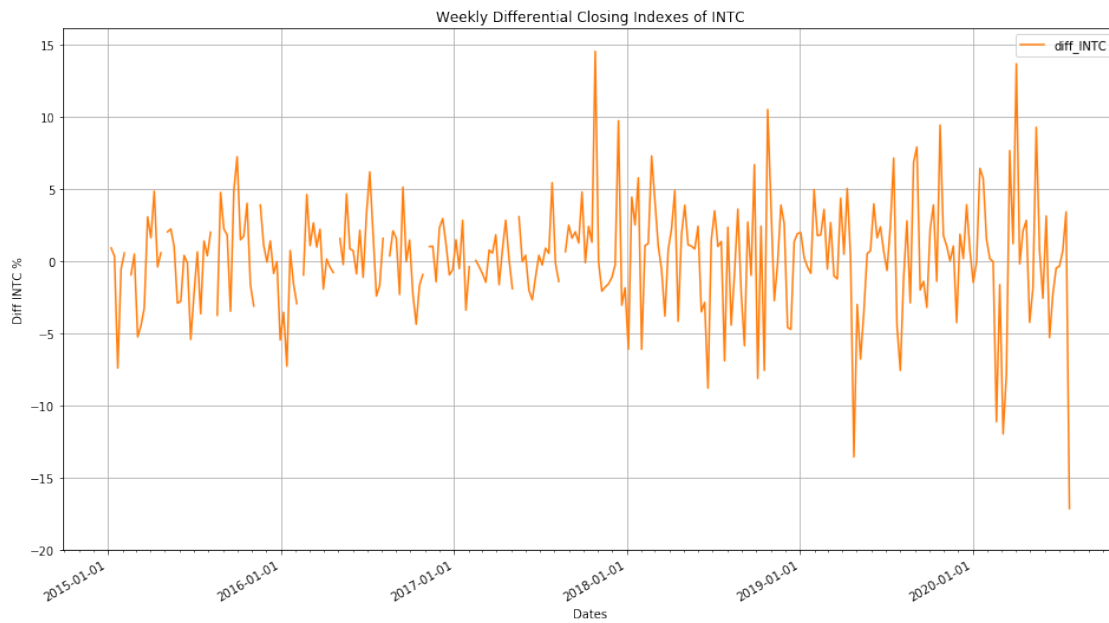
Date	AMD	diff_AMD
2015-04-16	2.280000	-15.555558
2015-07-02	2.010000	-16.942152
2015-07-30	2.160000	10.204084
2015-08-06	1.900000	-12.037042
2015-09-17	1.700000	-10.052907
2015-11-19	2.380000	12.264162
2015-12-17	2.830000	11.417322
2015-12-31	2.510000	-15.771813
2016-01-07	2.250000	-10.358565
2016-01-14	1.800000	-20.000002
2016-01-21	2.130000	18.333343
2016-02-04	1.840000	-11.111107
2016-02-25	2.320000	14.851483
2016-03-10	2.630000	16.371687
2016-04-21	3.730000	38.148146
2016-06-16	5.020000	13.574658
2016-07-21	6.850000	26.617377
2016-08-18	7.430000	11.227545
2016-09-08	6.040000	-11.695909
2016-11-10	7.670000	10.518732
2016-11-17	8.800000	14.732726
2016-12-08	10.550000	10.355646
2017-01-12	9.880000	-11.785712
2017-01-26	12.060000	16.521739
2017-02-02	13.560000	12.437811

2017-03-02	13.220000	-11.631014
2017-04-27	10.390000	-22.520504
2017-06-01	12.380000	10.634500
2017-06-15	13.980000	18.776542
2017-09-14	13.740000	12.438621
2017-10-19	12.330000	-12.366736
2017-10-26	10.800000	-12.408757
2018-02-01	11.600000	-15.574959
2018-03-22	9.810000	-12.877440
2018-04-26	10.970000	12.976315
2018-05-31	15.670000	13.386400
2018-07-26	18.480000	15.140190
2018-08-23	25.200001	20.574169
2018-08-30	28.510000	13.134918
2018-09-06	32.209999	12.977898
2018-09-27	28.430000	-11.680641
2018-10-04	25.000000	-12.064721
2018-10-18	22.790001	-16.520141
2018-10-25	18.209999	-20.096541
2018-11-01	21.840000	19.934109
2018-11-22	21.340000	13.934867
2018-11-29	23.709999	11.105899
2018-12-06	20.480000	-13.622943
2018-12-13	18.160000	-11.328124
2019-01-24	23.090000	16.616167
2019-03-28	29.020000	16.593014
2019-07-25	30.450001	-10.729991
2019-12-19	46.540001	10.023645
2020-02-20	47.490002	-19.371816
2020-03-12	39.119999	-14.398253
2020-03-19	44.630001	14.084873
2020-04-02	48.790001	11.749888
2020-04-09	54.990002	12.707523
2020-07-16	61.790001	11.655224
2020-07-23	69.400002	12.315910



Date	AAL	diff_AAL
2015-03-12	51.392273	14.222393
2015-05-14	40.965961	-11.198215
2015-08-20	37.046940	-10.751201
2015-10-08	41.767197	11.421990
2016-04-21	35.177475	-11.027591
2016-07-07	33.107258	21.516758
2018-04-05	44.334946	-12.759403
2018-10-04	31.021378	-18.530924
2018-10-25	34.426765	15.622948
2018-12-06	33.803402	-13.366963
2019-01-24	35.761734	14.818326
2019-07-25	30.193247	-11.795326
2019-09-05	29.554626	10.222223
2020-02-20	22.309999	-21.249560
2020-02-27	18.530001	-16.943070
2020-03-05	16.260000	-12.250407
2020-03-12	11.650000	-28.351787
2020-03-19	15.390000	32.103012
2020-03-26	10.690000	-30.539316
2020-04-16	10.270000	-16.436123
2020-04-23	12.630000	22.979548
2020-04-30	9.250000	-26.761679
2020-05-21	11.980000	21.377910
2020-06-04	17.020000	43.628691
2020-06-18	13.040000	-23.203767

2020-07-09 13.440000 12.093410
 2020-07-16 11.360000 -15.476190



Date	INTC	diff_INTC
2017-10-26	43.728912	14.541442
2018-10-25	44.976070	10.513916
2019-04-25	49.315586	-13.555855
2020-02-20	59.314945	-11.116075
2020-03-05	51.369823	-11.963195
2020-04-02	58.648708	13.685429
2020-07-23	50.590000	-17.133496

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